# E v o l D i r

November 3, 2026

M o n t h  i n  R e v i e w

## Foreword

This listing is intended to aid researchers in population genetics and evolution. To add your name to the directory listing, to change anything regarding this listing or to complain please send mail to evoldir@evoldir.net.

Listing in this directory is neither limited nor censored and is solely to help scientists reach other members in the same field and to serve as a means of communication. Please do not add to the junk e-mail unless necessary. The nature of the messages should be "bulletin board" in nature, if there is a "discussion" style topic that you would like to post please send it to the USENET discussion groups.

Instructions for the EvolDir are listed at the end of this message.

—— / ——


Foreword ..... 1

Conferences ..... 2

GradStudentPositions ..... 5

Jobs ..... 32

Other ..... 57

PostDocs ..... 62

WorkshopsCourses ..... 77

Instructions ..... 101

Afterword ..... 102

# Conferences

KULeuven BE CfA Life As It Could Be Interdisciplinary Perspectives on Artificial Life 7-8Dec2026 ...2
London UK Hybrid Orchidaceae 25Nov .....3
Nantes France ERA2027 Evolutionary Responses to Anthropogenic 20-21Apr2027 .....4
Online ESEB InternalConflictsSTN Nov5 .....4
Online Young Systematists Forum Nov 13th 2026 ...4
Online Young Systematists Forum Nov 13th 2026 repost .....5

## KULeuven BE CfA Life As It Could Be Interdisciplinary Perspectives on Artificial Life 7-8Dec2026

Call for Abstracts:

"Life As It Could Be: Interdisciplinary Perspectives on Artificial Life"

7-8 December 2026

Mini-Symposium Aula Symbiosis, BioScience Center, KU Leuven, Celestijnenlaan 200R, 3001 Leuven, Belgium https://hiw.kuleuven.be/clps/events/symposium-lifeasitcouldbe/home Deadline: October 23rd 2026

KU Leuven Organizers: Lendert Gelens (Department of Cellular and Molecular Medicine), Bart Smeets (Department of Biosystems), Alejandro Fabregas-Tejeda (Institute of Philosophy), Grant Ramsey (Institute of Philosophy), and Sylvia Wenmackers (Institute of Philosophy)

Invited Speakers Mark Bedau (Reed College), Liedewij Laan (TU Delft), Andrea Loettgers (University of Vienna), Gry Oftedal (University of Oslo), Juli Pereto (University of Valencia), and Ricard Sole (Pompeu Fabra University)

This mini-symposium will provide a forum for discussion of A-Life's objectives, overarching theoretical frameworks, main achievements and shortcomings, and prospects for the coming decades of scientific inquiry into what life is and could be–in silicon, in laboratories, and perhaps beyond Earth.

We welcome contributions from theoretical and empirical researchers–philosophers and scientists alike–interested in fostering interdisciplinary dialogues on the past, present and future of A-Life as a scientific field. We invite submissions of abstracts (max. 500 words) for presentations. Abstracts must include affiliation and contact information. Please send the abstracts to Alejandro Fabregas-Tejeda via email (alejandro.fabregastejeda@kuleuven.be). Deadline: October 23rd 2026. Notifications of acceptance: October 30th 2026.

Some of the themes and topics that we will cover include (but are not restricted to): - What are the objectives of A-Life as an interdisciplinary field? What can the history of A-Life teach us about which questions to carry forward and which to retire? - What does the field of A-Life offer that is unique or of value to the philosophy of science? - What role does the study of self-organization play in research into artificial life? - What distinguishes strong A-Life (genuine instantiation of life) from weak A-Life (simulation and modeling)? How to determine the threshold between them? - When does a simulation or synthetic system constitute evidence of the general properties of life-as-it-could-be? - Which overarching conceptual/theoretical frameworks have proven most fruitful in A-Life investigations, and why? - What are A-Life's genuine successes, and by what criteria should they be judged? - What has A-Life contributed to adjacent disciplines (e.g., cell and developmental biology, evolutionary biology, cognitive science, origins-of-life research, astrobiology, and artificial intelligence) that those fields could not have produced on their own? - Which empirical findings in A-Life defy the soundness of our extant theoretical frameworks, and how can our theories be better tested experimentally?

- What are the main empirical challenges currently facing the field of A-Life? - Whither A-Life research? What trajectories are in store for the field? More information is available on this website: https://hiw.kuleuven.be/clps/events/symposium-lifeasitcouldbe/home (to subscribe/unsubscribe the EvolDir send mail

to evoldir@evoldir.net) evoldir@evoldir.net)

## London UK Hybrid Orchidaceae 25Nov

Hello, We would be very grateful if you could please share the below information with the relevant colleagues, students, societies and networks. Please do let us know if you have any questions. The Linnean Society is running a hybrid one-day meeting on "Orchidaceae: Taxonomy, diversification, and biogeography in the largest angiosperm family" on 25 November 2026, and would like to encourage researchers of all stages to attend, as well as students, growers, collection holders, conservation practitioners and anyone with an interest in orchids.

EVENT DETAILS Date: 25 November 2026 Location: The Linnean Society, Burlington House, Piccadilly, London and Online (Zoom) Time: 09:30 - 18:30 (GMT) ABOUT THE EVENT With nearly 30,000 accepted species worldwide, Orchidaceae is one of the largest and most remarkable families of flowering plants. Orchids occur in an extraordinary diversity of habitats on every continent except Antarctica and display exceptional variation in life form, floral morphology, pollination biology, mycorrhizal associations, reproductive strategies and genomic architecture. This extraordinary diversity makes orchids a powerful system for understanding the processes that generate, structure and maintain biodiversity through time and space. The symposium was conceived as a meeting place for areas of orchid research that too often operate separately. Rather than focusing on a single discipline, we aim to bring together perspectives from taxonomy, phylogenomics, evolution, speciation, biogeography, conservation, pollination biology and orchid-mycorrhizal interactions, alongside the invaluable knowledge and experience held within living collections and by orchid growers and collection owners. Through talks spanning these different perspectives, speakers will showcase recent discoveries and developments at the forefront of orchid science. Just as importantly, the meeting aims to create space for broader discussion: . Where should orchid science go next? . Which questions and approaches should we prioritise? . How can researchers, collections, growers and conservationists work together more effectively? . And how can orchid research become more closely connected with the wider public and with contemporary societal and conservation needs? We therefore hope that this will be more than a series of scientific presentations. Our ambition is to create a forum in which different communities united by orchids can exchange knowledge, identify new connections and collaborations, and collectively consider the future of orchid science. We are eager to encourage attendees at all stages of their career, from researchers to orchid enthusiasts and everything in between. You can book you tickets for in-person or online attendance through our Eventbrite page: Symposium — Orchidaceae — Taxonomy, Diversification, and Biogeography Tickets, Wednesday, November 25 o 9:30 - 18:00 — Eventbrite. https://www.eventbrite.co.uk/e/symposium-orchidaceae-taxonomy-diversification-and-biogeography-tickets-1990954600806?aff=oddtdtcreator Speakers: - Gill and David Mathers (Mathers Foundation) - Richard M. Bateman (Royal Botanic Gardens Kew, UK) - Oscar Alejandro Perez-Escobar (Royal Botanic Gardens Kew, UK) - Joris Bertrand (Universite de Perpignan Via Domitia) - Monika Lipinska (University of Gdansk, Polonia) - Melania Fernandez Campos (Lankester Botanic Garden, Costa Rica) - Arthur Macedo (University of Coimbra, Portugal) - Diego Bogarin Chavez (Lankester Botanic Garden, Costa Rica) - Alexander Damian-Parizaca (University of Wisconsin-Madison) - Roberta Gargiulo (Royal Botanic Gardens Kew, UK) This event is generously supported by the Swiss Orchid Foundation at the Herbarium Jany Renz, Basel, Switzerland, with special thanks to its President, Dr Roland P. Buhlmann, for his continued support of orchid research.

CALL FOR PAPERS The symposium is associated with a forthcoming Special Issue of the Botanical Journal of the Linnean Society, "Orchidaceae: Taxonomy, diversification, and biogeography in the largest angiosperm family." We welcome submissions that span taxonomy and explore patterns and drivers of speciation, macroevolutionary dynamics, historical biogeography, phylogenomics, trait evolution, reproductive biology, ecology, conservation, and other integrative approaches that illuminate the origin and diversification of orchids. Studies combining novel datasets, interdisciplinary frameworks, and emerging analytical tools are particularly encouraged.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Nantes France ERA2027 Evolutionary Responses to Anthropogenic 20-21Apr2027

Dear colleagues, We are pleased to announce the first edition of ERA 2027 - Evolutionary Responses to Anthropogenic Drivers, which will take place on 20-21 April 2027 at IFREMER Nantes, France. ERA 2027 will bring together researchers interested in understanding how human activities reshape evolutionary processes and biodiversity trajectories, across marine and terrestrial ecosystems. The conference will provide an opportunity to discuss recent advances, exchange perspectives across systems and disciplines, and explore the implications of anthropogenic change for the future of biodiversity. The call for abstracts is now open! We welcome contributions for oral and poster presentations. Abstract submission is open until 30 November 2026. A detailed description of the scientific scope of the conference, together with practical information and abstract submission guidelines, is available on the ERA 2027 website: https://era2027.sciencesconf.org Please feel free to circulate this announcement widely within your networks. We look forward to welcoming you to Nantes in April 2027! Best regards, The ERA 2027 Organising Committee

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Online ESEB InternalConflictsSTN Nov5

Dear colleagues,

We would like to invite you to the next online seminar for the "Internal Conflicts and Organismal Adaptation" Special Topic Network (STN) funded by the European Society for Evolutionary Biology, which will take place on November 5th, 13:00 UTC. Our speakers for this seminar are:

Heikki Helantera (University of Oulu): Reproductive conflicts within superorganisms: queen number regulation in Formica ants.

Andrea Betancourt (University of Liverpool): P-elements in Drosophila simulans.

Meeting details: Link: https://georgetown.zoom.us/j/94246550382?jst=2Date: November 5th, 2026 Time: 13:00 UTC (check https://www.timeanddate.com/worldclock/converter.html for conversion)

If you would like to join our mailing list and take part in our upcoming events, please visit our website (https://internalconflictsstn.wordpress.com/) for more information.

Sincerely, The Internal Conflicts and Organismal Adaptation STN Manus Patten, Martijn Schenkel, Arvid Agren, Nina Wedell, and Thomas Hitchcock

– ESEB-funded Special Topic Network "Internal Conflicts and Organismal Adaptation" https://internalconflictsstn.wordpress.com/https://eseb.org/prizes-funding/special-topic-networks/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Young Systematists Forum Nov 13th 2026

Dear all,

We are pleased to announce this year's edition of the Young Systematists' Forum.

This is a free, online conference for students and early career researchers working on any aspect of phylogenetics, taxonomy or systematics.

It is a friendly environment that aims to support young (in experience!) researchers giving some of their earliest international presentations and to encourage them to forge lasting networks.

When: Friday, November 13 9:30-17:30 UTC+0

Where: Online

Abstract submission deadline: Saturday, October 24 23:59 UTC+1

Registration deadline: Wednesday, November 11 11:59 UTC+0

Registration and abstract submission: https://tinyurl.com/bdzxt2ht

We hope you will join us for this event.

The YSF Organising Committee

– Ana Serra Silva Communications Officer for the Systematics Association

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Young Systematists Forum Nov 13th 2026 repost

WHAT: Young Systematists' Forum - online Nov 13th 2026

We have extended abstract submission for this year's edition of the Young Systematists' Forum (https://systass.org/young-systematists-forum/) until Monday, OCT 26 @ 11:59 UTC+0.

This is a FREE, online conference for students and early career researchers working on any aspect of phylogenetics, taxonomy or systematics.

It is a friendly environment that aims to support young (in experience!) researchers giving some of their earliest international presentations and to encourage them to forge lasting networks.

When: Friday, November 13 9:30-17:30 UTC+0

Where: Online

Abstract submission deadline: Monday, October 26 11:59 UTC+0

Registration deadline: Wednesday, November 11 11:59 UTC+0

Registration and abstract submission: https://tinyurl.com/bdzxt2ht

We hope you will join us for this event.

The YSF Organising Committee

– Ana Serra Silva Communications Officer for the Systematics Association

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

# GradStudentPositions

ArizonaStateU Interdisciplinary PhD Managing .... 6
Barcelona Spain PhD position Evolution of microproteins .... 6
Brno Fish EcoEvo .... 7
Cambridge UK PhD evolutionary genomics .... 8
CityUNewYork SpiderEvolution .... 9
Duesseldorf Germany Evolutionary genetics of local adaptation in wild grasses .... 9
EdinburghU UK Adaptation Plant RangeShifts .... 10
Edinburgh U UK MicrobiomeEvolution Museomics 11
Florida State U Evolutionary Genomics .... 12
Florida State U PhD Integrative Biology Evolutionary Neuroethology and Neurogenomics .... 12
IllinoisStateU PhD and MS on Mammalian reproduction .... 13
Kiel Germany PhD C elegans natural ecology and evolution .... 70
MonashU Melbourne Australia AnimalBehaviourEvolutionaryEcology .... 14
NHMLondon UK Graduate Showcase .... 15
OhioStateUniversity PhD phenotypicplasticity .... 15
Ploen Germany 6 PhD opportunities IMPRSEvolutionaryBiology .... 16
Singapore Deep homology of appendages in metazoans 16
Spain PhD Valencia BehavioralEcologyAndEvolution of Lizard Signals .... 16
StAndrewsU UK PhD positions .... 17
Stockholm U Wetland Ecology .... 17
StonyBrookUniversity PhD MicrobiomeTraitGenomicsModelingPermafrost .... 18
Switzerland Eawag 3 PhD opportunities EvolutionaryEcology EvolutionaryGenomics EcosystemScience 18
Tuebingen Germany Dragonfly migration in northern Europe .... 19

TUM Germany-CIP Peru WildPotatoPopulationGenomics ..... 20
UAgder Norway Evolution under Biocontrol ..... 20
UArkansas Graduate positions in Evolutionary Biology 21
UEastAngliaUK HistoricalGenomicsRedSquirrel ... 22
UEastAngliaUK Whole genome sequencing from mosquito blood meals ..... 22
UExeter UK PhD Salmon Disease Resistance Evolution ..... 23
UKentucky PhDTheoryEvolutionEcology ..... 24
ULausanne Switzerland Heat-treated lipids vs cognitive performance Drosophila ..... 24
U Manchester UK PhDposition Evolution of microbial weapon systems ..... 25
UMaryland PhD Paulinella biodiversity and evolution of primary endosymbiosis ..... 25
UMississippi PhD Evolution of SpeciesInteractions 26
UMontpellier France UBalearicIslands Spain PhD opportunity Plant mosquito ..... 27
UNebraska Lincoln PhD Comparative Evolutionary Genomics ..... 27
UppsalaUSweden PhDStudent EvolutionOfIntracellularBacteria ..... 27
USouthCarolina evolution of vision and life history 28
UStAndrews NewMutationFitnessEffects ..... 29
UTennessee Knoxville MS and PhD positions in Ecology and Evolutionary Biology ..... 29
VCU PhD positions Evolutionary Genetics ..... 30
WashingtonStateU Vancouver InsecticideResistanceEvolution ..... 31

## ArizonaStateU Interdisciplinary PhD Managing

Interdisciplinary PhD opportunity in 'Managing Evolving Systems'

The School of Life Sciences invites applications for the Presidential Graduate Assistantship (PGA) program at Arizona State University beginning Fall 2027.

Ever wonder why cancer has been so hard to cure, why mosquitoes are still responsible for killing hundreds of thousands of people every year despite the availability of many different insecticides, or why we have to get re-vaccinated for the flu every fall? These are all evolutionary problems that require an evolutionary approach to solving them.

At ASU, we are recruiting students to help develop evolutionary approaches to these evolving diseases. Applicants with an interest and background in interdisciplinary approaches to managing evolving systems like infectious diseases, cancer, pests, weeds, microbiomes and ecosystems can apply to any of the School of Life Sciences PhD programs.

Applications are due November 15. For more information, go to https://sols.asu.edu/pga (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Barcelona Spain PhD position Evolution of microproteins

PhD contract in Mar Alba's group at Hospital del Mar Research Institute Application period: 1-22 Oct 2026

We have an opening for a PhD fellowship as part of the EU MSCA doctoral network ORFeus (Decoding the Dark Proteome). Information on ORFeus: https://www.orfeus-dn.eu/ Project description: Only a fraction of the genome codes for the proteins in standard reference catalogs. Many small open reading frames (smORFs) are translated into microproteins that those catalogs miss, but which of these recently evolved microproteins actually carry out a biological function remains largely unknown. Evolutionary signatures, such as how strongly a sequence is conserved or constrained across species and within human populations, offer one of the few ways to tell a functional microprotein from a spurious translation product. The PhD student will develop computational models to predict microprotein functionality by integrating ribosome profiling data, phylostratigraphy (evolutionary age estimates), and genetic constraint data from public resources such as gnomAD and UK Biobank. Sequences with signatures of purifying selection will be prioritized for validation studies using CRISPR-Cas9 functional screens in collaboration with other groups in the network. The evolution of microproteins throughout time will also be investigated to discern if they have particular modes of evolution, both regarding sequence and

structure, when compared to standard proteins.

The Research Center The Hospital del Mar Research Institute (HMRIB) is a biomedical research institute in Barcelona, Spain, and part of the CERCA network of Catalan research centers, with research spanning cancer, genomics, evolutionary biology, and computational biology. You will enroll as a PhD candidate at Universitat Pompeu Fabra (UPF), the degree-awarding partner of the Hospital del Mar Research Institute. The research group of Mar Alba is part of the Program in Biomedical Informatics at HMRIB. More information is available at the following websites: albagroup.researchmar.net, grib.upf.edu.

MSCA eligibility You must meet all of the following on your recruitment date: You do not already hold a doctoral degree. If you have defended a doctoral thesis but the degree has not yet been formally awarded, you are not eligible. Mobility rule: you must not have lived or carried out your main activity (work, studies, and so on) in Spain for more than 12 months in the 36 months immediately before your recruitment date. Compulsory national service, short stays such as holidays, and time spent in a procedure to obtain refugee status under the Geneva Convention do not count toward the 12 months. You hold, or will hold before the start date, a degree that formally entitles you to enroll in a doctorate, and you can enroll in the doctoral program at the Hospital del Mar Research Institute / Universitat Pompeu Fabra (UPF). Candidates of any nationality may apply. There is no limit on prior research experience, as long as you do not already hold a doctorate.

Project-specific profile -A master's degree (or equivalent) in bioinformatics, computational biology, genetics or a related quantitative or life-science field. -Strong programming and data-analysis skills (for example Python or R) and an interest in evolutionary genomics and the analysis of large biological datasets. -Desirable: experience with comparative or evolutionary genomics, ribosome profiling or next-generation sequencing data, population genetic variant data (for example gnomAD or UK Biobank), functional screenings, and an interest in microproteins and the dark proteome. -Good written and spoken English. -Motivation for interdisciplinary, collaborative research, and willingness to travel for the secondment and network events.

What we offer A full-time employment contract for 36 months as a salaried researcher, with full social security coverage, under the rules of the Marie Sklodowska-Curie Actions. This is a paid employment contract, not a stipend or scholarship. The salary has a living allowance and a mobility allowance, plus a family allowance if you have family obligations when you are recruited. The indicative gross salary for this position is 2,749.48 euros [per month (plus 509.22 euros mobility allowance, and 473.36 family allowance if eligible). This is what you are paid before income tax and your own social-security contributions are deducted. A secondment of around three months with an ORFeus industry partner (EIRNABIO, Ireland). You will also attend network-wide schools, workshops, and international conferences.

How to apply

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Brno Fish EcoEvo

PhD position: Evolution of Fish Life History Strategies

**Applications until 15 November 2026

Reichard Lab, Institute of Vertebrate Biology, Czech Academy of Sciences , Brno, Czech Republic; www.reichardlab.eu We invite applications for one fully funded PhD position to study the evolution of life- history traits in freshwater fishes. The PhD is expected to start in February 2027, with enrolment at Masaryk University in Brno.

The project Life-history strategies evolve in response to the ecological and evolutionary challenges faced by organisms, but their evolution is also constrained by ancestry and evolutionary history. This project will investigate how these forces shape the remarkable diversity of life-history traits found among freshwater fishes.

The successful candidate will develop a research project within a larger comparative framework, focusing on traits related to reproductive biology, reproductive investment, sexual selection, and adaptation to challenging environmental conditions. The precise research questions and focal traits will be developed together with the selected student, providing considerable scope to pursue their own scientific interests while contributing to the overall aims of the project.

Depending on the student's interests and expertise, the project can develop in one of two complementary directions:

1. Experimental and comparative research Conduct experiments with fishes to generate novel life-history data and integrate these data into comparative and phylogenetic analyses.

2. Phylogenomics and evolutionary diversification Use genomic data to investigate deeper evolutionary relationships and diversification within Nothobranchius, a diverse group of African annual killifishes, and use the phylogeny for broader comparative work.

The two approaches can also be combined where appropriate.

Research environment The student will join the Reichard Lab at the Institute of Vertebrate Biology, Czech Academy of Sciences, an international research group working on fish evolutionary ecology, life-history evolution, reproductive biology and evolutionary diversification. For experimental projects, the student will have access to a well-equipped fish breeding facility, laboratory aquaria and an outdoor mesocosm system, providing opportunities to conduct controlled experiments as well as more ecologically realistic studies. The project will provide training in modern approaches to comparative evolutionary biology, experimental ecology, phylogenetics and/or phylogenomics, depending on the student's chosen direction.

Who are we looking for? Applicants should have an MSc degree in biology, zoology, ecology, evolutionary biology, or a related discipline.

Experience with one or more of the following would be advantageous: * comparative phylogenetics or evolutionary analysis * experimental work with fishes * molecular laboratory techniques * genomics or phylogenomics * statistical modelling or mathematical approaches to evolutionary biology

However, none of these skills is a formal requirement. We are particularly interested in candidates with strong scientific curiosity, motivation to develop their own research ideas, and an interest in evolutionary biology.

Funding No tuition fees will be charged. The PhD will be funded through a combination of a Masaryk University PhD stipend and a part-time salary from the research project. The combined income is expected to be approximately EUR 1,500 net per month, providing a good standard of living in Czechia.

How to apply Please send CV and one-page cover letter explaining your motivation for applying and, if possible, briefly outlining your research interests to reichard@ivb.cz. All applications received by 15 November 2026 will be fully considered. Selected candidates will be invited for an online interview, with a decision expected by 23 November 2026. The formal university application must then be completed by 30 November 2026.

For informal enquiries or further information about the project, please contact Martin Reichard at reichard@ivb.cz.

We particularly welcome applications from students who want to develop their own questions within a broad evolutionary framework and combine comparative analysis with empirical research.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Cambridge UK PhD evolutionary genomics

#### Cambridge PhD in evolutionary genomics ####

The Insect Evolution and Genomics Group at the University of Cambridge is looking to recruit a motivated PhD student with bioinformatics experience to work on the population genomics of rapid parallel adaptation in Brazilian agricultural insect pests. The primary supervisor is Professor Chris Jiggins (PI), and the day-to-day supervisor is Dr Henry North (postdoctoral research fellow).

Project description:

The broad aim of the PhD is to quantify genomic signatures of rapid adaptation across eight noctuid moth species, which all co-occur as pests of soy crops in Brazil. These species belong to the genera Helicoverpa, Spodoptera, Chrysodeixis, Rachiplusia, and Anticarsia. Though all these species are exposed to the same extreme selection pressures (pesticides and climatic variation throughout Brazil), they each have distinct demographic histories and tendencies to hybridize. Thanks to a BBSRC Standard Grant, we are currently generating large time-series whole-genome resequencing datasets of wild-caught samples from all eight species. We are also producing high-quality assemblies for each. Most of the genomic data will be available from the beginning of the PhD, in October 2027. The project is part of a collaboration that also includes Alberto Soares Correa (University of Sao Paulo), Douglas Amado (a

postdoc in our group), and Aylwyn Scally (Cambridge Department of Genetics).

There is plenty of scope to co-design the PhD aims based on the applicant's interests. Some examples of the topics that the student could focus on include:

(1) Applying identity-by-descent-based demographic inference methods to quantify continuous population connectivity for each species (2) Using allele frequency changes to quantify the strength of selection and compare signatures of selection across species (3) Designing a low-cost amplicon panel to rapidly identify noctuid pest species and the pesticide resistance alleles that they carry

In addition to this project, we also have an active grant on pangenomes, structural variation, and speciation in Helicoverpa moths and Heliconius butterflies. The student would be welcome to contribute to this project as well, if interested.

Read about our recent work on two of the eight focal species here: https://doi.org/10.64898/2025.12.25.696198 The project is suitable for a student with interests in evolutionary genetics and substantial experience with bioinformatics and population genetics. If you are interested in applying, please send a copy of your CV to Henry North (hln33 [at] cam.ac.uk) or Chris Jiggins (cj107 [at] cam.ac.uk).

Further information on the PhD programme is available here: https://www.postgraduate.study.cam.ac.uk/courses/directory/blzopdzooApplications can only be completed with permission from the PI, and are due in December. Various competitive funding options are available depending on the nationality of the applicant.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## CityUNewYork SpiderEvolution

The Urban Ecology and Evolution Lab (PI: Monica Mowery) at the City University of New York, York College (https://monicamowery.wordpress.com/) is recruiting a PhD student to investigate adaptation during the invasion process and urban spread in brown widow spiders, Latrodectus geometricus. By integrating genomic, phenotypic, parasitological, and symbiont data from museum and contemporary collections, this research will test fundamental hypotheses about the mechanisms underlying rapid evolutionary change and improve our ability to predict ecological and evolutionary outcomes of biological invasions. The graduate student will have opportunities to engage in national and international collaborations on genomic and evolutionary topics related to the project.

Potential projects include 1) investigating genomic data from museum and contemporary specimens of brown widow spiders, 2) evaluating how endosymbiont occurrence influences host fitness, tolerance to environmental challenges, and coevolution, and 3) predicting future brown widow spider invasion dynamics using modelling approaches. The ideal candidate will have some experience and interest in genomics and bioinformatics. A broad range of academic preparations are welcome in the lab, and qualified applicants with diverse backgrounds will be considered.

Prospective applicants should contact Dr. Mowery directly (mmowery@york.cuny.edu) with a description of their experience, research interests, and a CV. The successful applicant will enroll at the CUNY Graduate Center in the Ecology, Evolutionary Biology, and Behavior subprogram of the Biology PhD program. Applications to the CUNY Graduate Center for the Fall 2027 semester are due January 1st, 2027. More information about the PhD program can be found here: https://www.gc.cuny.edu/biology/subprograms/ecology-evolutionary-biology-and-behavior. Monica Mowery, PhD Assistant Professor Department of Biology PhD Program in Biology York College and the Graduate Center, CUNY

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Duesseldorf Germany Evolutionary genetics of local adaptation in wild grasses

PhD Position: Adaptation to Changing Environments in Grasses - Bridging Ecology and Genetics Heinrich Heine University Dusseldorf, Germany 65Application deadline: 9 November 2026 The Institute for Plant Genetics at Heinrich Heine University Dusseldorf invites applications for a PhD position within the

Collaborative Research Center TRR341 "Plant Ecological Genetics" (https://trr341.uni-koeln.de/), funded by the German Research Foundation (DFG). The project investigates the genetic basis of local adaptation and range expansion in the wild barley relative Hordeum murinum. It is a joint project between the von Korff (https://www.pflanzengenetik.hhu.de/en/) and Bucharova labs (https://www.uni-marburg.de/en/fb17/disciplines/conservation/conservation-biology-group), combining approaches from evolutionary ecology, quantitative genetics, and genomics. The position will be based in the von Korff lab in Dusseldorf. Research tasks: - Conduct common garden experiments to characterize phenotypic variation in H. murinum accessions and F2 populations.

- Perform QTL mapping of phenotypic traits.

- Investigate genetic variation in candidate genes associated with adaptation and compare it with variation in cultivated barley.

- Analyze phenotypic and next-generation sequencing data using statistical and computational approaches.

- Present and publish research findings.

Requirements: - MSc degree in plant biology, evolutionary or population genetics, quantitative genetics, plant breeding, or a related field.

- Interest in quantitative genetic and evolutionary biology methods and concepts.

- Experience with statistical analyses and programming/scripting (e.g., R, Julia, bash) is desirable.

- Good written and spoken English.

We offer an interdisciplinary research environment within TRR341, bringing together researchers from six institutions in Germany, as well as a structured graduate school in Ecological Genetics (GEcoGen) with a comprehensive training program. Applications should include a cover letter, CV, publication list, a short description (approximately half a page) of the applicant's latest research project, contact details of two references, and BSc and MSc certificates. Please send applications as a single PDF file by 9 November 2026 to: Prof. Maria von Korff Schmising Heinrich Heine University Dusseldorf maria.korff.schmising@hhu.de The same email address can be used for questions about the position or project.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## EdinburghU UK Adaptation Plant RangeShifts

Adapting to new environments encountered during range shifts with climate change

Host Institution: University of Edinburgh Supervisors: Nicky Lustenhouwer (University of Edinburgh), Lorna Street (University of Edinburgh), James Buckley (University of Plymouth) Start date: September 2027

Like many species worldwide, plants are shifting their ranges to higher latitudes to track the warming climate. But what happens once they get there? Many other factors than temperature vary with latitude, such as daylength, seasonality, and interactions with other organisms, such as pollinators and natural enemies. To thrive in their new environment, individuals will need to time critical events in their life cycle (their phenology) to match these novel environmental conditions. Some range-shifting plants have shown surprisingly rapid evolutionary changes in phenological traits in response to shorter growing seasons, while others may perform poorly and show little phenotypic plasticity or evolutionary adaptation. These responses may form a missing link in explaining the wide variation in range shifting rates observed across species. In this 4-year PhD project, the student will use field and growth chamber experiments, and comparative analyses to study how plant performance at higher latitudes affects their ability to shift their ranges with climate change.

FUNDING This PhD project is part of the E5 Doctoral Training Partnership. There is a competitive application process for studentships, open to both UK and international students. E5 offers fully funded studentships providing a four-year stipend at the current UKRI rate, tuition fees and research costs.

CONTACT For informal enquiries about the project prior to applying, please contact Nicky Lustenhouwer at nicky.lustenhouwer@ed.ac.uk More information about the host research group can be found at https://nickylustenhouwer.weebly.com/Questions about the E5 application process can be directed to e5dtp.info@ed.ac.uk

HOW TO APPLY Application deadline: 2 December 2026, noon GMT Project details and application form: https://e5-dtp.ed.ac.uk/project?item=1869Information about E5: https://e5-dtp.ed.ac.u

k/applications-for-2027-now-open The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh Dhun Eideann, claraichte an Alba, aireamh claraidh SC005336.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Edinburgh U UK
## MicrobiomeEvolution Museomics

The evolution of host-associated microbiomes through time and space

Funding Status: Funding is in competition with other projects and students through Doctoral Training Programs (NERC E5 and Darwin Trust)

Project Description Host-associated microbiomes are essential for the survival of macroscopic hosts, including mammals. Yet, our understanding of where they come from, how they adapt to living in and on the host, how they move through the host organs, and how they contribute to host's physiological and ecological adaptations is limited. We also have only rudimentary idea about how changes in the environment affect these microbial communities and what consequences changing microbiomes have for the hosts. What we know is primarily uncovered in the gut, a very distinct microbial community that is kept safe from environmental influence through the inhospitable conditions in the stomach. There is very little data on other host-associated microbial communities. This project will use dental calculus, the preserved oral microbiome that forms on the teeth of many mammalian species. It calcifies on the living host, remaining unchanged over hundreds of thousands of years, and can be easily collected from museum and archaeological specimens. It hence allows the study of temporal, ecological and host-specific processes that govern a microbial community. The mouth is exposed to the outside through breathing and food intake, and is also connected to internal respiratory and digestive tracts, providing a testing ground for environmental microorganisms on route to colonising the host.

Key research questions We have collated a shotgun metagenomic dataset of oral (dental calculus) microbiomes for 34 mammalian species, from okapis to sea lions, from hippos to muskox, and there is a possibility to collect additional samples for targeted research questions. Due to the degraded nature of DNA in historical collections, the datasets are effectively ancient DNA. Because the entire field of (temporal) comparative metagenomics is young, there are many questions that can be explored and adapted to the specific interest of the candidate. They span from areas in microbial genome evolution, to host ecological adaptations, to function. Some initial ideas include: - Does the mouth serve as a testing ground for environmental bacteria on route to colonise internal host organs, such as the gut, respiratory tract, etc.? How often do we find transitions from the environment into the host? And what is the order of these transitions - environment-mouth-gut or a different route? What are the genomic changes that enable these transitions and what functions do the newly acquired environmental taxa fulfil in the host? - Does the oral microbiome differ across populations of the same host species and what ecological conditions experienced by the host best explain these differences? Are these differences in microbial communities adaptive for the host? Understanding this would further our knowledge on the contribution of microbiomes to rapid host adaptations, a question that is particularly important in the face of ongoing climate and environmental change. - How does the oral microbiome change with captivity and domestication? So far, this question has only been explored in the gut. However, gut microbiomes rarely preserve through time, whereas dental calculus does. Uncovering the microbial hallmarks of domestication would allow exploring the rich archaeological record that is often struggling with identifying early domesticates. - Our previous work indicated that diet has a strong effect on the composition and function of oral microbial communities. So, do dietary specialists contain a less diverse, more streamlined oral microbiome and is it uniquely adapted to the nutrients that are available to the host? Dietary specialist are often consuming foods rich in secondary compounds that are toxic, so could microbial commensals help the host in utilising novel dietary sources?

We have vast experience dealing with the challenges of historical metagenomic datasets short reads, postmortem damage, contamination. It will also be possible to collect and generate additional data for targeted samples through our extensive collaboration with natural history museums across Europe, the UK, and Australia and to obtain training in ancient DNA molecular lab techniques. However, the bulk of the project is computational, relying on metagenomics analyses, using group-internal and publicly available data. It will be conducted in collaboration with researchers in the UK, Germany and the USA.

Candidate requirements

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Florida State U Evolutionary Genomics

Florida State University Evolutionary Genomics

The Kopania Lab (https://ekopania.github.io/) in the Department of Biological Science at Florida State University is recruiting graduate students to start in Fall 2027. Our lab seeks to understand how selective pressures interact with developmental and functional constraints. We primarily do this by studying two different biological systems: (1) The evolution of the vertebrate retina and (2) The evolution of reproduction in rodents. Our work integrates cutting-edge genomics and transcriptomics techniques with phylogenetic comparative approaches to understand molecular and trait evolution. Our current focus is the evolution of the retina in fishes, and students will have opportunities to develop their own projects in this area.

Interested candidates should email ekopania@fsu.edu with a CV and a brief summary of research interests. The graduate program application deadline is December 1st, but please reach out well before then because I will meet with candidates via zoom before the deadline. I will be taking students through FSU's Ecology and Evolution graduate program (https://www.bio.fsu.edu/ee/), a vibrant and collaborative community with strengths across several areas of ecology and evolution. We also interact with colleagues with expertise in genomics, sensory biology, and fish biology through our department (https://www.bio.fsu.edu/) and the Coastal and Marine Lab (https://marinelab.fsu.edu/). More information about the graduate program is available here: https://www.bio.fsu.edu/grad/eegrad/. If you have questions, please email ekopania@fsu.edu.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Florida State U PhD Integrative Biology Evolutionary Neuroethology and Neurogenomics

PhD positions: Integrative Biology of Speciation_evolutionary neuroethology and neurogenomics

The Lemmon Lab (https://www.elemmonlab.com/) in the Department of Biological Science at Florida State University is recruiting two PhD students to start in Fall 2027. We study how new species form, and how ultimate evolutionary forces and proximate neural mechanisms feed back on one another during the early stages of speciation.

These positions are part of a transdisciplinary project asking how the relationship between auditory neural circuits and mating behaviors facilitates the accumulation of reproductive isolation. The focal system is the Upland chorus frog (Pseudacris feriarum), in which reproductive isolation has evolved among populations as mating behaviors diverged independently multiple times under reinforcement. The program joins field research on natural populations with laboratory experiments. Student projects will center on behavioral experiments, neurogenomics, and computational modeling: characterizing the genetic basis of divergent mating phenotypes in brain regions involved in sound production and processing, and asking how neural and behavioral diversity contributes to speciation. We collaborate with the Rose Lab at the University of Utah on the neurophysiology component of the work. Students can learn these approaches, along with other neurobiology in the lab at FSU, and can cross-train between the two groups. The work spans evolution, behavior, neuroscience, genomics, and computational modeling.

Students are encouraged to develop their own projects within this framework. We welcome applicants interested in evolutionary biology, animal behavior, sensory neuroscience, and/or computational modeling. Experience in one or more of these areas is helpful but not required; training will be provided.

Interested candidates should email chorusfrog@bio.fsu.edu with a CV and a brief cover letter describing previous research experience, future interests, and the kinds of projects you would like to pursue in the lab. I will meet with candidates by Zoom before applications are due. Candidates may

apply through any of three programs to join this integrative research group: FSU's Ecology and Evolution PhD program (https://www.bio.fsu.edu/ee/), the Neuroscience program in the Department of Biological Science (https://neuro.fsu.edu/), or the Department of Scientific Computing to work with Dr. Alan Lemmon (https://www.sc.fsu.edu/). Ecology and Evolution is a collaborative community with strengths in ecology, evolution, behavior, and genomics (https://www.bio.fsu.edu/). The application deadline for Ecology and Evolution and Neuroscience is December 1, 2026. Scientific Computing considers complete Ph.D. applications received by January 15, 2027 for departmental funding and university fellowships. More on the Ecology and Evolution program and how to apply: https://www.bio.fsu.edu/grad/eegrad/.

Graduate support is provided for at least five years through teaching assistantships. Merit-based research assistantships will be offered to students after they demonstrate productivity in the lab. Students are encouraged to apply for independent fellowships (NSF GRFP and others).

Questions: Dr. Emily Moriarty Lemmon, chorusfrog@bio.fsu.edu

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## IllinoisStateU PhD and MS on Mammalian reproduction

MS and PhD openings are available in my research group (Javier delBarco-Trillo's lab: about.illinoisstate.edu/jdelbar) in the School of Biological Sciences at Illinois State University to start in the fall of 2027. My research topics are quite diverse, including sexual selection (sperm competition), olfactory communication, urban ecology/evolution, and animal behavior. Current projects for example are investigating how urbanization affects ultrasonic vocalizations and sperm function. Although I'm happy to supervise projects in various topics and organisms, I'm particularly searching for prospective students interested in projects centered on how sperm physiology is affected by factors such as urbanization and altitude. I'm mostly interested in supporting self-driven, independent, and imaginative students with high proficiency in written and spoken English, and with experience collecting and analyzing data.

If interested, please send (jdelbar@ilstu.edu) a copy of your CV, a copy of your course transcript, and a one-page cover letter explaining your background, any research outcomes to date, your future research interests and expectations, and what type of research projects you would envision developing in my lab. Please include "Graduate Student Application 2027" in the email subject line. After an initial screening of applications, we will set up Zoom meetings in the next few weeks. Preferred candidates will then be encouraged to formally apply to our graduate program, which deadline is February 1, 2027. Please see this website for more information about our graduate program and its admission requirements: https://biology.illinoisstate.edu/academics/graduate/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Kiel Germany PhD C elegans natural ecology and evolution

Kiel, Germany - PhD position - Natural ecology and evolution of C. elegans Application deadline: 4 November 2026. The PhD position is for 3,5 years with a possible extension for another 6 months. It is based in the Schulenburg group (https://evoecogen-kiel.de/). The PhD project aims at understanding how the model nematode C. elegans interacts with other organisms in its natural environment, ranging from the interaction with microbes up to predators and parasites. C. elegans is one of the best studied model organisms in the life sciences, yet there is still very little understanding of its natural ecology, and especially the interaction with other organisms, even though this natural context sets the stage for full appreciation of the nematode's gene functions. Based on the observation of such interactions in nature, the project will then further study selected interaction types in the lab, taking advantage of the tools available for this model organism, thereby allowing us to generate new insights on the evolution as well as the genetic basis of ecologically relevant biotic interactions. The position will be integrated within the graduate school on Translational Evolutionary Research (https://transevo.de/), providing numerous opportunities for exchange with colleagues working on re-

lated topics. Necessary competences and qualifications: (i) Master of Science or equivalent. (ii) Master thesis or equivalent in the field of Evolutionary Biology or Genetics. (iii) Competences and experiences in experimental laboratory work with invertebrate animals. (iv) Competences in statistics. (v) English language skills at level C1. Beneficial competences: Competences and experience in (i) experimental research with the nematode C. elegans, (ii) performance of evolution experiments, (iii) genome sequence data analysis, (iv) advanced statistics, and (v) publication(s) from earlier research work. For enquiries regarding the position and research topic please contact Prof. Dr. Hinrich Schulenburg: hschulenburg@zoologie.uni-kiel.de Applications should be sent by email as a single PDF to Hinrich Schulenburg (hschulenburg@zoologie.uni-kiel.de). Applications should include: (1) A letter of motivation (max. 2 pages, Arial 11, line spacing 1.15). In your motivation letter, please explain how your background fits the required profile and how your research interests align with the group research focus. (2) Curriculum vitae. (3) Master certificate (or current grades transcript in case of ongoing studies).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## MonashU Melbourne Australia AnimalBehaviourEvolutionaryEcology

FULLY FUNDED PHD SCHOLARSHIP

Monash Postgraduate Scholarship in Animal Behaviour and Evolutionary Ecology School of Biological Sciences, Monash University, Melbourne, Australia

The School of Biological Sciences at Monash University is offering a fully funded PhD scholarship to an outstanding student for research in one of the following projects:

- Diversification and conservation of Australia's lizards (Prof. David Chapple): Species diversity, ecology and conservation status of northern Australia's remarkable lizard fauna under climate change, invasives and habitat loss. (Lab: https://www.chapplelab.com)

- Why is genetic variation for fitness so high? (A/Prof. Tim Connallon): Meta-analysis and modelling of why additive genetic variance for fitness is so high, and what it means for adaptation and population viability (no prior modelling experience needed). (Profile: https://www.monash.edu/science/schools/biological-sciences/staff/timc)

- Endosymbiont interactions and evolutionary conflict (Prof. Damian Dowling): How mitochondrial, Wolbachia and nuclear genomes interact to shape host fitness, reproduction and adaptation. (Lab: https://damiandowlinglab.org)

- Physiological basis of response diversity (Dr Giulia Ghedini): How variation and evolution in species physiology propagate through interactions to stabilise ecological communities under global change. (Lab: https://www.giuliaghedini.com)

- Behaviour and the spread of infectious disease (A/Prof. Matthew Hall): Using Drosophila and high-throughput tracking to uncover how infection risk reshapes social behaviour and drives the spread of disease. (Lab: https://mattdhall.com)

- Climate adaptation in the wild (Prof. Anne Peters): Fitness, genomic (5000+ SNP) and multi-generation pedigree data to test the evolutionary potential for climate adaptation in a wild population. (Lab: https://petersresearchgroup.org)

- The evolution of metabolic rate and life history (Prof. Craig White): Meta-analysis and laboratory artificial selection to dissect how physiological and life-history traits evolve together, and how animals evolve to cope with environmental stressors in the Anthropocene. (Lab: https://evolutionaryphysiology.com/members/craig-white/)

- Wildlife behavioural responses to a changing world (Prof. Bob Wong): How multiple anthropogenic stressors (pollution, climate change, invasive species) reshape behaviour and its ecological and evolutionary consequences. (Lab: https://www.bobwonglab.org)

WHAT THE SCHOLARSHIP OFFERS

- Tuition for the complete PhD degree. - Stipend: a tax-free living allowance set at the Monash Graduate Research Scholarship rate (AUD 41,100 per year in 2027). - Overseas Student Health Cover for international students. - Relocation allowance: AUD 1,000 for interstate, AUD 2,000 for overseas. - Conference travel allowance. - Project support: funding to resource the research (fieldwork, consumables, equipment, analysis).

MONASH SCHOOL OF BIOLOGICAL SCIENCES

The School has a large, diverse and supportive group of PhD students from all around the world. We are committed to providing a work place that is productive and enjoyable for everyone, regardless of gender, sex-

ual orientation, disability, physical appearance, body size, race, nationality or religion. The School is one of Australia's largest and most active research communities in behavioural and evolutionary biology, working alongside internationally recognised researchers across terrestrial, freshwater and marine systems.

WHO WE'RE LOOKING FOR

We welcome applications from domestic and international candidates who hold, or expect to complete, an Honours degree or Master's degree (that includes at least 25

HOW TO APPLY

Complete the application form at https://forms.gle/ia9t4KPD3FKTz1bs8 (or email matthew.piper@monash.edu to request the link), supplying all information requested. The form asks you to nominate your project of interest, as well as for information about your academic track record, a short statement describing what interests you and why, together with the names and contacts of two referees. Candidates will be shortlisted by the School Higher Degrees Committee ahead of interview.

Applications close: 15 November 2026.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## NHMLondon UK Graduate Showcase

On November 17 2pm - 5pm, the Natural History Museum, London will be holding a Postgraduate Showcase event to advertise postgraduate research opportunities available at the Museum.

These include not only funded PhDs, but also our numerous post-graduate courses including MSc Taxonomy, Biodiversity and Evolution, MSc Ecology and Data Science and MSc Biodiversity and Global Change.

Attendance is free, but registration is essential via the following Eventbrite page:

https://www.eventbrite.co.uk/e/nhm-postgraduate-showcase-2026-tickets-1837459353389

Financial assistance will be available for travel for students registered at universities in the UK outside the M25. This will be limited to standard travel. If a student wishes to apply for this, they should email postgradoffice@nhm.ac.uk

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## OhioStateUniversity PhD phenotypicplasticity

Title: OhioStateUniversity.PhD.phenotypicplasticity

Description:

I am recruiting a highly-motivated masters or PhD student to work in my lab in the Department of Evolution, Ecology, and Organismal Biology at The Ohio State University (eeob.osu.edu). The prospective student should be excited to work with fishes and possess enthusiasm for laboratory and/or field work, strong communication skills, and attention to detail. Prior research experience in ecology, evolution, behavior, or ichthyology is preferred, but not required. Start date is August 2027. The position is fully-funded through teaching and research assistantships, with stipend, full tuition waiver, and health insurance.

The student will be expected to develop an independent research program that expands or compliments current research in the lab, including the role of developmental and transgenerational plasticity in helping organisms cope with natural and human-induced environmental change. We study marine and freshwater fish (e.g., sticklebacks, mangrove rivulus), with existing field sites in California and Alaska as well as possibly Florida. Interested students are encouraged to view recent publications and visit my website (https://jehellmann45.wixsite.com/home) to get a better idea of current work.

I welcome applicants from under-represented groups in STEM (including first-generation students) to apply. We are committed to creating a welcoming lab environment that promotes equality and inclusion for everyone regardless of race, socioeconomic status, gender, sexual orientation, disability, and other forms of both visible and less visible diversity.

To begin the application process, please send a CV, a brief statement of research interests, an unofficial transcript, and contact information for three references to Dr. Jennifer Hellmann (Hellmann.13@osu.edu). Informal review of candidates will begin immediately. Formal applications to the department are due November 15.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Ploen Germany 6 PhD opportunities IMPRSEvolutionaryBiology

IMPRS EvolBio offers a variety of doctoral positions at the Max Planck Institute for Evolutionary Biology Plon, Germany, starting in September 2027. The program includes a six-month training period followed by a doctoral project of three years. The doctoral researchers are mentored by their principal investigator and an individual thesis advisory committee. Training includes seminars, courses (including soft-skill courses), workshops, an annual retreat, opportunities to attend international meetings and visit collaborating laboratories. The language of the graduate school is English. German language courses for beginners are offered to foreign researchers. All positions are fully funded for three and a half years. Funding beyond this time period may be available through departmental awards or from the supervisor. Further information about our graduate school, program and application details here http://www.evolbio.mpg.de/imprsMotivated, career-minded, and curiosity-driven individuals with a passion for evolutionary biology are welcome to apply now. Applications have to be submitted via our application portal which is open until January 10th, 2027. Contact: Angela Donner Email: imprs@evolbio.mpg.de

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Singapore Deep homology of appendages in metazoans

Looking for a PhD student to join our graduate program at the National University of Singapore to help uncover whether our arms and legs, and those of insects, share the same core gene-regulatory network. The work will be performed in the appendages of butterflies in collaboration with Suriya Murugesan and Tom Carney, working on zebrafish fin development at Nanyang Technical University, also in Singapore. The goal of the project is to try to identify homologous regulatory sequences from shared appendage genes across the two species, and test them for function. If interested, please contact me (antonia.monteiro@nus.edu.sg). Graduate Program application deadline at NUS is 15 Nov 2026 (https://www.dbs.nus.edu.sg/education/graduates/doctor-of-philosophy/) . An interest in evo-devo, especially in deep questions about body plan evolution is essential, as well as some undergraduate training in genetics, evolution, and/or developmental biology. If interested, please read: Murugesan SM and A Monteiro (2022) Evolution of modular and pleiotropic enhancers. Journal of Experimental Zoology Part B 340(2): 105-115 Murugesan SM, H Connahs, Y Matusoka, MD Gupta, M Huq, V Gowri, S. Monroe, KD Deem, T. Werner, Y Tomoyasu and A Monteiro (2022) Butterfly eyespots originated via co-option of an ancestral gene-regulatory network that also patterns antennae, legs, and wings. Proceedings National Academy of Sciences: 119 (8): 8 e2108661119

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Spain PhD Valencia BehavioralEcologyAndEvolution of Lizard Signals

Doctoral thesis opportunity in Behavioral Ecology of Lizards

WHAT: We welcome expressions of interest for a 4-year PhD position to work within the project "Wall lizard social communication: Drivers of intraspecific geographic variation and interactions between visual and chemical signals" (SIGNALVISCHEM, PID2025-168877NB-I00), co-led by Drs. Enrique Font (ICBiBE-UV) and Cristina Romero Diaz (MNCN-CSIC). The overall aim of the project is to assess geographic variation in the design and information content of conspicuous coloration (UV-blue reflecting patches) and complex chemical signals (femoral gland secretions) of wall lizards (Podarcis muralis), and to identify potential biotic and abiotic drivers of this variation. WHERE:The successful candidate will apply for PhD funding (FPU 2026, regional and/or university funded grants) with our support and join the Ethology group at the Cavanilles Institute of Biodiversity and Evolutionary Biology of the University of Valencia (ICBiBE-UV), a team with a long-standing international reputation in lizard behavior and ecology. The thesis will be co-supervised by Cristina Romero Diaz (MNCN) and Guillem Perez i de Lanuza (ICBiBE) and ideally developed at the University of Valencia, although alternative universities in Madrid can be discussed.

Candidate profile: We are looking for a highly motivated researcher with a strong interest in ethology, behavioral ecology, evolutionary biology and/or population genomics, holding a Master's degree in evolutionary biology, ecology, zoology, genetics, genomics, or any related discipline. Ideally, the candidate should also have: -Interest and willingness to carry out fieldwork in mountainous areas across Spain and has no issues handling lizards. -Some previous experience with data analysis and statistics, particularly using R. -Willingness to acquire laboratory skills in analytical chemistry, hormone analysis, or molecular genetics and genomics. -Good analytical and problem-solving skills, the ability to work independently, and a positive attitude towards collaborative work. -Fluency in written and spoken English.

Contact & deadline: Interested candidates should send by email the below documentation, no later than October 20, 2026: -Curriculum Vitae. -Academic transcript (Bachelor's degree/Grado and Masters). -Brief statement of their motivation, research interests, and relevant experience (¡1 page). -A letter of recommendation by a researcher or academic mentor with whom the candidate has previously worked, or their contact details. Applications and requests for further information should be addressed to: Cristina Romero Diaz: cromero@mncn.csic.es Guillem Perez i de Lanuza: guillem.perez-lanuza@uv.es Enrique Font: enrique.font@uv.es

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## StAndrewsU UK PhD positions

Evolutionary Genetics of Rapid Adaptation and Speciation in crickets Two competitive PhD studentships are available at St Andrews working between the laboratories of Nathan Bailey and Mike Ritchie, studying evolutionary genetics, adaptation and speciation in cricket systems. Both are available to UK and non-UK candidates. These are within the EastBio and Iapetus doctoral training programmes. Details and application procedures are in the links below: https://www.findaphd.com/phds/project/eastbio-chemical-communication-and-speciation/?p199308https://iapetus.ac.uk/studentships/genomic-hotspots-of-adaptation-in-wild-insects/Note that we cannot accept applications directly, these need to be submitted via the DTP procedures. Enquiries to Bailey (nwb3@st-andrews.ac.uk) or Ritchie (mgr@st-andrews.ac.uk)

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Stockholm U Wetland Ecology

Phd-Position in Wetland Ecology at Stockholm University. If you are interested in wetland ecology and wetland restoration, this is a good opportunity to work in an interdisciplinary group involving ecologists, hydrologists and biogeochemists. The PhD-project will focus on arthropod ecology, but link their abundances to environmental factors such as water table fluctuations and soil moisture. A major part of the project will be to evaluate large scale restoration projects in a Before-After-Control-Impact design, but other parts will examine specific mechanisms such as soil properties. The work will involve extensive field work, species identifications and GIS-work. For further information

(and for application details) see https://su.varbi.com/en/what:job/jobID:969795/For questions: peter.hamback@su.se

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## StonyBrookUniversity PhD MicrobiomeTraitGenomicsModeling-Permafrost

The Microbial Genomes And Metagenomes to Unravel Traits Lab (mGAMUT Lab; PI: JL Weissman) at Stony Brook University (https://microbialgamut.com/) is recruiting a PhD student to work on an NSF-funded project developing microbial genomic trait prediction and microbiome modeling approaches in permafrost systems (we also have openings trait-based approaches for studying the human microbiome). Students with a strong background in theoretical ecology, population genetics, and/or statistics and mathematics will receive special consideration. We seek students interested in developing new bioinformatics and mathematical modeling approaches (not just an interest in applying bioinformatics tools or developing pipelines). We primarily recruit students through Ecology & Evolution, but can also support students via the Genetics, and potentially even other programs (e.g., AMS). We welcome a broad range of academic backgrounds to the lab, but we specifically look out for rigorous quantitative preparation.

You can read more here: https://www.microbialgamut.com/join.html

*Please note that our lab has a strong no-AI policy for academic writing and we do not expect each other to read AI-generated content (e.g., emails). With this in mind, AI-generated inquiries about this position will not be viewed positively. I would rather you send me a less polished but honest email expressing interest in the lab than a low-effort and/or generic one. The most successful applicants show a real engagement with the work we do and a familiarity with at least some of our published science.

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Switzerland Eawag 3 PhD opportunities EvolutionaryEcology EvolutionaryGenomics EcosystemScience

Eawag, the Swiss Federal Institute of Aquatic Science and Technology, is an internationally networked aquatic research institute within the ETH Domain (Swiss Federal Institutes of Technology). Eawag conducts research, education and expert consulting to achieve the dual goals of meeting direct human needs for water and maintaining the function and integrity of aquatic ecosystems.

The Department of Fish Ecology & Evolution (FishEc) has vacancies for 3 PhD positions in the fields of Evolutionary Ecology, Evolutionary Genomics, and Ecosystem Science

In a recently funded SNF project we propose to combine both comparative and experimental field studies in lakes of Southern Greenland to study how biotic and abiotic sources of natural selection can interactively shape species interactions during community assembly and impact the overall structure and functioning of lake ecosystems. Specifically, we will investigate the evolution of copepod populations in lakes with different abiotic (e.g., glacial vs non-glacial) and biotic (e.g., composition of fish predator communities) ecosystem properties, and the evolution of stickleback when they occur with and without species of Arctic char. We will also use an ongoing whole-lake manipulation to study how sticklebacks evolve following their release from predation by charrs, and how the establishment of these stickleback populations affects the evolution of copepods.

The overall goal of this project is to deepen our understanding about the interplay between (rapid) evolution and community assembly dynamics in lake ecosystems undergoing environmental change. This would involve studying the evolution of both threespine stickleback and diaptomus copepods, and how biotic and abiotic sources of selection affect evolution at different stages of community assembly in sub-arctic lakes.

We are looking for highly motivated candidates with a master's degree in Ecology, Evolutionary Biology, Organismal Biology, or Environmental Science. In this integrative project we are looking for candidates who enjoy working in a collaborative and international envi-

ronment and are interested in integrating and synthesising their work. We are planning three integrative PhD projects:

1. Evolutionary ecology of copepods - This PhD position will focus on the ecology and evolution of copepods studying phenotypic and genetic variation across lakes along a gradient of community assembly. Here we look for candidates with an interest in evolutionary ecology and/or molecular ecology. The project will include field work, lab raising of copepods, phenotyping of copepods, genomic work including molecular lab work and bioinformatics, and potentially evolutionary simulations.

2. Stickleback evolutionary genomics - This PhD position will investigate the adaptive capacity and genetic basis of evolvable traits in stickleback. Here we look for candidates with an interest in population and/or quantitative genetics. This project will include some field work and molecular lab work but will have a large genetic data analysis and bioinformatic component potentially including forward in-time genomic simulations.

3. Ecosystem ecology and evolution of stickleback - This PhD position will explore the causes and consequences of stickleback evolution in lakes of Southern Greenland. Here we look for candidates with an interest in evolutionary ecology and ecosystem sciences. The project will include field work surveying fish and invertebrate communities and quantifying lake ecosystem functioning, as well as lab work rearing and phenotyping stickleback.

The project is carried out by a consortium of researchers at Eawag and the University of Bern (Switzerland), as well as the Technical University of Zvolen (Slovakia) and the University of Edinburgh (UK). The successful candidates will be supervised by Dr Blake Matthews and/or Dr Philine Feulner, enrolled as doctoral students at the University of Bern, and co-supervised by either Prof. Catherine Peichel or Prof. Claudia Bank.

At Eawag, we have a working environment in which people with different experiences, strengths, and perspectives can fully contribute and further develop. Here, you can help us advance! We promote genuine participation, exchange, and mutual understanding. We create structures that enable the compatibility of work and other areas of life, such as care work, and continuously make efforts to reduce barriers.

Do you have specific requirements regarding the application process or the position, or do you need additional information? Talk to us about it – we will be happy to support you with possible flexible workplace, working hours, and job design solutions. For further information please visit our website about Eawag as well as our conditions of employment.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Tuebingen Germany Dragonfly migration in northern Europe

Starting date: 01.03.2027 Duration: years Application submission deadline: 22.11.2026 Payment according to TV-L 13 (https://oeffentlicher-dienst.info/tv-l/allg/) 65

Project: The successful applicant will study temporal and spatial patterns as well as the consequences and drivers of dragonfly migration in northern Europe. The joint project (University of Tubingen, TU Braunschweig) comprises field trips to the Baltic Coast and lab work (stable isotope and genetic analyses) in Germany with the aim to gain a doctoral degree in Geoecology/Biology.

Your profile: We are looking for a dynamic, serious, and motivated researcher with a Master's degree in Geoecology, Biology, Environmental Sciences, Physical Geography, Landscape Ecology or a related discipline. The successful candidate should have a keen interest in movement ecology and ideally have experience with stable isotopes and/or population genetics. Good quantitative skills, a meticulous work attitude in the lab, scientific curiosity, and enthusiasm for research are essential. In addition, the candidate should have good communication skills to work in a highly collaborative and international environment, as well as a very good command of written and spoken English. Knowledge of German is appreciated but is not a requirement.

Our offer: We are two international research groups in Tubingen, a dynamic, and lively university town (www.uni-tuebingen.de) and one of the 15 German Excellence Universities. Our institutes are located in the city centre (Institute of Geography; https://uni-tuebingen.de/en/83645) and at the Morgenstelle (Institute for Ecology and Evolution; https://uni-tuebingen.de/en/109875), and both can be easily reached with public transport or bike. The successful candidate will join the EVEREST research

school. To this end, we promote the scientific independence of the candidate, support the scientific qualification and career planning, and offer networking opportunities within and beyond Tubingen.

Interested? Applicants should send a letter of motivation, a complete curriculum vitae, copies of qualifications as well as names of two references via email to yvonne.oelmann@uni-tuebingen.de. The documents must be submitted as a single pdf. Please contact Prof. Yvonne Oelmann or Dr. Henri Thomassen (henri.thomassen@uni-tuebingen.de) if you have any questions.

It is the policy of the University of Tubingen to increase the percentage of female employees. If equally qualified, preference will be given to female applicants. Individuals with disabilities are strongly encouraged to apply and, having the same occupational aptitude, will be preferred. International candidates are highly encouraged to apply but a willingness to acquire some level of German language skills is recommended to interact with non-scientific staff and facilitate your integration into Tubingen.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## TUM Germany-CIP Peru WildPotatoPopulationGenomics

PhD Scholarship Opportunity - Population Genomics of Wild Potatoes (Germany/Peru) We are seeking a motivated PhD candidate to apply for a three-year scholarship through the Germany-CGIAR++ Science and Impact Hub programme. The proposed research project will investigate the evolutionary and population genomics of wild potato species (Solanum), combining genomic data, population genetic approaches, and computational analyses to understand patterns of genetic diversity and evolution. The broader goal is to contribute to the conservation of wild plant genetic resources and their potential use in developing more resilient crops. The project is a collaboration between the Technical University of Munich (TUM), Germany, and the International Potato Center (CIP), Peru. The successful applicant will be enrolled at TUM and conduct research in both countries, spending a substantial part of the PhD at CIP in Lima. The research will be supervised by Prof. Aurelien Tellier (TUM) and Dr. Sergio Tusso, in collaboration with Dr. Philip Kear (CIP). We are particularly interested in candidates with: - An MSc degree with above-average grades in evolutionary biology, population genetics, genetics, bioinformatics, or a related field. - A strong interest in evolutionary and population genomics. - Good English communication skills and willingness to work in an international research environment. Interested candidates should send a CV, a short motivation letter, MSc degree certificate and transcript, and proof of English proficiency to: Dr. Sergio Tusso tusso@biologie.uni-muenchen.de We are looking to identify a candidate urgently. Please send your documents as soon as possible, ideally by 30 October 2026. The official scholarship application deadline is 30 November 2026. Programme information: https://hub.landscapealliance.org/phd-research-scholarship/applicationPlease feel free to share this opportunity with potentially interested candidates.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UAgder Norway Evolution under Biocontrol

PhD in evolutionary ecology: adaptation to biological control University of Agder, Norway – with extended research stays in Brazil

About the position A full-time, three-year position is available at the University of Agder (UiA) in Kristiansand, Norway, as a PhD Research Fellow in Terrestrial Ecology, with a gross annual salary of NOK 550,800. The project combines evolutionary ecology research in Norway with extended research stays in Brazil, collaboration with academic and industry partners, and opportunities for research visits in Scotland and elsewhere within an international network. The position is affiliated to the Department of Natural Sciences, Faculty of Engineering and Science. The starting date is negotiable with the Faculty.

The project The position is in evolutionary ecology and centres on a fundamental question: how do natural populations respond when humans impose strong and sustained new selection pressures? Evolution depends on the genetic variation already present in populations, yet strong selection can rapidly reshape that variation. Un-

derstanding what variation persists, how populations evolve, and why responses differ among populations is important both for explaining diversity in nature and for predicting the evolutionary consequences of human intervention.

The PhD project will exploit a globally unique opportunity to observe this process unfolding across real agricultural landscapes in the context of crop protection. In parts of Brazil, living biological control agents have been deployed against agricultural pests for decades, creating landscapes in which pest populations have experienced contrasting histories of sustained selection. By combining field sampling with laboratory experiments and statistical modelling to quantify genetic variation in complex traits, the candidate will test whether these contrasting histories have driven the evolution of resistance or other life-history shifts in crop pests, and what determines the magnitude of these responses. The project therefore connects fundamental questions about genetic variation and adaptation with an urgent applied challenge: predicting the evolutionary sustainability of biological control.

More information on the required and desired characteristics, the conditions for work and living at the University of Agder, and on how to apply are at the link below:

Application deadline: 5 November 2026 https://www.jobbnorge.no/en/available-jobs/job/308961/phd-research-fellow-in-terrestrial-ecology For informal enquiries about the project, please contact Dr Luc Bussiere (luc.f.bussiere@uia.no). Applications must be submitted through Jobbnorge.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UArkansas Graduate positions in Evolutionary Biology

Graduate fellowship in evolutionary biology are available for Ph.D. students in the Siepielski Lab in the Department of Biological Sciences and the Ecology, Evolution, and Organismal Biology group at the University of Arkansas. https://asiepielski.wordpress.com Our lab focuses on questions at the intersection of ecology and evolutionary biology. Current projects include: the contribution of evolution in shaping species coexistence, how species evolve in response to multi-species interactions such as competition, predation, and parasitism, and how extreme ecological events drive eco-evolutionary change. To explore these topics, we use a combination of observational, experimental, meta-analytical, and theoretical approaches.

Graduate research fellowships ($32,000 - 42,000, plus health insurance and tuition waiver) are available for highly competitive candidates. Please see https://graduate-students.uark.edu/for additional information on fellowship funding opportunities.

Prospective students should check out our lab website https://asiepielski.wordpress.com for additional information. If interested in considering joining our lab group, please contact me via email (amsiepie@uark.edu). In your email, please include the following: 1) a brief description of your overall research interests, career goals, and why you think our lab would be a good fit for you, and 2) your CV. Ideal candidates will be hard-working, highly motivated, and excited about studying questions at the interface of ecology and evolutionary biology. Please note that the deadline for Fall 2027 admission into our program is January 15, 2027. All materials should be submitted well before then.

The University of Arkansas, Fayetteville, AR, is a Tier I research university located in the beautiful Ozark Mountains. The faculty and graduate students at UARK are highly interactive and include an internationally known group of evolutionary biologists and ecologists. We are located in an ideal setting for field-based projects in aquatic systems (AR has more than 2,300 lakes and thousands of smaller ponds, and equally impressive numbers of rivers, streams and creeks). Fayetteville, located in northwest Arkansas, offers a high quality of living at a low cost, an excellent climate, and is a large enough city to offer diverse activities and amenities. Rock climbing, hiking, kayaking, canoeing, and especially mountain biking (tons of amazing mountain bike trails, and more every year!) opportunities are in close proximity.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UEastAngliaUK HistoricalGenomicsRedSquirrel

A PhD position is available on historical genomics of the red squirrel in Britain. The position will be based at the School of Biological Sciences at the University of East Anglia (UEA) in Norwich, UK, and supervised by Dr. Anders Bergstrom.

- - - Scientific Background - - - The red squirrel in Britain is one of the most iconic examples of a declining population. It has suffered greatly since the introduction of the invasive grey squirrel in the late 1800s, but even before then it was struggling due to hunting and deforestation. However, already since the late 1700s, people have tried to counter the decline by bringing in new red squirrels from continental Europe. How all these past processes have affected the genetic make-up, fitness and ancestry of British squirrels is very poorly understood.

- - - Project Objectives - - - This project will study the rollercoaster history of the red squirrel in Britain using historical DNA, which promises to add a whole new layer of understanding to the histories of species. By tracing the genetics of the red squirrel over the past few hundred years, the project has two goals: 1) To provide general insights into the genetics of population decline and rescue, broadly applicable across organisms. 2) To reconstruct the specific history of the widely cherished red squirrel, to potentially help future efforts to conserve it.

- - - Research Methodology - - - The project will sequence whole genomes from the few surviving British red squirrel populations, and continental reference populations. It will also use historical DNA techniques to sequence genomes from British squirrels in museum collections, to directly analyse how genetic diversity, inbreeding and genetic load has changed over time, and evaluate the effects that the many past translocations actually had on squirrel populations. The project will also address how much native British squirrel ancestry persists today, to test the hypothesis that the many introductions has led to a complete loss of native ancestry and local genetic adaptations ('genetic swamping').

- - - Training - - - The student will receive broad training in molecular biology, historical DNA, genomics, bioinformatics and population genetics. The student will take part in journal clubs and departmental seminars, present their work at conferences, and develop skills in critical thinking and science communication.

- - - Person Specification - - - The ideal candidate will have a background in a biological science (e.g. genetics, molecular biology, zoology, evolution, ancient DNA), and have strong interests in genomics, wet-lab work, data analysis, and evolution. Acceptable first degree subject(s): Biology, molecular biology, genetics, evolutionary biology, biochemistry, zoology, archaeology.

- - - Application - - - Application deadline: 16 December 2026. Start date: 1st October 2027. Fully funded through the ARIES program, open to applicants of all nationalities. For more information, including on how to apply, see: https://aries-dtp.ac.uk/studentships/bergstrom/ For informal inquiries please contact Anders Bergstrom: a.bergstrom@uea.ac.uk https://research-portal.uea.ac.uk/en/persons/anders-bergstr%C3%B6m/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UEastAngliaUK Whole genome sequencing from mosquito blood meals

A PhD position is available in evolutionary genomics, for a research project on the sequencing of whole animal genomes from mosquito blood meals. The position will be based at the School of Biological Sciences at the University of East Anglia (UEA) in Norwich, UK, as part of the 4-year Norwich Research Park doctoral training program, and supervised by Dr. Anders Bergstrom.

Mosquitos can be seen as tiny, autonomous samplers of blood from wild animals. It is well-established that mosquito blood meals contain animal DNA, as well as DNA from animal pathogens. Current environmental DNA (eDNA) techniques are routinely applied to blood meals to survey species presence and absence, but these techniques only make use of a tiny fraction of an organism's genome. This project will go far beyond species detection, and pioneer the sequencing of whole animal genomes from blood meals.

The project will make use of hundreds of collected blood meals with species presences already determined, to

address fundamental biological questions about blood meal DNA, and push forward technologies for recovering genomic information from these samples: - Objective 1. Improve methods to efficiently sequence genomes from blood meals: evaluating and developing protocols for efficient extraction and Illumina sequencing of blood meal DNA, including protocols from the field of ancient DNA. - Objective 2. Uncover the molecular properties of blood meal DNA: characterising the degradation, damage patterns, and epigenetic information in blood meal DNA, including the use of Nanopore sequencing - Objective 3. Use blood meal genomes to survey genetic diversity of animals and pathogens: recovering whole genomes from animals to learn about population structure, genetic relatedness, pathogen transmission dynamics, and more.

The student will receive broad training in molecular biology experiments, genomics technologies, bioinformatics, metagenomics, and population genetics. They will develop both wet-lab and computational genomics skills with wide applicability across the life sciences. The student will take part in journal clubs and departmental seminars, present their work at conferences, and strengthen their abilities in critical thinking and science communication.

The ideal candidate will have a background in biology (e.g. genetics, molecular biology, biochemistry, evolutionary biology, biotechnology) and have strong interests in molecular biology lab work, genomics, evolution and data analysis.

Application deadline: 30th November 2026. Start date: 1st October 2027. Fully funded through the NRPDTP, open to applicants of all nationalities. For more information, including on how to apply, see: https://biodtp.norwichresearchpark.ac.uk/projects/whole-genome-sequencing-from-mosquito-blood-meals-bergstrom_u27dtp/ For informal inquiries please contact Anders Bergstrom: a.bergstrom@uea.ac.uk

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UExeter UK PhD Salmon Disease Resistance Evolution

PhD Project: Deciphering Host/Pathogen Interactions to Improve Disease Resistance in a Changing Climate

Host Institution: University of Exeter - Exeter, UK CASE Partner: Centre for Environment, Fisheries and Aquaculture Science (Cefas) - Weymouth, UK Start date: September 2027

PROJECT OVERVIEW Applications are invited for a PhD project investigating proliferative kidney disease (PKD), one of the most important emerging diseases affecting wild and farmed salmonids, with risks increasing under climate change. This PhD will combine cutting-edge transcriptomic, physiological and histological methods to uncover the cellular and molecular processes that dictate host-pathogen interactions and disease susceptibility. Supported by an interdisciplinary supervisory team from the University of Exeter and Cefas, the student will be immersed in a government-academia collaboration and receive training in bioinformatics, molecular biology and imaging while generating knowledge that could improve fish health, sustainable aquaculture, food security and climate resilience.

For full project description please see: https://bpb-eu-w2.wpmucdn.com/blogs.bristol.ac.uk/dist/f/373/files/2026/10/CASE-Project_3560.pdf Or see: https://www.findaphd.com/phds/project/deciphering-host-pathogen-interactions-to-improve-disease-resistance-in-a-changing-climate/?p200901 This project is offered through the South West Biosciences Doctoral Training Partnership (SWBio DTP). Studentships are awarded through a competitive selection process. For further details please see: https://www.swbio.ac.uk/ HOW TO APPLY Application deadline: 2 December 2026 (12:00 GMT) Application details and eligibility information: https://www.swbio.ac.uk/programme/how-to-apply/ CONTACT For informal enquiries, please contact Dr Sarah Salisbury at: S.Salisbury2@exeter.ac.uk

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UKentucky PhDTheoryEvolutionEcology

The Van Cleve Research Group (http://vancleve.theoretical.bio) in the Department of Biology at the University of Kentucky is currently recruiting Ph.D. students to join the lab in Fall 2027. The lab is generally interested in quantitative and mathematical approaches to evolutionary biology and ecology. Past and current research areas include social evolution and other topics in evolutionary ecology, the evolution of phenotypic plasticity and bet-hedging, how populations cross fitness valleys, and epigenetic processes including genomic imprinting (see here for publications: http://vancleve.theoretical.bio/publications).

Additionally, the lab aims to be broadly interdisciplinary across complex biological systems from the molecular to metapopulation scales and welcomes applicants interested in quantitative approaches and with diverse backgrounds including (but not limited to) mathematics, physics, computer science, and economics.

The exact research project topics for potential students are flexible, though interested individuals should contact Jeremy Van Cleve (jvancleve@uky.edu) with a CV and short statement of interests before applying.

Applicants should apply to the Department of Biology Graduate program (http://bio.as.uky.edu/grad-program). Stipend, tuition, and medical insurance, are covered as part of a teaching assistantship and research assistantships and fellowships are competitively available.

Questions about the Biology Graduate program can be sent to Van Cleve (jvancleve@uky.edu) or the Director of Graduate studies, Jakub Famulski (jakub.famulski@uky.edu).

Please note that applications should be received by December 15th 2026 for full consideration.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## ULausanne Switzerland Heat-treated lipids vs cognitive performance Drosophila

A PhD student position is available in Tadeusz Kawecki's lab at the Department of Ecology and Evolution, University of Lausanne, Switzerland (https://www.unil.ch/fbm/en/home/menuinst/recherche/ssf/dee/recherche/kawecki-lab.html). The lab focuses on understanding short-term adaptive evolution using experimental approaches, with Drosophila as the study system.

We are looking for a candidate for a project on direct and evolutionary consequences of consuming heat-treated lipids for cognitive performance of Drosophila flies. The project is part of a new international research program "Heat-treated dietary lipids: chemistry, physiology, evolution". This program is motivated by the fact that humans are unique in obtaining most of their dietary lipids from food that has been cooked, roasted or fried. This induces extensive modification of lipids, but their consequences for physiology and evolution are unknown. In this framework the candidate will study the consequences of feeding on heat-treated lipids for the performance of fruit flies in complex behavioral/cognitive tasks relying on learning and memory. This includes aversive olfactory learning, identifying a receptive mate or choosing oviposition sites. The project will also use experimental evolution to study the consequences of genetically-based adaptation to heat-treated dietary lipids for cognitive performance and study the associated changes in brain metabolome.

The student will join a doctoral program, which offers graduate courses and workshops, and will be embedded in the overall heat-treated lipids research program and thus expected to participate in the meetings with other researchers involved in it. She or he will also act as a teaching assistant for courses corresponding to your expertise and interest. However, at least 80

The candidates should have a Masters degree in biology (formally required for admission), a strong motivation for experimental research in insect behavior, solid understanding of statistics and experimental design, and aptitude for laboratory research. Some experience with experimental work with Drosophila or other insects or experience / aptitude to work with machine learning tools would be a plus. No-preexisting knowledge of

French is required (research-related discussions, seminars etc. and a part of teaching are in English) but learning basic French would make living in Lausanne more enjoyable.

The PhD student will join a multicultural, diverse and dynamic academic environment, with opportunities for professional training and personal development. The Department of Ecology and Evolution in Lausanne University hosts research groups working on a broad range of topics, producing a rich intellectual and social life. A medium-sized city located on lake Geneva, Lausanne offers a wide cultural offer, while the proximity of the lake and the Alps offer diverse outdoor activities.

Annual gross salary: CHF 61,000, initial contract for 1 year, renewable for a maximum total of 4 years.

Expected starting date: ideally February or March 2027

For legal reasons, applications must be submitted via an online recruitment system ( https://tinyurl.com/5yh7eped ). You will have to first create an account. You can switch the language of the interface to English using a button in the upper right corner.

Applications should include: o A letter containing a description of your research interests, as well as your motivation and fit for this position o Your CV o A summary (ca. 1 page) of your master thesis and other research experience o A copy your of master certificate/diploma (or the expected date of obtaining it) o Names and contact details (email) of 2-3 referees

Deadline: 18 October 2026

For informal inquiries, contact tadeusz.kawecki@unil.ch

UNIL is committed to equal opportunities and diversity. www.unil.ch/egalite UNIL supports early career researchers. www.unil.ch/graduatecampus (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## U Manchester UK PhDposition Evolution of microbial weapon systems

PhD Opportunity: Modelling chemical warfare and its evolution in microbial communities

Host institution: University of Manchester

Advisory team: William P J Smith (william.smith-4@manchester.ac.uk), Tucker Gillman (tucker.gilman@manchester.ac.uk), Kat Coyte (katharine.coyte@manchester.ac.uk)

Overview: Many bacteria use sophisticated weaponry - including small molecule antimicrobials, protein syringes, hole-punching nanomachines and weaponised viruses - to compete with rival microorganisms for space and resources. As well as their roles in shaping microbial communities and infections, these antimicrobials hold immense biotechnological potential for addressing pressing global challenges, including antimicrobial resistance (AMR), biocontrol, and microbiome engineering. But when and why are these aggressive strategies actually favoured in bacteria? Which strains do we expect to be armed to the proverbial hilt?

This PhD project will address this question by developing sophisticated computer models of chemical between bacteria, building on our past work. We will use these models to simulate interactions between unarmed, single- or multi-weapon strategists, and thereby understand the factors that most strongly favour or disfavour large arsenals across a wide range of simulated ecologies.

Overall, this project will accelerate the search for different antimicrobial natural product classes by informing on the ecologies most likely to favour their use.

For details and how to apply, please see: https://www.findaphd.com/phds/project/school-of-natural-sciences-phd-scholarships-modelling-chemical-warfare-and-its-evolution-in-microbial-communities/?p199047 For questions please contact: Will Smith (william.smith-4@manchester.ac.uk).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UMaryland PhD Paulinella biodiversity and evolution of primary endosymbiosis

PhD in Paulinella biodiversity and evolution of primary endosymbiosis University of Maryland, Biology department: Van Etten lab (http://vanettenlab.org)

About the position The Van Etten lab at the University of Maryland, US (Biology dept) is looking to re-

cruit a full-time, five-year PhD student (funded). You should reach out to juliave@umd.edu with the subject heading "VE lab inquiry - Paulinella" if interested to schedule an exploratory meeting. If asked to apply, you will go directly through the UMD BISI program (https://bisi.umd.edu/) which has a deadline of December 1.

About the project For this project, the Van Etten lab is seeking applicants with a strong interest in evolutionary biology, fieldwork, lab culturing, protist diversity, and most importantly-working with Paulinella, a non-model organism. More specifically, this would entail fieldwork to collect new populations, lab work to isolate cells and establish long-term cultures, and computational work in the form of downstream multi-omic analyses of both single-cell isolated and cultured organisms. This project will require a lot of time at the microscope doing single cell isolation, advanced imaging, and culture optimization. Although the direction and goals of this project are already established, there will still be plenty of room to develop your own research questions about the ecology and evolution of this important lineage, devise experiments, investigate the origins and mechanisms of primary endosymbiosis, and gain skills in comparative genomics, phylogenetics, and other types of bioinformatics analyses. Prior experience isolating cells ¡20um, establishing algal cultures, and in microscopy are preferred but not required. We are most interested in finding a motivated student who will put in the time to become proficient in these lab techniques that are challenging with such a small, non-model organism, and to ultimately train others. This PhD project will contribute to the Paulinella Consortium in which our lab and collaborating labs work with hobby naturalists to find and isolate new Paulinella populations across the US. This is a great opportunity to grow your own science communication project/skills and engage the public with your work.

Some background Photosynthetic Paulinella is a clade of rhizarian amoebae that no longer consumes prey and relies on photosynthesis as its main energy source. This is possible because it acquired a photosynthetic organelle, via the process of primary endosymbiosis, from a cyanobacterium. This is how all algae and land plants on earth evolved photosynthesis over a billion years ago, but it's hard to study exactly how that happened because the event is so ancient. Paulinella is the only other known organism on the planet to evolve a photosynthetic organelle from primary endosymbiosis and because it did so *only* 100 million years ago, we can study this process in more detail as the Paulinella chromatophore is in an earlier state of establishment than the canonical plastid. This organism has a low abundance in nature although we hypothesize it has a cosmopolitan distribution. It can therefore be difficult to find and isolate, it grows slowly in the lab, and only six species have been described. There are only two nuclear genomes currently available and a handful of organellar genomes. Our goal is to better characterize the biodiversity of this lineage, establish more cultures in the lab, sequence more genomes (+ do comparative genomics), and provide our isolates to other labs who wish to study other aspects of Paulinella cell biology.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UMississippi PhD Evolution of SpeciesInteractions

The Zee Lab (sites.google.com/view/zee-lab) in the Department of Biology at the University of Mississippi is currently recruiting graduate students to join the lab in Fall 2027. The lab is broadly interested in questions at the interface of evolutionary biology and community ecology. We study these questions with a combination of laboratory experimental ecology/evolution (nematodes and bacteria) and modeling approaches.

We welcome all curious and hard-working applicants with interests in ecology and evolutionary biology. The research project topics for potential students will flexible and developed collaboratively. Interested individuals should send a CV and short statement of research interests prior to application to Peter Zee (zee@olemiss.edu).

Applicants should apply to the Department of Biology Graduate program (olemiss.edu/biology/graduateprograms/). Graduate students in the Department of Biology are typically supported through departmental teaching assistantships (possibility for research assistantships) with a tuition waiver. The deadline for applications is January 15, 2027.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UMontpellier France UBalearicIslands Spain PhD opportunity Plant mosquito

PhD opportunity in Montpellier, France and Balearic Islands, Spain on plant-mosquito-microbe interactions and pathogen transmission The University of Montpellier (France) and the University of the Balearic Islands (Spain) are offering a fully funded, three-year PhD position within the European TERRA-MED programme (https://terra-med.euroregio.eu/). The PhD project will combine field-based ecological investigations with controlled laboratory experiments to explore plant-mosquito-microbe interactions and their implications for pathogen transmission. The doctoral candidate will work with research teams in both countries: the MIVEGEC laboratory (TRIAD research group) in Montpellier, France, and the Applied Zoology and Animal Conservation research group in Palma de Mallorca, Spain. International applicants are welcome! Find more information on the full proposal HERE https://terra-med.euroregio.eu/wp-content/uploads/2026/10/UM3_LEFEVRE_MIVEGEC_PhD-offer.pdf Application period: 15 October - 31 December 2026 Expected start date: September 2027 For full eligibility criteria and application instructions, please visit the TERRA-MED website (https://terra-med.euroregio.eu/). Please feel free to share this opportunity with potential candidates who might be interested.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UNebraska Lincoln PhD Comparative Evolutionary Genomics

The Zhang Lab at the University of Nebraska-Lincoln (School of Biological Sciences & Nebraska Center for Virology) invites applications for a fully funded PhD student position in comparative evolutionary genomics. Our lab investigates the genomic architecture, evolutionary dynamics, and environmental/ecological drivers of major phenotypic and immunological shifts across animal lineages. We are seeking a highly motivated PhD candidate to join two interdisciplinary research projects: 1. Cellular Predation, Motility, and the Cambrian Explosion Investigating how ancient cellular predator-prey dynamics, failed phagocytosis, and stress-induced genomic instability generated the structural and regulatory substrates underlying early metazoan architectural diversification and body-plan evolution (https://www.frontiersin.org/journals/ecology-and-evolution/articles/10.3389/fevo.2025.1736160/full). 2. Evolution of Sexual Reproduction and Genome Architecture Exploring the evolutionary pressures, chromosomal dynamics, and genomic transitions involved in the origination and maintenance of sexual reproduction (https://link.springer.com/article/10.1186/s13062-026-01001-0) Key Qualifications - Bachelor's or Master's degree in Biology, Genomics, Evolutionary Biology, Bioinformatics, Computational Biology, or a related discipline. - Strong interest in evolutionary genomics, phylogenomics, comparative genomics, or the origin of complex metazoan traits. What We Offer - Full Financial Support: Graduate stipend, tuition waiver, and health insurance. - Cutting-Edge Research Environment: Access to state-of-the-art computational resources, high-performance computing clusters, and the vibrant research community of the School of Biological Sciences and the Nebraska Center for Virology. How to Apply Interested candidates should send an email to Dr. Luwen Zhang at lzhang2@unl.edu or lzhang2@nebraska.edu with the subject line "PhD Application - Evolutionary Genomics" including: - A cover letter detailing your research interests, background, and alignment with the lab's work. - A current Curriculum Vitae (CV). - Contact information for 2-3 academic references.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UppsalaUSweden PhDStudent EvolutionOfIntracellularBacteria

A PhD student position in evolutionary microbiology, with focus on the evolution of intracellular bacteria, is available in my lab at Uppsala University, Sweden. The

position is fully funded for four years.

Last day to apply: 29 October 2026 Start: November 2026-March 2027

Apply at: https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=974072

Project description

The ability to feed on other organisms through phagocytosis is a crucial step in the evolution of eukaryotes, a prerequisite for food webs, multicellularity and probably the acquisition of mitochondria. It also paved the way for intracellular parasitism, as some bacteria avoided digestion by their hosts and multiplied in the nutrient-rich cytoplasm. Here, we focus on the Deep-branching Intracellular Gammaproteobacteria (DIG), a large group of related bacteria (e.g. Legionella and Francisella) with a wide variety of host-adaptation strategies. We hypothesize that the last common ancestor of DIG appeared during eukaryogenesis, 2 billion years ago, and was among the first bacteria to infect eukaryotes. In this project, the PhD student will gather a solid set of DIG genomes, including isolates belonging to 30 novel species of Legionella, reconstruct their evolutionary history, assess their metabolic potential, and identify their host-adaptation genes. They will screen genomes for horizontal gene transfers from early eukaryotes or Asgard archaea and specifically analyse the evolution of the Legionella genus. A better understanding of the relationships between the first eukaryotes and their early invaders will shed light on eukaryogenesis, and particularly on the role of phagocytosis.

Qualifications

Required qualifications: - A Master's degree or equivalent (240 ECTS credits) in bioinformatics, molecular biology, microbiology, microbial ecology or a similar field. The degree should be completed, or expected to be completed, before March 2027. - Documented coding skills in Python or R - Experience in using and/or developing methods in metagenomics and molecular evolution - Background understanding of, and interest in, microbial evolution - Proficiency in spoken and written English - Ability to plan, carry out and complete research projects independently - Creativity and good teamwork skills

Desirable qualifications: - Experience of building pipelines for high-performance computing (HPC) clusters - Competence in handling large datasets - Experience with DNA extraction and sequencing library preparation

For further details, please contact Lionel Guy, lionel.guy@imbim.uu.se

Apply at: https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=974072

Last day to apply: 29 October 2026 Start: November 2026-March 2027

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## USouthCarolina evolution of vision and life history

The Dudycha Lab at USC is recruiting graduate students interested in evolutionary biology to start in our Ph.D. or M.S. program in Fall of 2027. I am particularly recruiting students for a newly funded project on the evolution of vision, using Daphnia as a model system. The project incorporates field surveys of eye-size distributions, measuring selection gradients, quantifying visual function, assessing the physiological and fitness costs of eyes, and ecological experiments to tease out mechanisms of selection. It largely grew out of our previous work on selection on eye size (https://onlinelibrary.wiley.com/doi/10.1111/jeb.12711 ) and subsequent unpublished work on sexual dimorphism and costs of eyes in females. I'm also considering students whose interests are more aligned with my lab's historical work on life history evolution, phenotypic plasticity, quantitative genetics & genomics, and functional genetics. Interested students can find more about what we do at my lab website (http://www.atangledbank.org). Our department at the University of South Carolina is a great place for neonate evolutionary biologists to develop. We have twelve active research labs that focus on evolutionary questions in all sorts of organisms, and several of these colleagues (including Brian Hollis, Tim Mousseau, Cathy Hernandez, Sean Ehlman, Jordan Lewis, and Bryan Gitschlag) are also considering applicants this year. We have a robust EEB graduate group, with regularly offered graduate courses in ecology, evolution, experimental design, and data science. Our alumni have good success with post-degree opportunities. Columbia is an affordable place to live, and a diverse community that welcomes everyone. I encourage prospective students to contact me prior to submitting an application. Cheers, Jeff Dudycha

**********

Jeffry L. Dudycha Professor Dept. of Biological Sciences University of South Carolina Columbia, SC 29208 dudycha [at] biol.sc.edu http://www.atangledbank.o

rg
**********

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UStAndrews NewMutationFitnessEffects

EASTBIO The evolutionary fate of new mutations

Deadline: *16th November*

Funding: competition funded project (worldwide)

Funding notes: This 4-year PhD project is part of a competition funded by EASTBIO BBSRC Doctoral Training Partnership. This opportunity is open to UK and International students and provides funding to cover stipend at UKRI standard rate and UK level tuition fees. The University of St Andrews will cover the Home-International fee difference.

Application enquires: pgrecbiology@st-andrews.ac.uk

Project description: Every evolutionary change begins with a new mutation. But what happens to a new mutation once it appears? Does it help an organism survive and reproduce, or does it disappear without leaving a trace? How these new mutations affect evolution remains an open question in evolutionary biology. Some studies suggest that most new mutations have little or no effect on fitness, while others suggest that many are subject to natural selection. The evidence is still mixed, partly because the methods we currently use to measure these effects have important limitations. This project will develop new theory and methods to understand how new mutations affect fitness, and to estimate these effects from evolutionary data. We will use statistical and computational approaches, including Bayesian inference and deep learning, to study the distribution of fitness effects across different types of data, from experimental evolution and natural populations to comparisons among species. We will then ask how this distribution changes across evolutionary timescales and across the Tree of Life. This project is aimed at students who are curious about the fundamental rules of life and who enjoy combining evolutionary biology with mathematical modelling and statistics. A quantitative background is preferred, but students with a strong interest in biology and a willingness to develop their quantitative skills are also encouraged to apply. If you are not sure whether your background is a good fit, please do not hesitate to contact me at rb251@st-andrews.ac.uk.

You can find the group's most recent publications on my personal webpage: https://mrborges23.github.io/mypage/ HOW TO APPLY Application instructions can be found on the EASTBIO website: https://biology.ed.ac.uk/eastbio/how-to-apply1) Download and complete the Equality, Diversity and Inclusion survey. 2) Download and complete the EASTBIO Application Form. 3) Please complete an application on our online portal: https://www.st-andrews.ac.uk/study/postgraduate-research/apply/4) Select the course PhD with internship 5) Your online application must include the following documents: - Completed EASTBIO application form - Academic Qualifications - English Language Qualification (if applicable)

2 References: this must be completed on the EASTBIO Reference Form, also found on the EASTBIO website. Please download the EASTBIO reference form and send it to your referees. They can either upload it directly to the portal using the automated email they will receive, or they can email it to Rachel at pgrecbiology@st-andrews.ac.uk

CONTACT Queries on the project can be directed to the project supervisor Rui Borges (rb251@st-andrews.ac.uk). Queries on the application process can be directed to Rachel Horn at pgrecbiology@st-andrews.ac.uk

UKRI eligibility guidance: Terms and Conditions: https://www.ukri.org/wp-content/uploads/2020/10/UKRI-291020-guidance-to-training-grant-terms-and-conditions.pdfInternational/EU: https://www.ukri.org/wp-content/uploads/2021/03/UKRI-170321-InternationalEligibilityImplementationGuidance.pdf (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UTennessee Knoxville MS and PhD positions in Ecology and Evolutionary Biology

The Department of Ecology and Evolutionary Biology

(EEB) at University of Tennessee, Knoxville (UTK) is accepting applications for admission to our research-based MS and PhD programs starting in fall 2027. Our research spans the many different subdisciplines of EEB including behavior, conservation, ecophysiology, evolution (biological, cultural, and social), ecosystem ecology, global change, and systematics. Admitted graduate students are fully funded (with annual renewal subject to satisfactory performance and progress) through teaching assistantships that cover tuition, fees, and an annual pay of $28,134. A number of our students in past cohorts have also won competitive university-level and college-level fellowships that supplement the teaching assistantship.

The application deadline is Dec 1 2026. We invite interested applicants to explore our website (https://eeb.utk.edu/graduate-students/applying-to-grad-school/) for more information about our graduate programs and application requirements. A list of faculty members who are actively recruiting students for admission and their research interests/exemplar research questions is provided here (https://eeb.utk.edu/exemplar-research-questions/). Candidates need to make direct contact with potential faculty mentors prior to applying.

If you have any questions about the application process, please do not hesitate to contact Dr. Xingli Giam (Chair of Graduate Admissions) at xgiam@utk.edu.

Sincerely, Graduate Admissions Committee Ecology and Evolutionary Biology, UTK

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## VCU PhD positions Evolutionary Genetics

PhD Opportunities in Evolutionary Genetics at VCU

The Evolutionary Genetics (EvoGen) Group at Virginia Commonwealth University (VCU) invites applications from prospective doctoral students interested in evolutionary biology, genetics, genomics, ecology, and computational biology. The EvoGen Group brings together faculty with complementary expertise spanning evolutionary processes from genes to ecosystems and from theoretical modeling to field-based research.

Participating faculty currently include Andrew Eckert, Rodney Dyer, Bret Boyd, Michael Rosenberg, and Brian Verrelli. Students benefit from a collaborative and interdisciplinary environment that encourages interactions across laboratories while supporting the development of independent research programs.

Research Opportunities

The EvoGen Group supports research across a broad range of topics, including:

- Adaptation and evolutionary responses to environmental change - Quantitative genetics and evolutionary ecology - Population genetics, population genomics, and landscape genomics - Spatial ecology, landscape genetics, and phylogeography - Urban ecology and evolution - Biodiversity, conservation genetics, and eco-evolutionary dynamics - Molecular evolution and comparative genomics - Phylogenetics, phylogenomics, and macroevolution - Host-microbe interactions, symbiosis, and coevolution - Evolutionary data science, bioinformatics, and computational biology - Statistical and mathematical approaches to evolutionary questions - Integration of genomic, phenotypic, environmental, and spatial datasets

Research within the group spans diverse study systems, including plants, animals, and microbes, and employs approaches ranging from field studies and experiments to large-scale genomic analyses and computational modeling.

Qualifications

Successful applicants typically possess:

- A bachelor's or master's degree in biology, ecology, evolution, genetics, bioinformatics, computer science, mathematics, statistics, or a related field - Strong quantitative and analytical skills - Experience with programming, data analysis, or computational methods is desirable but not required - Excellent written and verbal communication skills - The ability to work both independently and collaboratively

Students from a broad range of academic backgrounds are encouraged to apply.

Funding

Admitted PhD students receive financial support through research and teaching assistantships. Support includes a competitive stipend and tuition coverage.

Application Information

Prospective students are encouraged to explore the research interests of EvoGen Group faculty and contact potential advisors whose work aligns with their interests. Please include the following when contacting fac-

ulty:

- A brief statement describing your research interests and career goals - A current CV - Contact information for 2-3 references

Interested students should also look through information about the VCU Integrative Life Sciences (ILS) doctoral program available at: https://slss.vcu.edu/graduate/phd-in-integrative-life-sciences/ About the Evolutionary Genetics Group

The EvoGen Group at VCU provides an intellectually vibrant community of researchers studying the origins, maintenance, and consequences of biological diversity. Through collaborative projects, interdisciplinary training, and a strong quantitative foundation, students gain broad exposure to modern evolutionary genetics while developing expertise in their chosen area of research.

The group's research strengths span evolutionary ecology, quantitative genetics, population and landscape genetics, urban evolution, biodiversity science, genomics, phylogenomics, and evolutionary data science. Together, these complementary perspectives provide exceptional opportunities for students seeking interdisciplinary training at the interface of evolutionary biology, genetics, ecology, and computation.

We welcome applications from individuals with diverse backgrounds and experiences who are excited to address fundamental and applied questions in evolutionary genetics.

Potential faculty advisors: Andrew Eckert (aeckert2@vcu.edu), Rodney Dyer (rjdyer@vcu.edu), Bret Boyd (boydbm@vcu.edu), Michael Rosenberg (msrosenberg@vcu.edu), and Brian Verrelli (bverrelli@vcu.edu).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## WashingtonStateU Vancouver InsecticideResistanceEvolution

The Rudman Lab in the School of Biological Sciences at Washington State University Vancouver (https://labs.wsu.edu/rudmanlab/) is recruiting an MS or PhD student to start in Fall 2027 to study the genomic basis of insecticide resistance evolution and its interaction with genome-editing-based population suppression. The lab studies the pace and genomic basis of rapid adaptation using field sampling, experimental evolution, and population genomics in Drosophila (for example https://doi.org/10.1126/science.abj7484).

Insecticide resistance is one of the clearest cases of rapid adaptation in nature, and it is a setting where predicting evolution has direct practical value. The student will study resistance evolution in spotted-wing drosophila (Drosophila suzukii), an invasive pest of berries and cherries in which resistance has evolved in California and is emerging elsewhere on the West Coast. The project is funded by the Northwest Center for Small Fruits Research and carried out in partnership with a biotechnology company developing population control technologies using genome editing.

Genome edited sterile males may provide a unique shift in both selection and population level responses. Releases change population size, mating dynamics, and the balance of resistant and susceptible genotypes, and we do not know how these changes alter the course of resistance evolution. Possible thesis directions include mapping the genetic architecture of resistance in field populations, testing whether resistance alleles carry costs that affect mating success against sterile males, and using population cage experiments with genomic time series to ask whether combining suppression with insecticides slows or reverses resistance. Students will develop a thesis around their own interests within these goals and will work with collaborators in academia, government, and industry.

Qualifications: Strong interest and motivation for biological research. A bachelor's degree in biology or a related field, and prior research experience. Experience with population genetics, bioinformatics, or Drosophila husbandry is helpful but not required.

Funding: Support is provided through a mix of research and teaching assistantships, with additional funds for summer stipends. Assistantships include a tuition waiver and graduate student health insurance. Current WSU stipend rates are listed at https://gradschool.wsu.edu/finance/graduate-assistantships/ To apply: Email seth.rudman@wsu.edu with a short statement of research interests, a CV, and contact information for three references. Review of School of Biological Sciences applications begins January 10, 2027 (https://sbs.wsu.edu/graduate-studies/apply/), so please get in touch by December 1, 2026. GRE scores are not required. Informal inquiries are welcome.

Vancouver, WA is in the Portland, OR metro area, with quick access to the Columbia River Gorge, the Cascades, and the coast. WSU Vancouver sits on 351 acres and is a smaller enrollment campus within the larger

WSU system, giving students strong access to a wide range of academic and extension scientists.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

# Jobs

BinghamtonU SUNY 2 Assoc or Full Professors in stress adaptation ..... 32
CaliforniaAcademySciences TwoAssistantCurators Systematics ..... 33
CaliforniaAcademySciences TwoAssistantCurators Systematics repost ..... 34
Debrecen Post-doctoral Position in Behaviour and Microbial Ecology of Shorebirds ..... 35
Duke AssistantProf CellularMolecularSystems ..... 36
East Carolina U NC USA Tenure-track position ..... 37
Emory Open-rank Tenure-track Ecology ..... 37
Florida State U Laboratory Assistant ..... 38
iCatch Bozeman Montana US Molecular Applications Scientist ..... 38
iCatch Bozeman Montana US Molecular Lab Technician ..... 39
IGFL Lyon France Group Leader in Evolutionary Biology ..... 40
Leipzig Germany Professorship Root-Microbiome Interactions ..... 41
LouisianaStateU Assistant Professor-Behavioral Ecology ..... 42
LouisianaStateU Endowed Chair in Lichenology ..... 42
LouisianaStateU Tenure-track Vertebrate Paleobiologist Curator ..... 43
National Museum Cardiff Head of Zoology ..... 43
NewYork NY US Lecturer in computational biology 44
Ohio State U US Martha N and John C Moser Chair in Arthropod Biosystematics and Biological Diversity 45
Phoenix AZ USA Vice President and Chief Research and Solutions Officer ..... 45
Royal Botanic Gardens Kew Research Leader Mycorrhizas ..... 46
SUNYGeneseo TeachingQuantitativeBiology ..... 47
UAlberta CA Assistant Professor Functional Genomics and Generative Biology for Plant Adaptation ..... 48
UCollege Dublin Ireland Postdoc Opportunities in RNA Directed Evolution ..... 49
U Gothenburg Sweden Assoc Sen Lecturer Botany Vascular plant systematics ..... 49
UMassBoston PlantEcolEvol ..... 50
UMichigan ScientificIllustration GraphicDesign NaturalHistoryCollections ..... 51
UNacional Autonoma Mexico Faculty position Systematic Botany ..... 52
UNC-CH Biology MCDB ..... 53
U NorthTexas Assistant-Associate Professor in microbiome research ..... 53
U Oklahoma LMAMR Research Coordinator Technician ..... 53
UtahStateU AssistantProfessor AvianBiology ..... 54
UWitwatersrand Johannesburg SouthAfrica Director Evolutionary Studies ..... 55
VU Amsterdam AssistantProfessor MolecularEvolution EvolutionaryAdaptation ..... 56

## BinghamtonU SUNY 2 Assoc or Full Professors in stress adaptation

Associate or Full Professors in Cellular and Developmental Biology The Department of Biological Sciences at Binghamton University (SUNY) invites applications for two faculty positions at the rank of Associate or Full Professor in the fields of Cellular and Developmental Biology. We seek innovative investigators who will lead internationally recognized, extramurally funded research programs focused on fundamental biological mechanisms underlying cellular and developmental responses to physiological and pathological stressors. Priority will be given to candidates whose work comple-

ments established research clusters in the department, while intersecting with the biomedical interests of our pre-health focused students. We are particularly interested in researchers examining the molecular drivers of tolerance and resilience to metabolic, environmental, physiological, or infectious stressors. Ideal candidates will leverage cutting-edge genomic, molecular, and genome-engineering technologies in genetically and experimentally tractable eukaryotic systems to uncover fundamental biological processes that enable living systems to withstand severe disturbance and affect health outcomes. Research areas of particular relevance include, but are not limited to, the impacts of stress on:

Mechanistic & Systems Physiology: Cellular signaling, homeostatic adaptation, and stress response pathways. Functional Genomics & Epigenomics: Gene expression networks, chromatin remodeling, and non-coding RNA regulation underlying variation in cell differentiation and tissue and organ development with implications for complex trait development or regenerative medicine Comparative Stress Biology: Uncovering universal cellular and tissue defense programs or discovering unique adaptive mechanism for resilience in the face of extreme conditions Translational Target Discovery from Stress Response Pathways: Fundamental research with direct implications for improving therapeutic, clinical, and agricultural applications.

Successful candidates will be expected to maintain a rigorous, highly productive research program that synergizes with established interdisciplinary research clusters within the department and across the university. As senior hires, successful candidates are expected to contribute to mentorship of junior faculty and be instrumental to future hiring initiatives as the department seeks to grow the tenure-track ranks over the next 5 years. Our department is deeply committed to training the next generation of scientists and clinicians. Thus, major expectations of these positions include training and mentoring PhD students and undergraduate researchers, as well as contributing to the department's teaching mission by instructing courses in their areas of expertise at the undergraduate and graduate levels. The Department of Biological Sciences spans perspectives from molecules to ecosystems, and we seek candidates whose health-aligned research and teaching programs will find an intellectual home within this broad and integrative setting. The building housing Biological Sciences is currently undergoing full renovation and will provide state-of-the-art research facilities to support existing and new faculty. The Department of Biological Sciences is committed to equity and inclusion and is actively working to increase diversity amongst its faculty. Members of groups historically underrepresented in biology and those from non-traditional backgrounds are strongly encouraged to apply. Additionally, evidence of a commitment to advancing equity and inclusion through research, teaching, or service will be valued. Please be advised that H1B visa sponsorship may not be available for this position. All applicants must apply via Interview Exchange: http://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=205770Please submit: Cover Letter, CV, Research Statement, Teaching Statement, Diversity statement, and contact information for three professional references. Review of applications will begin November 30th and continue until the position is filled. About Binghamton University: Binghamton University is a premier public R1 research institution in the State University of New York (SUNY) system that unites more than 130 broadly interdisciplinary educational programs with some of the most vibrant research in the nation. Our unique character - shaped by our mission, outstanding academics, facilities, and community life - promotes extraordinary student success, research, and service; Binghamton University is where our students, faculty and staff thrive.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## CaliforniaAcademySciences TwoAssistantCurators Systematics

Two Endowed Assistant Curator Positions in Collections-Based Systematics California Academy of Sciences – San Francisco, California

The California Academy of Sciences invites applications for two endowed Assistant Curator positions in the Department of Entomology: the Schlinger Chair of Diptera and the Schlinger Chair of Arachnology.

We seek outstanding scientists who will develop ambitious, independent, collections-based research programs and help shape the future of entomology at the Academy. We welcome researchers combining deep taxonomic expertise with contemporary approaches, including genomics, morphology, imaging, informatics, field research, and biodiversity monitoring.

The Academy's entomology collections contain more

than 17 million specimens, including approximately 21,000 primary types, with major strengths in Diptera, Hymenoptera, Coleoptera, and Arachnida. The institution is also making substantial investments in research infrastructure, including Project BEACON, which integrates natural history collections with genomics, imaging, informatics, and biodiversity monitoring.

Schlinger Chair of Diptera: We are particularly interested in candidates developing innovative, collections-based research programs in Diptera. While Diptera is preferred, outstanding systematists working on other insect lineages are strongly encouraged to apply.

Schlinger Chair of Arachnology: This search is open across Arachnida, including spiders, scorpions, mites, and other arachnid lineages. We seek candidates with a compelling vision for research using the Academy's arachnid collections.

Candidates should hold a Ph.D. in a relevant field, have a strong record of original research, and demonstrate experience working with natural history collections. Both positions offer opportunities for research, mentorship, collaboration, and public engagement.

Location: San Francisco, California (onsite) Salary: $130,000 annually for each position Application deadline: November 30, 2026

Position descriptions and applications:

Schlinger Chair of Diptera: https://job-boards.greenhouse.io/californiaacademyofsciences/jobs/5393366008 Schlinger Chair of Arachnology: https://job-boards.greenhouse.io/californiaacademyofsciences/jobs/5394861008 Questions may be directed to Brian Fisher, Chair of the Search Committee, at bfisher@calacademy.org.

Please share this announcement with qualified colleagues and potential applicants.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## CaliforniaAcademySciences TwoAssistantCurators Systematics repost

Two Endowed Assistant Curator Positions in Collections-Based Systematics California Academy of Sciences – San Francisco, California

The California Academy of Sciences invites applications for two endowed Assistant Curator positions in the Department of Entomology: the Schlinger Chair of Diptera and the Schlinger Chair of Arachnology.

We seek outstanding scientists who will develop ambitious, independent, collections-based research programs and help shape the future of entomology at the Academy. We welcome researchers combining deep taxonomic expertise with contemporary approaches, including genomics, morphology, imaging, informatics, field research, and biodiversity monitoring.

The Academy's entomology collections contain more than 17 million specimens, including approximately 21,000 primary types, with major strengths in Diptera, Hymenoptera, Coleoptera, and Arachnida. The institution is also making substantial investments in research infrastructure, including Project BEACON, which integrates natural history collections with genomics, imaging, informatics, and biodiversity monitoring.

Schlinger Chair of Diptera: We are particularly interested in candidates developing innovative, collections-based research programs in Diptera. While Diptera is preferred, outstanding systematists working on other insect lineages are strongly encouraged to apply.

Schlinger Chair of Arachnology: This search is open across Arachnida, including spiders, scorpions, mites, and other arachnid lineages. We seek candidates with a compelling vision for research using the Academy's arachnid collections.

Candidates should hold a Ph.D. in a relevant field, have a strong record of original research, and demonstrate experience working with natural history collections. Both positions offer opportunities for research, mentorship, collaboration, and public engagement.

Location: San Francisco, California (onsite) Salary: $130,000 annually for each position Application deadline: November 30, 2026

Position descriptions and applications:

Schlinger Chair of Diptera: https://job-boards.greenhouse.io/californiaacademyofsciences/jobs/5393366008

Schlinger Chair of Arachnology: https://job-boards.greenhouse.io/californiaacademyofsciences/jobs/5394861008

Questions may be directed to Brian Fisher, Chair of the Search Committee, at bfisher@calacademy.org.

Please share this announcement with qualified colleagues and potential applicants.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Debrecen Post-doctoral Position in Behaviour and Microbial Ecology of Shorebirds

Dear EvolDir subscribers, POST-DOCTORAL POSITION IN BEHAVIOUR AND MICROBIAL ECOLOGY OF SHOREBIRDS

POSITION OVERVIEW. We are seeking a motivated and talented field biologist to join our team. The post-doc will carry out field investigations of breeding and non-breeding shorebirds and combine this with microbial sampling. We seek applicants with strong background in evolutionary biology, animal behaviour or ecology, and willingness to learn microbial ecology. The position is part of a collaborative project "The role of migratory birds in spreading antimicrobial resistance" funded by the Hungarian Research agency (HUN-REN). This is a joint project with Prof Sam Sheppard (Oxford University).

ABOUT US: The position is based at University of Debrecen (Hungary) where our team has approximately dozen PhD students, postdocs and collaborating academics. The post-doc will be mentored by an international team of scientists. We continue to aim high profile publications (see below). Beyond significance in ecology, animal behaviour and evolution, our research has direct implications for biodiversity conservation by preserving species and by working with local communities to protect shorebird habitats. We work globally using an international network of scientists and conservationists, see www.szekelylab.comFURTHER DETAILS. The main task of the post-doc is to carry out field investigations of both breeding and non-breeding shorebirds, use efficient microbiological sampling protocols in the field, carry out data analyses and publish papers. In addition, s/he will advise research of MSc and PhD students and possibly contribute at modest level to postgraduate teaching (all in English). We seek applicants with strong research background in one (or more) of the following fields: behavioural ecology, population ecology, field biology, wildlife conservation, disease ecology and microbiology. Applicants should have a Ph.D. in animal ecology, behavioural ecology, population demography or a related field, and background in quantitative analyses. Good communication and interpersonal skills are essential. Knowledge of programming languages such as R is required, and experience with biostatistics or demography is desirable. Proficiency in English is essential as is research track matching the career stage of the applicant. Field experience, bird ringing licence and full driving licence are essential.

DURATION: The position is available immediately and the contract will be offered until 31 December 2027.

SALARY: The gross salary is up to 1,000,000 HuF per month (approx 2,800 EURO). Living in Hungary is substantially cheaper than in Western Europe, and the salary we offer is equivalent of an assistant professorial salary in Hungary. Social and health insurance contributions are independent of salary and paid by the employer.

ENVIRONMENT: The position is based in Debrecen: a vibrant and liveable city in eastern Hungary with large international student community. Debrecen has good public services, and rental housing and food are affordable. The post-doc will be based at the Department of Evolutionary Zoology. Our research team works closely with Hortobagy National Park - a UNESCO Heritage Site just outside Debrecen.

HOW TO APPLY: Please send i) a cover letter explaining your research interests and suitability for the position, ii) your CV with a list of scientific publications, and iii) contact information of two referees to Ms Rita Nagy nagy.rita@science.unideb.hu Application deadline: 15 November 2026.

Interested applicants should contact Prof Szekely T.Szekely@bath.ac.uk

Selected recent publications by our team: Prof T Szekely (Debrecen/Bath) and Prof Sam Sheppard (Oxford). For our complete track record, please see GoogleScholar and ResearchGate. Amano, T., T. Szekely, ....2018. Successful conservation of global waterbird populations depends on effective governance. Nature 553: 199-202. Kubelka, V...R. Freckleton, T.

Szekely. 2018. Global pattern of nest predation is disrupted by climate change in shorebirds. Science 362: 680-683. McDonald, G. C., ...T. Szekely....2023. Remating opportunities and low costs underlie maternal desertion. Evolution 77: 97-109. Mourkas, E., ....T. Szekely .... & S. K. Sheppard. 2024. Proximity to humans is associated with anti-microbial resistant enteric pathogens in wild bird microbiomes. Current Biology 34: 3955-3965. Szekely, T. 2019. Why study plovers? The significance of non-model organisms in avian ecology, behaviour and evolution. Journal of Ornithology 160: 923-933. Szekely, T..... 2023. The causes and implications of sex role diversity in shorebird breeding systems. Ibis 166: 357-385.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Duke AssistantProf CellularMolecularSystems

The Department of Biology at Duke University in Durham, NC, invites applications for a tenure-track Assistant Professor position in Cellular and Molecular Systems. The initial appointment begins July 1, 2027, and ends June 30, 2031, and is renewable upon successful review in the third year. We seek scholars who investigate the principles governing living systems, including minimal rules underlying synthetic systems, the rules of interactions among molecules, cells, and organisms across environmental conditions, and rules of emergence and complexity in biological networks and circuits. The candidates will combine molecular, biochemical, cellular, biochemical and/or genetic approaches with quantitative and/or computational tools in the study of these systems. Successful candidates will establish an independent, nationally recognized, externally funded research program and contribute to a vibrant and collaborative scientific community at Duke University. The candidates will also integrate research, teaching, mentoring, and service into a unified academic program, engaging students and researchers at all levels in the process of scientific discovery and drawing on their perspectives and creativity to enrich their research.

Duke Biology is the intellectual home for more than 45 faculty members whose research programs span the discipline of Biology (including developmental biology, cell biology, molecular biology, ecology, evolution, organismal biology, and genomics). Many of our biologists take advantage of our department's Research Greenhouses and Phytotron, Duke University core facilities (e.g., microscopy, genomics, proteomics), or conduct research within the 7000-acre Duke Forest Teaching and Research Laboratory or the Duke Marine Lab. More than 100 PhD students work with Biology faculty through the Biology PhD program and multiple interdisciplinary training programs. Our undergraduate major graduates 175 students annually, with more than half of our majors conducting independent research. Learn more about Duke Biology at our website https://biology.duke.edu/. How to Apply: Applicants should hold a Ph.D. degree in biology or one of its subfields. Interested candidates should submit the following required documents: - a cover letter (with contact information); - curriculum vitae - A research statement that includes a description of research accomplishments and plans for future research (3 pages maximum) - Teaching and mentoring statement that includes a description of teaching and mentoring philosophy, previous experiences, and future plans (1-2 pages) - Service and outreach statement that includes a description of approaches, training, and experiences in leading and participating in recruitment programs, research groups, classrooms, mentoring, and service interactions (1 page). - Three letters of recommendation

Applications must be submitted through Academic Jobs Online: Application review will begin on November 02, 2026, but we will continue to accept applications through November 30, 2026.

For additional questions or concerns, please contact Dr. Paul Magwene, Search Committee Chair, biochairs@duke.edu

Duke University is an Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, gender, gender expression, gender identity, genetic information, national origin, ethnicity, race, religion, sex (including pregnancy and pregnancy related conditions), sexual orientation, or military status.

Duke University aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas–an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our com-

munity have a responsibility to uphold these values.

Please note that Duke University specifically seeks information about past misconduct or policy violations (in the past ten (10) years) and/or relevant pending investigations as part of the application process. Disclosures will not be an automatic bar to hiring but, instead, will initiate further dialogue regarding past actions and steps taken to address them. Disclosures will not be shared with search committees during the application review process.

https://academicjobsonline.org/ajo/jobs/32994 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## East Carolina U NC USA Tenure-track position

Dear EvolDir subscribers,

The Department of Biology at East Carolina University is searching for a Tenure-track Assistant Professor in the field of genetics, including population genetics. Please share the announcements with your colleagues.

https://ecu.peopleadmin.com/postings/97999
Thank you very much for your help!

Sincerely, Grace _____ Grace Fu-Chun Chen, Ph.D. (she/her/her) Director of Undergraduate Studies and Teaching Associate Professor Department of Biology East Carolina University

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Emory Open-rank Tenure-track Ecology

The BIOLOGY DEPARTMENT OF EMORY UNIVERSITY in Atlanta, GA (https://biology.emory.edu/) is a broadly based biology department within Emory's College of Arts and Sciences. We seek candidates for a tenure-track position at any rank in the area of ecology. The successful candidate will use empirical approaches to test fundamental ecological theory. We are particularly interested in complementing existing strengths through hiring of a faculty member whose research focuses on population, community, evolutionary, or behavioral ecology, and who can teach both lecture- and field-based ecology courses. Successful applicants will have a PhD, post-doctoral research experience, a record of productivity, and a commitment to evidence-based undergraduate teaching and mentoring. Competitive nine-month salary will be determined based on the quality of application materials and the current salary distribution within the biology department. The Department of Biology is highly collegial and collaborative, and Emory's campus offers a collaborative and well-resourced research environment in a compact footprint. The Emory population biology, ecology and evolution community includes labs across Emory College, the School of Medicine, and the Rollins School of Public Health. The greater Atlanta ecology community - including Georgia Tech, Georgia State University, the Centers for Disease Control and Prevention, and other institutions - provides further research opportunities. Finally, the metro Atlanta area provides opportunities for science outreach and education beyond the university. The successful applicant will train and mentor PhD students through the Population Biology, Ecology & Evolution program (https://biomed.emory.edu/PROGRAM_SITES/PBEE/). The applicant will also contribute to the department's undergraduate teaching mission. Emory University provides many research opportunities for our outstanding undergraduate students, and the candidate will contribute to the undergraduate research mission of the college and department. You can learn more about the history and values of the Emory Biology Department here: https://biology.emory.edu/about/abc/index.html.
Emory is an equal opportunity employer, and qualified applicants will receive consideration for employment

without regard to race, color, religion, sex, national origin, disability, protected veteran status or other characteristics protected by state or federal law.

Applicants should submit: 1) A cover letter summarizing the candidate's goals for research, teaching, and mentorship; 2) A CV; 3) A description of prior research and plan for developing an independent, externally funded research program; 4) A statement of experience and interests in teaching, including how the candidate will contribute to the Biology department's undergraduate teaching program; 5) A statement of experience and interests in mentorship, service, and/or community outreach.

Items 3-5 should not exceed 5 pages in total. Applicants should arrange to have three confidential letters of recommendation submitted to Interfolio on their behalf. All files or inquiries should be submitted electronically at:

https://apply.interfolio.com/191783 Applications received by November 1, 2026, will be given full consideration.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Florida State U Laboratory Assistant

Florida State University Laboratory Assistant Dr. Emily Kopania's laboratory in the Department of Biological Science at Florida State University seeks a full-time laboratory assistant. Our lab seeks to understand how selective pressures interact with developmental and functional constraints. We primarily do this by studying two different biological systems: (1) The evolution of vision in fish and (2) The evolution of reproduction in rodents. Our work integrates cutting-edge genomics and transcriptomics techniques with phylogenetic comparative approaches to understand molecular and trait evolution. For more information on the lab and department, please visit https://ekopania.github.io/ and https://www.bio.fsu.edu/. Responsibilities - The primary duties of this role include, but are not limited to, helping to set up a molecular genomics laboratory and fish husbandry facility, performing molecular laboratory experiments, general lab upkeep and organization, managing a fish (trout) facility, and mentoring and training others in laboratory techniques. Qualifications - B.S. or B.A. degree (or higher) in the life sciences or related field. Exceptions may be made for students with laboratory research experience who are finishing their degrees this year. At least one year of experience in a biology laboratory. Proficiency with Microsoft Suite (Excel, Word, Teams) and Google Docs. A strong interest in evolutionary biology and genomics. Excellent time management, communication, and problem-solving skills. Strong ability to work with a diverse team of students and researchers. Preferred Qualifications - Previous experience with molecular biology laboratory techniques. Previous experience working with animals in research settings, especially fish. Additional information - Competitive salary commensurate with experience. Fringe benefits included. Ideal start date would be in October 2026 but is flexible based on candidate availability. The position is full-time (40 hours/week) and in-person. For more information, please visit the FSU jobs site (https://jobs.omni.fsu.edu/psc/sprdhr_er/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS_CG_SEARCH_FL.GBL?FOCUS=Applicant&Page=HRS_APP_SCHJOB&Action=U&SiteId=1) and search for job ID 63644. How To Apply - Please send your CV, a one-page statement describing your past research experience and interest in the position, and contact information for at least two references to Dr. Emily Kopania (ekopania@fsu.edu). Applications will be reviewed on a rolling basis, and the position will remain open until filled.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## iCatch Bozeman Montana US Molecular Applications Scientist

About iCatch iCatch, Inc. is a new biotechnology company building field-deployable tools to revolutionize fisheries monitoring, enhance seafood traceability, and strengthen supply chain transparency. Learn more about us at https://icatch.app/ The Role We're hiring 1-2 Molecular Applications Scientists to lead the design, optimization, and validation of field-ready molecular diagnostic assays. In this role, you will drive core R&D activities, supervise technical staff, and bridge lab-based assay development with practical field deployment. This position is ideal for recent PhD graduates

to established scientists eager to build commercial diagnostic solutions from the ground up in a fast-paced biotechnology startup. If you are a detail-oriented, self-motivated scientist driven by real-world applications, we encourage you to apply.

What You'll Do - Generate high-throughput genomic sequence datasets based on whole genome sequencing, reduced representation sequencing, and analogous methods. - Implement and manage bioinformatic pipelines to process and analyze complex genetic and genomic datasets. - Design, optimize, and validate field-deployable molecular assays for detecting nucleic acid targets. - Maintain rigorous quality control standards, laboratory notebooks, and field documentation. - Supervise, mentor, and train technical support staff. - Prepare technical data packages, validation reports, and executive summaries for regulatory partners and external review. - Support field testing and pilot deployment during field operations. Required Skills - PhD or Master's degree (the latter only with relevant research and supervisory experience) in molecular biology, genetics/genomics, bioinformatics, biochemistry, fisheries/wildlife science or a closely related field. - Hands-on experience developing and troubleshooting molecular assays (e.g., PCR/qPCR, isothermal amplification techniques, primer/probe design). - Experience with DNA/RNA extraction, NGS library preparation, and high-throughput sequencing workflows (e.g., species barcoding, eDNA, or target capture). - Strong proficiency in bioinformatic pipelines for analyzing complex genomic datasets, with specific expertise in variant discovery, sequence alignment, and target locus identification. - Experience supervising, mentoring, and managing laboratory technicians, research assistants, or junior scientific staff. - Robust organizational skills with a track record of maintaining detailed laboratory records, protocols, and digital workflows. - Adaptable, proactive, and comfortable thriving on a small startup team. - Able to work on-site in Bozeman, MT in a hands-on lab environment. - Eligible to work in the United States.

Preferred Skills - Experience translating lab assays into field-ready formats (e.g., lateral flow, lyophilization). - Experience with seafood, fisheries, or other aquatic species. - Background in forensic-grade testing, regulatory validation, or agency workflows. - Proven track record of drafting high quality scientific manuscripts or technical reports.

Additional Requirements Employment is contingent on: - Must be legally authorized to work in the United States. - Successful completion of a background check. - Successful verification of education credentials and relevant professional experience. - Signing a confidentiality/non-disclosure agreement.

Compensation, Location, & Timeline The initial hire is for one year with additional years possible given satisfactory performance and available funding. Full-time, on-site employment in Bozeman, Montana; remote work options are not feasible. Competitive industry compensation commensurate with experience and generous benefits package. Start date is as soon as possible, but no later than December 1, 2026.

To Apply Submit the following items as a single PDF document to jobs@icatch.app with "Molecular Applications Scientist" in the subject line:

1. CV (up to 6 pages) 2. Cover letter (up to 2 pages) 3. Contact information for 3 professional references Applications will be reviewed immediately. Positions are open until filled, apply as soon as possible for full consideration.

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## iCatch Bozeman Montana US Molecular Lab Technician

About iCatch iCatch, Inc. is a new biotechnology company building field-deployable tools to revolutionize fisheries monitoring, enhance seafood traceability, and strengthen supply chain transparency. Learn more about us at https://icatch.app/ The Role We're hiring a Molecular Lab Technician to provide hands-on support in technical benchtop skills to our science team leads. Molecular Lab Technicians work in a fully equipped molecular lab setting. This position is ideal for recent graduates eager to launch their careers in applied biotechnology, as well as experienced technicians looking to contribute to fisheries technology development. If you are detail-oriented, self-motivated, and excited to help build field-ready diagnostic solutions from the ground up, we encourage you to apply.

What You'll Do - Catalog, process, and prepare tissue samples for DNA/RNA extraction and downstream molecular work. - Execute established molecular protocols including DNA/RNA isolation, PCR/qPCR amplification, library preparation for high-throughput sequencing, assay testing and validation, and lateral flow. - Prepare samples and materials for field sampling and testing. - Work efficiently and independently under the direction of the science team leads. - Maintain rigorous

lab documentation and sample chain-of-custody. - Support lab operations by tracking inventory, maintaining equipment, and ordering supplies. - Assist with general lab organization and safety compliance.

Required Skills - Master's or Bachelor's degree (the latter with relevant coursework and research experience) in biology, molecular biology, genetics/genomics, biochemistry, fisheries/wildlife science, or closely related field. - Hands-on experience with basic molecular biology techniques. - Careful worker who is diligent, organized, and able to work independently. - Exceptional organization skills with expertise in spreadsheet management and structured file management in Google Drive or similar collaborative platforms. - Adaptable, proactive, and comfortable thriving on a small startup team. - Able to work on-site in Bozeman, MT in a hands-on lab environment. - Eligible to work in the United States.

Preferred Skills - Experience in molecular assay development and testing. - Familiarity with bioinformatic and/or quantitative data analyses. - Familiarity with chain-of-custody and forensic protocols. - Experience with lab inventory and LIMS software.

Additional Requirements Employment is contingent on: - Must be legally authorized to work in the United States. - Successful completion of a background check. - Successful verification of education credentials and relevant professional experience. - Signing a confidentiality/non-disclosure agreement.

Compensation, Location, & Timeline The initial hire is for one year with additional years possible given satisfactory performance and available funding. Full-time, on-site employment in Bozeman, Montana; remote work options are not feasible. Competitive industry compensation commensurate with experience and generous benefits package. Start date is as soon as possible, but no later than December 1, 2026.

To Apply Submit the following items as a single PDF document to jobs@icatch.app with "Lab Technician" in the subject line: 1. CV (up to 3 pages) 2. Cover letter (up to 2 pages) 3. Contact information for 3 professional references Applications will be reviewed immediately. Position is open until filled, apply as soon as possible for full consideration.

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## IGFL Lyon France Group Leader in Evolutionary Biology

Group Leader in Evolutionary Biology IGFL Lyon, France The Institut de Genomique Fonctionnelle de Lyon (IGFL; http://igfl.ens-lyon.fr/) is recruiting an independent - junior or established - group leader in Evolutionary Biology. We encourage candidates from all areas of Evolutionary Biology, including ones working on genotype-phenotype relationships and their impact on phenotypic evolution, major evolutionary transitions in multicellular systems, species co-evolution, and any other area that can resonate with and enrich the IGFL's research scope (see below). The IGFL is a unique scientific environment where teams address basic research questions at the interfaces of evolution, physiology and development, with a focus on integrative, organism-level research. The environment fosters rich intellectual exchanges and collaborations, supported by excellent facilities and services on campus. The IGFL is part of the vibrant research community of the Ecole Normale Superieure (ENS) de Lyon, encouraging interdisciplinary collaborations with neighboring institutes. The institute is international and the working language is English. The institute will provide a support package to establish the team ('seed money', technical support, culturing facilities for new species, if needed). The team will also benefit from an equipped laboratory for up to 10 people and furnished office spaces. The IGFL will support the selected candidate to secure research funding and a tenured position in France. Candidates who already hold a position in France, both junior and established, are welcome to apply. Junior candidates should be eligible for start-up programs (ERC Starting Grant, ATIP-Avenir, or equivalent). The IGFL is housed in a dedicated building situated on the ENS de Lyon campus. It comprises about 120 members from diverse nationalities and backgrounds. The institute benefits from in-house and on-campus access to state-of-the-art services, including high throughput sequencing, single-cell and spatial transcriptomics, bioinformatics, advanced microscopy, transgenic animal facilities, mass spectrometry and proteomics. See www.igfl.ens-lyon.fr and www.sfr-biosciences.fr for details. Access to these platforms is subsidised for IGFL teams. We strongly encourage applications from women and individuals from underrepresented groups. The IGFL is committed to

fostering a diverse, equitable, and inclusive research environment. Applications should be in English and must include a curriculum vitae, a short statement of achievements, a proposed research program of 3 to 5 pages, and contact details for 3 professional references. Applications must be sent as a single PDF to groupleadercall.igfl@ens-lyon.fr. We will be happy to answer questions on the recruitment process, including on the specificities of the French research system; enquiries can be sent to the same email address. The deadline for applications is 7 February 2027. Shortlisted candidates will be informed in late March 2027 and invited for a scientific presentation and interview in Lyon on 24-25 May 2027. The selection process will involve an international Scientific Advisory Board.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Leipzig Germany Professorship Root-Microbiome Interactions

PROFESSORSHIP IN GERMANY

The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) in GATERSLEBEN and the Heinrich Heine University (HHU) in DUESSELDORF, within the framework of CEPLAS (the Cluster for Excellence on Plant Sciences), jointly call for applications for a

Professorship (W2) in Root-Microbiome Interactions.

We are seeking an engaged and team-minded scientist with high international visibility in the field of root-microbiome interactions. We are interested in candidates who investigate the fundamental principles and mechanisms that govern the attraction, colonization and proliferation of microbial communities and mediate their beneficial impacts on agricultural crops. Research restricted to specific plant patho-systems (including those involving roots) will not be considered.

The research program should incorporate genetic, genomic, cell biological and/or physiological approaches. The candidate's previous research should be documented by outstanding publications and experience in securing extramural funding in the research area specified above.

Using plant genetic resources from IPK's gene bank in combination with genomic, bioinformatic, analytical and molecular biological methods, the successful candidate is expected to develop innovative approaches to enhance our understanding of the formation and optimization of beneficial interactions between roots and rhizosphere microorganisms.

Applicants should possess a strong background in the molecular-taxonomic identification of microorganismal groups. This research will generate knowledge to support future crop improvement to diverse management systems, soil and climate conditions. The planned research program should be internationally competitive and combine basic research with applied practice, in accordance with the Leibniz Association's principle of "theoria cum praxi".

The candidate should have an interdisciplinary approach and a willingness to cooperate across disciplines. The successful applicant is expected to engage in research cooperations within CEPLAS and across universities, research institutions and the breeding industry at the national and international level. In particular, a high level of commitment to intensifying the collaboration between CEPLAS and IPK within the framework of the Cluster of Excellence's goals is expected.

The position is located at IPK, where the candidate will lead a research group on root-microbiome interactions. The candidate will contribute to teaching (2 SWS) at the Heinrich-Heine University in Dusseldorf at the Bachelor's and Master's levels.

Applicants should have excellent communication skills in English. If the successful candidate does not yet speak German, a willingness to become proficient within two years is expected.

Conditions for employment are, in addition to the general administrative conditions in accordance with ?36 of the North Rhine-Westphalia University Law, an aptitude for teaching, exceptional competence in research, and additional scientific achievements. Applications from researchers abroad are expressly encouraged.

The IPK and HHU are equal opportunity and family-friendly employers and strive for gender equality and excellence through diversity. Applications from people of all genders are expressly welcome. Applications from women will be given preferential consideration in accordance with the State Equal Opportunities Act. The application of severely disabled persons and persons with equivalent disabilities is also welcome. In order for a severe disability or equality to be taken into account, please provide evidence of this with suitable documents.

Please submit your application in digital form (as a single pdf) containing: 1) a cover letter, 2) curriculum vitae incl. publication list (please highlight 5 selected

publications), 3) tabular list and proof of competitively acquired third-party funding (including scholarships), 4) copies of academic certificates, 5) statement of research interests including an outlook of future research (max. 2 pages), 6) statement of teaching and supervision experience (max. 1 page), 7) contact information for at least three references

Please submit your application to the HHU appointment portal at https://berufungsportal.hhu.de and complete the requested information as fully as possible.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## LouisianaStateU Assistant Professor-Behavioral Ecology

Assistant Professor - Behavioral Ecology, Louisiana State University

The Department of Biological Sciences at Louisiana State University invites applications for a tenure-track faculty position. The Department houses ¿60 faculty spanning a range of disciplines, with strengths in ecology, evolutionary biology, neuroscience, and systematics. We seek a behavioral ecologist with a strong research program to run an independent and externally funded research program, teach undergraduate and graduate courses, and contribute to service in the department, university, and to the field.

For details, please see the job advertisement posted here:

https://lsu.wd1.myworkdayjobs.com/en-US/LSU/job/Assistant-Professor-Behavioral-Ecology_R00121160 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## LouisianaStateU Endowed Chair in Lichenology

The Department of Biological Sciences at Louisiana State University seeks an outstanding senior scholar at the rank of Associate or Full Professor to fill a tenured appointment as the Dr. Shirley C. Tucker Chair in Lichenology. The successful candidate will be engaged in scholarly research on the evolutionary biology of lichens, with an emphasis on collections-based research. Candidates should have internationally recognized scientific reputations and are expected to maintain a high-level, externally funded research program, and provide leadership both on campus and beyond. The Tucker Chair includes a competitive salary and access to discretionary funds generated by the endowment.

LSU is designated a Carnegie Research I University and is one of a handful of distinguished universities to enjoy Land, Sea, and Space Grant status. The Department of Biological Sciences currently consists of 65 tenure-track faculty members studying a wide range of biological questions at scales from molecules to ecosystems. The candidate will build on LSU's strengths in evolutionary biology, systematics, and collections-based research. Among the departmental resources is the Shirley C. Tucker Herbarium (https://www.lsu.edu/herbarium/), which is one of the largest herbaria in the Gulf South, home to ca. 400k specimens, including a nationally important collection of lichens. The Department offers B.S., M.S., and Ph.D. degrees and has a strong record of success in research and student training. (See https://www.lsu.edu/science/biosci/ for more information.) Opportunities for a broad range of research interactions are available within the department, at the Museum of Natural Science, and throughout the University.

Duties include: - 50- 50

Minimum Qualifications Ph.D. in Biological Sciences, Botany, or a related field, and a demonstrated record of high-impact published research in lichenology.

Advanced level of the following job competencies are required: Research on the evolutionary biology of lichens (collections-based); Securing and maintaining extramural research funding; Publishing in highly ranked journals; Undergraduate and graduate teaching; Graduate student mentoring and supervision; and Scientific lead-

ership on campus and beyond. Preferred Qualifications Tenured or tenured-equivalent applicants with a strong record of past external funding are strongly preferred.

Additional Job Description:

Special Instructions: Please upload a single pdf document containing the following elements in the order below. - Cover letter (2 pages or fewer) - Curriculum Vitae - Statement of research interests (4 pages or fewer) - Statement of teaching and mentoring interests (2 pages or fewer) - The names and contact information of three references who can provide letters of recommendation at a future date. An official transcript of your highest degree will be needed by date of hire. Apply at https://lsu.wd1.myworkdayjobs.com/en-US/LSU/job/Dr-Shirley-C-Tucker-Chair-in-Lichenology_R00121175Review of applications will begin January 2027 and will continue until a candidate is selected. Questions about the position can be directed to the search committee chair, Laura Lagomarsino (llagomarsino1@lsu.edu) and/or senior HR specialist Lori Bond(lbond3@lsu.edu).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## LouisianaStateU Tenure-track Vertebrate Paleobiologist Curator

The Department of Biological Sciences and the Museum of Natural Science at Louisiana State University invite applications for a tenure-track faculty/curator position. The Department and Museum together house ¿60 faculty spanning a range of disciplines, with strengths in evolutionary biology, systematics, and ecology. We seek a vertebrate paleobiologist with a strong collections-based research program and expertise in the evolution of any group of vertebrates. Desirable disciplines include macroevolution, trait evolution, paleoecology, phylogenetics, and related fields. The successful candidate will curate the Museum's Vertebrate Paleontology collection of more than 43,000 specimens, which has excellent representation of early Tertiary marine vertebrates, and middleTertiary and Pleistocene terrestrial faunas of the southeast. We seek a curator who will manage these existing resources while also fostering the use and growth of the collection through traditional and innovative approaches that build on existing strengths or develop new directions. The successful candidate is expected to run an independent and externally funded research program, teach undergraduate and graduate courses, and curate the Vertebrate Paleontology collection.

Duties include: 50

25

25

Minimum Qualifications: PhD in Biological Sciences, Geological Sciences or related field.

Applicant should have a successful track record of productive research and publication, and postdoctoral experience. A strong background in the curation of vertebrate paleontological collections is necessary.

Apply at: https://lsu.wd1.myworkdayjobs.com/en-US/LSU/job/Assistant-Professor_R00120999 Review of applications will begin 11/16/2026.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## National Museum Cardiff Head of Zoology

Amgueddfa Cymru - Museum Wales seeks a new Head of Zoology to lead an experienced curatorial team driving forward innovative research and public engagement programmes. This strategic leadership role offers the opportunity to shape how Wales' national museum addresses global biodiversity and environmental challenges through world-class collections and cutting-edge research.

You will lead a team of curators and researchers, securing funding from bodies such as UKRI and the Royal Society while ensuring our zoology collections remain relevant and accessible. As Project Lead on high-impact research projects, you'll champion interdisciplinary collaboration across sciences, arts, and humanities, directly supporting our Strategy 2030 vision.

Key responsibilities include collection development, managing research budgets, publishing academic outputs, and fostering partnerships with higher education institutions. You'll deputise for the Head of Department as required, mentor staff and promote inclusive

practices that reflect our diverse audiences.

We seek a PhD (or equivalent) qualified zoologist with proven experience in museum collections management, team leadership, and successful grant applications.

Join us in mobilising scientific knowledge to engage audiences with environmental challenges while advancing Wales' position as a leader in biodiversity research and conservation.

Applications must be received by 02 November 2026 for consideration.

Please contact the Head of Natural Sciences and Research, Jenny Geroni (Jenny.Geroni@museumwales.ac.uk) or the Interim Head of Zoology, Jeff Streicher (Jeffrey.Streicher@museumwales.ac.uk) with any questions.

https://nmw.ciphr-irecruit.com/applicants/vacancy/2726/Head-of-Zoology-National-Museum-Cardiff (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## NewYork NY US Lecturer in computational biology

location New York City, NY time typeFull time posted onPosted 7 Days Ago job requisition idJR2026296

If you are a current Barnard College employee, please use the internal career site to apply for this position.

Job:

Lecturer of Biological Sciences

Barnard is a premier liberal arts undergraduate college for women in New York City affiliated with Columbia University.

Job Description:

The Department of Biology at Barnard College, Columbia University, seeks a full-time Lecturer, starting July 2027, with a specialization in Computational Biology. The teaching load for this position is 6 courses per year. Teaching duties include lecture and laboratory sections of Introduction to Cell and Molecular Biology and upper-level lecture and laboratory courses in Computational Biology. We encourage applications from candidates working in plant biology, biodiversity broadly defined, epidemiology, genomics, systems biology, protein structural biology, and biological data science.

As a full-time reviewed and renewable position, we expect Lecturers to participate fully in the life of the department and college, including advising, mentoring, service, and leadership. Lecturers are reviewed in their third year of full-time service, with the possibility for reappointment and consideration for promotion to Senior Lecturer in the seventh year. Subsequent reviews typically occur on a seven-year cycle.

Skills, Qualifications & Requirements:

Required Qualifications

A Ph.D. is required. Prior experience or demonstrated commitment to teaching and mentoring diverse students is desirable.

Application Requirements

Applicants are required to upload the following documents. Only complete applications submitted via Workday will be considered.

Curriculum Vitae (maximum file size: 5 MB)

A single file (maximum file size: 30 MB) containing:

Cover letter summarizing interest in, and preparation for, the position. Research/Scholarship statement highlighting how the applicant's research experience will inform their teaching. Teaching and mentoring statement describing the upper-level lab and lecture courses the applicant could teach (both existing offerings and new courses).

The accepted file formats are: CSV, DOC, DOCX, JPG, JPEG, PDF, PNG, XLS, XLSX. Files in other formats may not be readable and may not be considered during the review process.

Before submitting, please review the file containing your application materials to ensure that all information is complete and correct. Application materials cannot be edited after submission. To submit new or updated materials and information, please withdraw your original application and submit a new one as soon as possible.

Only semi-finalists will be asked to identify three references. Referees will receive an email notification instructing them to upload confidential letters of recommendation within one week of receipt of the email.

Review of applications will begin on approximately November 15, 2026 and may continue until the position is filled. The search committee plans to conduct Zoom interviews with semi-finalists in December. Campus visits will be conducted in January and February.

For questions about the position, pleaser contact bi

ologyjobcomp@barnard.edu. For technical questions on submitting your Workday application please contact workday@barnard.edu.

Salary: $88,000 - $94,000

Barnard College is an Equal Opportunity Employer. Barnard does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, or any other legally protected basis. Qualified candidates of diverse backgrounds are encouraged to apply for vacant positions at all levels.

The salary of the finalist selected for this role will be set based on a variety of factors, including but not limited to departmental budgets, qualifications, experience, education, licenses, specialty, and training. The above hiring range represents the College's good faith and reasonable estimate of the range of possible compensation at the time of posting.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Ohio State U US Martha N and John C Moser Chair in Arthropod Biosystematics and Biological Diversity

Martha N. and John C. Moser Chair in Arthropod Biosystematics and Biological Diversity The Department of Evolution, Ecology, and Organismal Biology (EEOB) invites applications for The Martha N. and John C. Moser Chair in Arthropod Biosystematics and Biological Diversity. We seek a colleague who takes lineage-focused approaches to questions in evolution and ecology of terrestrial arthropods. Candidates employing novel methods are especially encouraged to apply, as are those whose work complements and strengthens existing departmental expertise in phylogenetic systematics, species discovery and description, biodiversity informatics, population genetics, or evolution of character systems or interspecific interactions. The Moser Chair will serve as the head of the OSU entomological collections, which include the C.A. Triplehorn Insect Collection and substantial holdings of arachnids. The Moser Chair is expected to lead a nationally recognized, externally-funded research program that actively engages graduate and undergraduate students. Teaching duties will include undergraduate core courses in EEOB or the Center for Life Sciences Education and specialty graduate or undergraduate classes aligned with their area of expertise. This endowed, tenure-track position is open to applicants at the level of either Professor or Associate Professor. Applicants with a research program based in public or private institutions, including museums, state or federal collections, or similar organizations are encouraged to apply. We provide competitive resources for initiation of research activities at Ohio State, support for graduate students, and a collaborative, integrative research environment. This role is open to candidates not currently authorized to work in the US; an offer of employment would include sponsorship for required work visas. Please see https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Columbus-Campus/Martha-N-and-John-C-Moser-Chair-in-Arthropod-Biosystematics-and-Biological-Diversity_R160869-1 for more information and to apply.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Phoenix AZ USA Vice President and Chief Research and Solutions Officer

Vice President & Chief Research and Solutions Officer Desert Botanical Garden Phoenix Description Reports to: Executive Vice President & Chief Operating Officer Status: Regular Full-Time — Exempt The Opportunity: Desert Botanical Garden is seeking a visionary, entrepreneurial leader to help define what research can do to protect the future of the desert. The Vice President & Chief Research and Solutions Officer will lead a major expansion of the Garden's work to develop, demonstrate and scale solutions for a hotter, drier and rapidly changing desert. This executive will build a multidisciplinary enterprise bringing together research, horticulture, landscape design, demonstration projects and powerful community partnerships to tackle some of the most consequential challenges facing the Sonoran Desert and desert cities. The Chief Research and Solutions Officer will identify where Desert Botanical

Garden can make a distinctive contribution, build the teams and partnerships to address those challenges, and translate knowledge into solutions that can be tested at the Garden, demonstrated in the community and scaled beyond our boundaries. Initial areas of opportunity include: Sonoran Desert Protection and Restoration: advancing research and restoration strategies that help protect the plants, biodiversity and ecosystems that define the Sonoran Desert. Cooler Desert Cities: demonstrating how plants, shade and landscape design can contribute to cooler, healthier and more resilient desert communities. Climate-Ready Landscapes: researching how plants and designed landscapes perform under changing desert conditions, and translating that knowledge into practical public-facing guidance on plant selection, placement, water use, soils and long-term landscape care. These areas are intended as starting points, not boundaries. The Chief Research and Solutions Officer will help determine where DBG can have the greatest impact over time as environmental conditions, scientific understanding and community needs evolve. The position will move ideas through a deliberate continuum: Research. Design. Demonstrate. Partner. Scale. Success will not be measured primarily by the volume of research produced. It will be measured by the extent to which DBG's knowledge leads to healthier desert ecosystems, cooler communities, sustainable landscapes, changed practices and measurable adoption beyond the Garden's boundaries. Position Purpose: Grounded in the Garden's 2040 Compass strategic plan, this executive leads research and practical applications that create desert solutions, overseeing a multidisciplinary team of approximately 20 professionals. The role positions the Garden as a living laboratory, builds partnerships that extend its capabilities and reach, and connects research with horticulture, education, storytelling, public engagement and institutional planning. The central question: What can DBG uniquely solve for the desert and our community?

Essential Duties Lead Research and Desert Solutions - Establish a focused portfolio of consequential desert challenges where DBG has the expertise, assets or partnerships to make a distinctive contribution. - Move promising ideas from research through design, demonstration, partnership and broader adoption, with clear measures of scientific quality and practical impact. - Determine what DBG should lead directly, what partners can best accomplish and where resources should be redirected as priorities evolve. - Lead a multidisciplinary team of 20+ professionals spanning science, data, project management and expanding community partnerships. - Create a culture that combines scientific rigor with urgency, experimentation and measurable results for our community. - Advance signature protection and restoration initiatives that connect research, stewardship practices and community participation. - Establish clear priorities and measures of impact that extend beyond just publications, grants and traditional research outputs. Make the Garden a Living Laboratory - Partner with our Horticulture team to make DBG a visible model for both climate-ready desert landscapes and research demonstrations. - Use the Garden's 140 acres, living collections and horticultural expertise to test approaches to shade, thermal comfort, plant combinations, irrigation, soils and water harvesting. - Work with Education, Marketing and Visitor Experience to help visitors, professionals and partners experience solutions firsthand and understand the evidence behind them. Share Knowledge and Support Adoption - Translate findings into practical plant and landscape guidance, design resources and tools that help communities, professionals and landowners make informed decisions. - Partner with Education and Horticulture to reintroduce a public-facing Desert Landscape School and expand professional education, plant education and certification opportunities.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Royal Botanic Gardens Kew Research Leader Mycorrhizas

Join the Royal Botanic Gardens, Kew, as a (Senior) Research Leader in Mycorrhizal Ecology and help shape the future of biodiversity science.

Hours of work: Full time Contract Type: Permanent Salary: GBP63,116 to GBP71,300 per year Location: London, UK Closing Date: 08/11/2026

Senior Research Leader (Mycorrhizal Ecology) https://careers.kew.org/vacancy/senior-research-leader-mycorrhizal-ecology-621258.html Research Leader (Mycorrhizal Ecology) https://careers.kew.org/vacancy/research-leader-mycorrhizal-ecology-621319.html (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## SUNYGeneseo TeachingQuantitativeBiology

The Department of Biology at SUNY Geneseo invites applications for a tenure track position at the rank of Assistant Professor to begin in August 2027. The department seeks a scientist with training in Quantitative Biology with a passion for teaching who will contribute to the broad education in biology we provide to our majors and to the college community. Expertise may include, but is not limited to, computational biology, mathematical biology, theoretical biology, modeling, biostatistics, and epidemiology. A strong applicant will demonstrate an ability to contribute to Geneseo's growing expertise in the areas of data analytics and bioinformatics. For full details of the position and how to apply, please visit: https://jobs.geneseo.edu/postings/5643 The mission of the Department of Biology at SUNY Geneseo is to provide students from across New York State and beyond with a well-rounded background in biology, which can be used as a solid foundation for various careers in the biological sciences, health professions, and beyond. As a primarily undergraduate institution (PUI), we aspire to promote belonging among all our students, faculty and staff. This is achieved in part by having smaller class sizes ranging from 12 to 100 students per course, even in required and introductory courses in our popular and vibrant biology programs. Outside the classroom, undergraduate students work closely and directly with faculty to produce research and in other meaningful high-impact experiences, contributing to a high rate of students heading to graduate or professional school.

Our campus has a growing cohort of faculty teaching and working in data science, analytics, and applied AI across multiple departments in the Arts and Sciences and the School of Business. Recent hires, including in bioinformatics and data analytics, offer the opportunity for collaborations within and across disciplines. Geneseo also has two shared, Lambda workstations accessible to faculty and students suitable for research computing tasks, a GIS lab, and multiple computer labs.

The duties of the position include: -Teaching required courses in residence in the Biology programs and/or non-majors biology, and elective courses in quantitative biology. -Developing and maintaining a research program in Quantitative Biology that engages undergraduate students from all backgrounds and generates scholarly products appropriate to the field. Faculty are strongly encouraged to apply for external funding for continuing appointment and promotion. -Academic advising and service to the department, the college, the community, and profession, including contributing to curriculum development in quantitative biology or bioinformatics

Required Qualifications: - PhD in relevant discipline (Biology, Chemistry, Biochemistry, Biostatistics, Bioinformatics, Computer science, etc). Applicants for this position must have the conferred degree by the appointment date (September 1 2027) -Evidence of interest and ability to teach coursework in the subject of Quantitative Biology (e.g., biostatistics, etc.) and other courses in Biology (e.g., general biology, ecology, genetics, biochemistry, human biology, contemporary biology, advanced electives, etc.) to both introductory and advanced undergraduate students. -Potential to create and maintain a research program in Quantitative Biology that engages undergraduate students at a primarily undergraduate institution (PUI) -A commitment to fostering a welcoming, inclusive, and equitable working and teaching environment for all. -Ability and willingness to work in person on the SUNY Geneseo campus -Candidates for this position must be eligible to work in the United States. VISA sponsorship is not offered.

Preferred Qualifications: -Teaching experience and/or contributions to curricula in Quantitative Biology, or related courses -Research publications in peer-reviewed formats as appropriate to the field -Experience mentoring undergraduate students in research -Demonstrated engagement with building a culture of belonging in the workplace and/or teaching environments -Some postdoctoral and/or professional experience in Quantitative Biology

To apply, submit an online faculty application at https://jobs.geneseo.edu/postings/5406Please limit all documents except the CV to five pages total and address the required and preferred qualifications throughout. The application should include: - A Curriculum Vitae (CV) - A cover letter that addresses the required and any preferred qualifications - A statement of teaching interests and pedagogy - A research statement that addresses plans to include undergraduate students - In addition, applicants should be prepared to provide the contact information for three individuals who have agreed to supply a letter of reference.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## UAlberta CA Assistant Professor Functional Genomics and Generative Biology for Plant Adaptation

U of Alberta, Assistant Professor in Functional Genomics & Generative Biology for Plant Adaptation

Closing date: November 30, 2026 Link containing full description: https://iaejup.fa.ocs.oraclecloud.com/hcmUI/CandidateExperience/en/sites/UOA-Careers/job/4418 The Faculty of Agricultural, Life & Environmental Sciences at the University of Alberta invites applications for a tenure-track position at the rank of Assistant Professor in an area broadly related to functional genomics and generative biology, with the focus on plant adaptation and the resilience of managed and natural ecosystems under a changing climate. This Canada Impact+ Emerging Leader position is associated with Dr. Charles Chen's Eddie Goldenberg Research Chair in Adaptive Genomics for Climate-Resilient Forestry and Agriculture in the Department of Renewable Resources at the University of Alberta.

Salary and research support will be specified in the appointment offer. The successful candidate will establish an innovative, independent, and externally funded research program, teach undergraduate and graduate courses, supervise students and other highly qualified personnel, and contribute to interdisciplinary collaboration across the Faculty, the University, and with external partners. We seek an emerging scholar to lead an innovative, externally funded research program integrating functional genomics, biological synthesis and design, and experimental approaches to understand how adaptive biological functions emerge and interact across scales, and how they can be harnessed to enhance resilience in agricultural, forest, and natural-resource systems.

The successful candidate will hold an academic appointment in the Faculty of Agricultural, Life & Environmental Sciences, with an academic home in the Department of Renewable Resources.

Applications are invited from emerging scholars whose research will advance our understanding of adaptive biological function and develop innovative approaches to enhance the resilience of plants, forests, crops, and natural-resource systems. Areas of interest include functional genomics, genetics, plant and forest breeding, recombination, genome and epigenome engineering, synthetic biology, and AI-guided biological design; advanced genomic approaches, including single-cell and spatial genomics, high-throughput perturbation, and experimental validation of computationally generated hypotheses; and the mechanisms underlying plant adaptation, stress responses, plant health, biotic interactions, and regeneration. Research may span multiple levels of biological organization, from genes, cells, and regulatory networks to tissues, organs, whole plants, populations, and ecosystems, integrating computational, experimental, and design-based approaches to understand, predict, generate, and test biological variation and function.

We particularly welcome research that bridges disciplinary and biological scales and translates fundamental discoveries into applications supporting resilient forests and/or crops, sustainable natural-resource management, and the conservation of biological resources. The successful candidate will establish an independent, externally funded research program, contribute to undergraduate and graduate teaching and student mentorship, and foster interdisciplinary collaborations within the University of Alberta, in addition to Dr. Chen's Eddie Goldenberg Research Chair. Engagement with external partners and stakeholders, including government, industry, Indigenous communities and organizations, forestry and natural-resource professionals, conservation organizations, and tree improvement programs, is encouraged, as are knowledge mobilization, extension, and collegial service.

Applicants must be:

Internationally based (working and residing outside Canada) at the time the Emerging Leader position is accepted. An early career researcher, defined as being within five (5) years of the start date of their first research-related appointment (minus eligible leaves of absence, such as parental, medical, community, or bereavement leave) as of the posting date.

Successful nominees will be appointed at the University of Alberta as an assistant tenure-track professor. Successful nominees will be expected to start their position within 12 months of accepting the award. The award value is $100,000 per year over six years and is renewable for up to six additional years at the same amount. Chairholders will be required to take up their appointment on a full-time basis and be located at the University of Alberta.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## UCollege Dublin Ireland Postdoc Opportunities in RNA Directed Evolution

¿¿¿¿¿¿¿¿¿¿¿¿¿¿¿¿

Postdoc Opportunities in RNA Directed Evolution: ERC Advanced Grant "REVOLVER"

The Laboratory for Genomics of Long Noncoding RNA and Disease (GOLD Lab) is recruiting three postdoctoral researchers for a new ERC-funded programme applying directed evolution to regulatory long noncoding RNAs for the first time. The goal is to develop a deeper understanding of their molecular mechanisms and to engineer RNAs as a new class of therapeutic.

We have both experimental ('wet') and computational / bioinformatic ('dry') openings.

You will lead your own research area within a diverse, well-resourced team, and develop expertise at the intersection of RNA, evolution, genome editing and translational medicine. The project is supported by a team of world leading international collaborators.

We are looking for ambitious, independent researchers with a PhD and strong track record in one or more of: o Quantitative evolutionary analysis: fitness landscapes, epistasis and the structure of genotype-phenotype maps; inference of variant fitness effects from high-throughput selection data; adaptive dynamics and the population genetics of selection experiments. o Deep mutational scanning and multiplexed assays of variant effect (MAVEs): design, analysis or modelling of large-scale variant-function data. o Sequence-function modelling: predictive or interpretable models mapping sequence to measured function, including model-guided design of mutational libraries. o Experimental evolution and directed evolution: selection design, mutagenesis strategies, and analysis of evolving populations. o RNA biology, genome editing and bioengineering: functional dissection of regulatory RNAs, CRISPR-based perturbation, and engineering of RNA molecules.

Duration: Fully funded for up to 5 years with competitive salary. Start: March 2027 or soon after. Location: Conway Institute, University College Dublin, Ireland.

More about us: The GOLD Lab studies lncRNAs and exploits them for medicine. Our approach is interdisciplinary (computational / experimental) with a particular strength in genome-editing methods. We collaborate closely with leading international consortia (including FANTOM, GENCODE) and research groups. Our core values are passion for science, respect for each other, team work and rigorous thinking. See our website at https://gold-lab.org To apply: Send a brief email outlining your relevant experience and motivation, telling us where you saw our advert, with attached CV, to rory.johnson@ucd.ie with subject line "REVOLVER PD". Applications will be accepted on a rolling basis until positions are filled (check our website for updates).

¡¡¡¡¡¡¡¡¡¡¡¡¡¡¡¡

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## U Gothenburg Sweden Assoc Sen Lecturer Botany Vascular plant systematics

The Department of Biological and Environmental Sciences (BioEnv) at the University of Gothenburg seeks to recruit a plant systematist having competence in the tools of modern systematics, a strong interest in natural history collections, and whose research makes first-hand use of material housed in such collections. It is anticipated that this person will: (i) via the quality of their research, strengthen the departmenta??s profile in biodiversity science; (ii) engage actively with undergraduate and graduate students, through teaching, research, and mentorship; (iii) contribute to strategic development and curation of the Herbarium GB collections; and (iv) foster collaboration between the herbarium, the department, and the Gothenburg Botanical Garden.

This associate senior lectureship initially comprises 60

Teaching and research tasks include: - Development of and engagement with a sustained, substantive, and productive research program focusing on vascular plants. A significant component of the research should be collections-based, making use of herbarium material. -

Building and leading a research group, including applying for external research funding and publishing in high-quality scientific journals. - Teaching topics in plant taxonomy, systematics, and related subjects at undergraduate and graduate levels. This includes lecturing, coordination of practical exercises, course leadership, and project supervision. - Supervising doctoral students. - Participation in the development and renewal of teaching, in both content and form. - Development of collaborations with other research groups at University of Gothenburg and with researchers at other institutions. The department is especially keen to strengthen its collaboration with the Gothenburg Botanical Garden, with respect to research, teaching, and collection management. - Participation in and development of societal collaboration projects.

Curation tasks include: - Participation in the development of strategic goals and drafting of grant applications for Herbarium GB. - Curation and development of the vascular plant collections in Herbarium GB. - Execution and publication of research relating to or arising from curation activities. - Promoting integration of Herbarium GB into university- and botanic garden-based teaching, research, and community activities. - Support of digitization and database cataloguing in line with international standards for specimen data. - Support of visiting researchers and promoting collaboration with national and international institutions.

For this position, emphasis is placed on research qualifications and expertise, particularly in herbarium specimen-based research, with curation skills considered to be of similar importance. The assessment categories of collaboration with the wider community and management and administrative expertise are considered advantageous. The assessment of research and curation skills includes - Proficiency in vascular plant systematics, taxonomy, and nomenclature, as evidenced by publications and participation in scientific conferences. - Experience of herbarium curation and/or collections-based taxonomic research. - Advanced knowledge of modern techniques in taxonomy and systematics, including phylogenetic and phylogenomic tools. - A clear vision of the future role and operation of herbaria, and thoughts on the priority actions required to realize that vision. - Experience of herbarium digitization, georeferencing, and/or database development. - Knowledge of the Northern Eurasian and/or Eurasian floras, specifically floristics and regional plant identification. Personal qualities such as initiative, organization skills, pedagogical insight, and communication skills will also be taken into consideration.

For further details concerning this position and the application process, visit the full advertisement: Goteborgs universitet — Associate Senior Lecturer in Botany, specialising in vascular plant systematics - https://web103.reachmee.com/ext/I005/1035/job?site=7&lang=UK&validator?89bead79bb7258ad55c8d75228e5b7&job_idA863 Goteborgs universitet — Bitradande universitetslektor i botanik med inriktning mot karlvaxtsystematik - https://web103.reachmee.com/ext/I005/1035/job?site=6&lang=SE&validator038fcf1516ea1184a6da70a891f87da&job_idA623

If you have questions about the employment, you are welcome to contact: - George Anthony Verboom, Professor in Botany

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## UMassBoston PlantEcolEvol

The Department of Biology at the University of Massachusetts Boston invites applicants for a full-time tenure-track Assistant Professor to pursue a research program in plant ecology and/or evolution in the context of global change. The position will begin September 1, 2027. Areas of interest include (but are not limited to) the impact of global change on plant health and ecology, biodiversity, rapid evolution, ecosystem function, and interactions among plants and other organisms.

A PhD in the biological sciences, ecology, evolution, plant biology, or another related field.is required. The successful candidate will receive a competitive salary and start-up package and is expected to establish a highly recognized, externally funded research program. The successful applicant is expected to direct the research of students at the doctoral and undergraduate levels and have commitment to excellence in teaching courses related to plant biology, ecology, evolution, and environmental science.

The Biology Department at UMass Boston includes a dynamic, collegial group of biologists in research areas ranging from molecular and cellular biology to ecology and evolution, and significant graduate and undergraduate programs. The UMass Boston College of Science and Mathematics is committed to inclusive excellence in research and education. We are a highly collaborative college of STEM including departments of Biology,

Chemistry, Computer Science, Engineering, Mathematics, and Physics.

Application instructions:

Applications are received at: https://employmentopportunities.umb.edu/boston/en-us/job/530340/assistant-professor-biology Candidates should submit: (i) a cover letter, (ii) a curriculum vitae, (iii) a statement of research plans, and (iv) a statement of teaching philosophy, including teaching experience. Applicants should include contact information for three references. Applications should be submitted by December 1, 2026, for full consideration. Review of applications will then continue until the position is filled.

UMass Boston expects to pay within an approximate range between $80,000 and $102,394 for this position.

The specific pay for this position will be determined by the University based on the consideration of all relevant factors when and if it decides to extend an offer of employment.

For further information, visit the Biology Department website at http://www.umb.edu/academics/csm/biology or contact the Chairs of the Search Committee, Mayra Vidal at mayra.cadorinvidal@umb.edu and Liam Revell at liam.revell@umb.edu.

UMass Boston is committed to the full inclusion of all qualified individuals. As part of this commitment, we will ensure that persons with disabilities are provided reasonable accommodations for the hiring process. If reasonable accommodation is needed, please contact HR@umb.edu or 617-287-5150.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UMichigan ScientificIllustration GraphicDesign NaturalHistoryCollections

Scientific illustration and graphic design position: University of Michigan Museum of Zoology and Herbarium, Department of Ecology and Evolutionary Biology The University of Michigan Museum of Zoology and Herbarium seek a digital artist/graphic designer who is passionate about illustrating organisms, helping scientists communicate their discoveries, and expanding how natural history collections serve a global community. We welcome both scientific illustrators with strong design skills and versatile designers with a love of natural history. This position offers an unusual combination: the collections and scientific community of two world-class museums, together with the opportunities and resources of a leading research university. Our biodiversity collections hold more than 17 million specimens of animals, plants, and fungi from around the world and support global research that spans species discovery, the evolutionary history of life, responses to global change, and human and wildlife health. The successful applicant will collaborate directly with faculty curators, collection managers, students, and communications staff to create scientific illustrations, design print and digital publications, and strengthen the museums' visual storytelling and websites. Applicants should have a bachelor's degree, at least three years of relevant professional experience, proficiency in Adobe Illustrator and InDesign (or equivalent), and experience with website design and maintenance. A portfolio demonstrating strengths in one or more relevant areas is required; these may include scientific illustration, graphic design, publication layout, web design, data visualization, photography, videography, or multimedia. The position is based in Ann Arbor, Michigan, USA at the University of Michigan's Research Museums Center, which also includes the Museum of Paleontology and Museum of Anthropological Archaeology. Ann Arbor is a great place to live - a vibrant college town with a strong cultural and intellectual community. Applications are open through November 4, 2026, with review beginning after that date. Please submit a cover letter addressing your interest and relevant experience, along with a portfolio of original work, through the official posting for "EEB Museums Digital Artist/Graphic Designer": https://careers.umich.edu/job_detail/284273Questions about the application may be directed to Jennifer Wolff at jenwolff@umich.edu. Learn more about our museums: Museum of Zoology: https://lsa.umich.edu/ummzHerbarium: https://lsa.umich.edu/herbarium (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UNacional Autonoma Mexico Faculty position Systematic Botany

Faculty Position. Systematic Botany - Vascular Plants Institute of Biology. Universidad Nacional Autonoma de Mexico

https://www.ib.unam.mx/ibunam/inv_Botanica_SIJA.pdf The Universidad Nacional Autonoma de Mexico (UNAM, www.unam.mx) is the preeminent public higher-education center in Mexico and is among the highest-ranking Spanish-speaking and Latin American universities. UNAM's Institute of Biology is a research center on the University's main campus in Mexico City. Its mission is to discover, describe and systematically document biota, conducting scientific research about the evolutionary processes that originate and maintain it; its composition, distribution and interactions, and its sustainable use. The Institute of Biology houses the National Biological Collections of Mexico, including ten zoological collections, and the National Herbarium. Its faculty include over 160 scientists and academic technicians who conduct research, teach and supervise undergraduate and graduate students, and participate in outreach activities, all to contribute to the understanding and conservation of biological diversity and to improve scientific advancement and the well-being of society.

To fulfill its mission, the Institute of Biology seeks qualified applicants for one tenure-track position as a full-time Research Scientist (Investigador/a de Tiempo Completo) in the field of Systematic Botany, in the Department of Botany.

CANDIDATE'S PROFILE: We seek a scientist able to conduct research in systematic botany (e.g., species discovery and description, classification, phylogenetic relationships), applying innovative theoretical concepts and methodological tools for phylogenetic reconstruction with genomic data, or for comparative phylogenetics, to investigate evolutionary processes above the species level (e.g., morphological diversity and evolution, species richness, diversification, distribution), combining field work and use and development of biological collections.

REQUIREMENTS: - Doctorate or Ph.D. degree in botany, systematics or evolution. - Preferably with postdoctoral experience. - Knowledge and professional experience of at least 3 years in research in phylogenetic systematics and evolution of a group of vascular plants. - Field work experience. - Experience in the use or development of biological collections. - Ability to teach and supervise undergraduate and graduate students from UNAM's Schools of Science and Graduate Programs, as well as to participate in outreach and institutional activities. - Develop their own line of independent research, including procurement of funds for research and interaction and collaboration with other research groups. - Non-native speakers must be fluent in the Spanish language. - Because this position is available through the Subprograma de Incorporacion de Jovenes Academicos de Carrera (SIJA) UNAM, aimed at incorporating early-career faculty, female applicants should be 39 years old or younger, and male applicants should be 37 years old or younger on the day of hire approved by the Consejo Tecnico de la Investigacion Cientifica (CTIC, Technical Council for Scientific Research).

APPLICATION AND SUPPORTING DOCUMENTS: To apply, please send the following documents to sacademica@ib.unam.mx, with copy (Cc:) to secacad_vl@ib.unam.mx 1. Curriculum vitae (CV), including academic degrees, publication history and experience in systematics and evolution of vascular plants. 2. Description of research conducted during at least the past 3 years (maximum 2 pages). 3. Research proposal to be developed in three years, in the context of a long-term research plan, centered on the systematics and evolution of a group of vascular plants, preferably with a focus on Mexican groups (maximum 15 pages). 4. Cover letter addressed to the Director, Prof. Susana Magallon, stating the motives and interest in developing an academic career at the Institute of Biology, UNAM (maximum 2 pages). 6. Shortlisted candidates should provide academic recommendation letters from three persons.

Applications, accompanied by supporting documents, will be received from October 16th 2026 until the close of this call, on November 29th 2026 at 18:00 h (Mexico City time). Shortlisted candidates will be contacted to request recommendation letters, a seminar for the academic community of the Institute of Biology, and a personal interview.

CONTACT: For any questions regarding this announcement, please contact the Office of Academic Affairs of the Institute of Biology at sacademica@ib.unam.mx and/or secacad_vl@ib.unam.mx.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## UNC-CH Biology MCDB

The Department of Biology at UNC Chapel Hill (https://bio.unc.edu/) is searching to hire two tenure track Assistant Professors to study critical questions in Molecular, Cell, and Developmental Biology, broadly defined.

We seek candidates doing basic science driving at new fundamental discoveries using a variety of established, emerging, and new model systems. All candidates must have earned a Ph.D. or equivalent degree, have post-doctoral research experience, and be committed to teaching at the undergraduate and graduate levels. Successful candidates are expected to build an active research group, secure competitive external funding, and participate in the scientific community at UNC-CH.

Therefore, a strong publication record and a track record of obtaining funding appropriate to career stage and eligibility will be considered favorably. Candidates are requested to specify in their cover letter what animal care facilities will be required to support their research program.

Find more information and apply here: https://unc.peopleadmin.com/postings/325923 (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## U NorthTexas Assistant-Associate Professor in microbiome research

The Department of Biological Sciences at the University of North Texas (UNT), a Hispanic-Serving Institution and Carnegie R1 Research University, invites applications for a tenure-track Assistant Professor position in Microbiology, with an emphasis on microbiome research as it pertains to organism health and interactions with the environment. The faculty member will contribute to and collaborate with ongoing basic and applied research programs within the Department, as well as the College of Science's Health Sciences cluster-hire initiative. We are interested in a broad range of research areas, and model or non-model systems.

Exceptional candidates with significant experience at the Assistant Professor level, or equivalent, may be considered for hire at the Associate Professor level.

The successful candidate will contribute to a strong tradition of interdisciplinary and collaborative research at UNT by interacting with diverse faculty, staff, and students within and between departments and institutes at the university, including members from the Advanced Environmental Research Institute (AERI) and the BioDiscovery Institute (BDI). This position will complement recent hires in microbiology, biochemistry, environmental science, and health-related fields in the Department of Biological Sciences at UNT.

More information is available at: https://careers.untsystem.edu/jobs/assistant-associate-professor-of-microbiology-denton-texas-united-states (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## U Oklahoma LMAMR Research Coordinator Technician

We are seeking a Research Coordinator at the Laboratories of Molecular Anthropology and Microbiome Research. The ideal candidate for this position will have laboratory experience in sample preparation for high-throughput DNA sequencing and be interested in contributing to funded research projects on mammal and sedimentary DNA.

The Laboratories of Molecular Anthropology and Microbiome Research (LMAMR- lmamr.org) represent an interdisciplinary partnership that seeks to understand biocultural, ecological and evolutionary dimensions of life. We study biomolecules retrieved from the following: extant, forensic, historical, archaeological, and environmental materials, with special attention to humans and human-associated organisms including commensals and pathogens. Our mission includes innovation in research and commitment to training in molecular and systems biology approaches, with a collaborative effort towards conservation, cultural respect, community engagement and outreach, both regional and international.

Duties: - Collaborate with PIs, lab manager and postdocs on study design and implementation - Perform standardized laboratory protocols for sample processing and analysis - Manage sample inventories and associated metadata throughout sample collection, labora-

tory processing, and long-term storage - Collect, organize, manage, and analyze research data and metadata - Prepare reports summarizing results of experiments or conclusions of research projects - Help maintain the laboratories - Keep detailed records of all work-related activities - Travel for project meetings/sample collection as needed - Identify supplies and reagents that need to be purchased - Perform various duties as needed to successfully complete research project objectives - Contribute to the collaborative and supportive LMAMR community - Participate in science communication and outreach endeavors

Qualifications Education: Required Bachelor's degree. MA/MS in Life Sciences or Anthropology with genomics experience preferred. Two years of experience in lieu of Master's degree. Skills: * Experience with DNA extraction, library preparation & high throughput sequencing. * Experience with ancient DNA, eDNA, SedaDNA or degraded DNA (not required but useful). * Experience with project management.

The ideal Research Coordinator will be interested in contributing to ongoing research projects in collaborative teams. We encourage you to apply even if you do not meet all the preferred qualifications in the job posting. We value the skills and perspectives that scientists from a variety of backgrounds bring, as they can drive our lab's research in innovative and exciting directions. Application instructions Interested candidates should reach out to Courtney Hofman, courtney.hofman@ou.edu with questions and submit their CV and cover letter via Interfolio: https://apply.interfolio.com/195695Equal employment opportunity statement The University, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, sex, sexual orientation, marital status, genetic information, gender identity/expression (consistent with applicable law), age (40 or older), religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, housing, financial aid, and educational services.

Why You Belong at the University of Oklahoma The University of Oklahoma values our community's unique talents, perspectives, and experiences. At OU, we aspire to harness our innovation, creativity, and collaboration for the advancement of people everywhere. You Belong Here!

Mission of the University of Oklahoma The Mission of the University of Oklahoma is to provide the best possible educational experience for our students through excellence in teaching, research and creative activity, and service to the state and society.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UtahStateU AssistantProfessor AvianBiology

Application link: https://careers-usu.icims.com/jobs/10789/jobJob Title: Assistant Professor of Biology D Avian Biology Initial review of applications will begin on November 2, 2026, but the position will remain open until it is filled.

The Department of Biology (www.biology.usu.edu) at Utah State University is seeking to fill a tenure-track (1.0 FTE, 9-month, 50

The department seeks a colleague with a collaborative vision who is motivated to join a community dedicated to high-quality research and teaching that emphasizes acceptance and respect of all people. Opportunities exist for collaboration across the Department of Biology, the Ecology Center, Utah Agricultural Experimental Station, and with researchers throughout Utah State University, including faculty in Wildland Resources, the new College of Veterinary Medicine, and across USU's statewide campuses. The estimated start date will be August 1, 2027. For further information or inquiries, please contact Search Committee Co-Chairs Becky Williams (becky.williams@usu.edu) or Joe Wilson (joseph.wilson@usu.edu). The initial review of applications will begin on November 2, 2026, but the position will remain open until it is filled.

Responsibilities The successful candidate is expected to establish a nationally recognized research program that incorporates avian biology and to be an effective teacher and mentor to undergraduate and graduate students. Teaching responsibilities will include Ornithology (BIOL 5560) and contributions to the broader Biology curriculum. The teaching load is typically two courses per year, including Ornithology and an additional undergraduate or graduate course appropriate to departmental needs and the candidate's area of expertise. This may include contributions to introductory or mid-level biology courses or development of an upper-level or graduate course in the candidate's area of specialization. The successful candidate will also be ex-

pected to incorporate experiential and field-based learning opportunities into their teaching. The successful candidate will be expected to mentor undergraduate and graduate students in research. The department values experiential and field-based learning and encourages opportunities that engage students in ornithology beyond the classroom. The appointment is expected to be made at the Assistant Professor level. The department and university offer numerous resources to support success, including competitive start-up funding, excellent research and teaching facilities, opportunities for internal research funding, and access to diverse field environments throughout Utah and the Intermountain West.

Qualifications Minimum Qualifications * Ph.D. in Biology, Zoology, Ecology, Evolutionary Biology, Integrative Biology, Neuroscience or another relevant biological discipline. * Research: A strong record of publication in peer-reviewed journals demonstrating expertise in avian biology or closely related areas. * Teaching and mentoring: Teaching experience at the university level or formal pedagogical training. Demonstrated ability to successfully mentor undergraduate or graduate students in research projects. * Communication skills: Excellent written and verbal communication skills.

Preferred Qualifications * Postdoctoral research experience. * Demonstrated ability to secure external funding. * A well-defined research program substantially focused on birds that uses integrative or multidisciplinary approaches. * Potential to collaborate with current faculty members in Biology or other researchers across Utah State University. * Experience incorporating experiential or field-based learning into undergraduate education. * Experience with innovative teaching methods or technologies. * Experience in science communication to non-specialist audiences or involvement in community outreach programs. * Interest in developing research, educational, or outreach activities involving undergraduate and graduate students and USU's statewide community.

Link to apply: https://careers-usu.icims.com/jobs/10789/job

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## UWitwatersrand Johannesburg SouthAfrica Director Evolutionary Studies

***The deadline for applicants is extended until October 20th, 2026***

DIRECTOR: EVOLUTIONARY STUDIES INSTITUTE (5-year fixed term appointment) The Faculty of Science of the University of the Witwatersrand invites applications for the above Directorship:

The Evolutionary Studies Institute (ESI) is an international leader in palaeosciences research, advancing palaeontology, palaeoecology, and related evolutionary disciplines for 80 years. It employs six full-time academic researchers, 12 technical and administrative staff, and hosts more than 30 postgraduate students. The ESI holds one of the largest palaeontological collections in Africa, comprising fossil hominins and faunas from the Cradle of Humankind, Palaeozoic and Mesozoic vertebrates from the Karoo Supergroup, and a large palaeobotany herbarium. These collections receive international and local research interest. The ESI manages a suite of staffed research facilities, including fossil preparation laboratories, a fossil casting lab, a Micro-CT scanner with a virtual image processing lab, and a variable pressure SEM. The Faculty of Science seeks to appoint a suitably qualified and experienced Director for the ESI to manage, support, and develop these staff and resources.

The ESI Director will be expected to provide academic vision, professional leadership, and managerial coordination of its various programmes to maintain and build the Institute's international standing. This vision should include innovations in research, postgraduate training, education, and public communication that foreground the Institute's role in understanding evolutionary and environmental change. The ESI Director must have the academic standing to instil confidence in the members of the Institute and possess high-level leadership skills to build consensus and enact a shared strategic vision.

The ESI Director is responsible for the administration of the Institute and should be visible and active in the affairs of the Faculty and the University. This includes coordinating academic activities in teaching, research and postgraduate training, human resource activities in

recruitment and management, and financial and infrastructure resource management. The ESI Director is expected to maintain an active research program, engage in postgraduate supervision, and contribute to course instruction at an appropriate level during their term of office. The ESI Director will also manage stakeholder relationships with Sterkfontein Caves, the Origins Centre, and other Palaeosciences-adjacent Wits initiatives.

The successful candidate will be appointed for a fixed term of five years with the possibility of a second term following due process and will be eligible for a position in the ESI as a member of the academic staff at the appropriate academic rank after the period served as Director. The ESI Director reports to the Dean of Science and is a member of the Faculty Executive, chaired by the Dean of Science, and contributes to the overall strategic and operational management of the Faculty of Science.

For more information about the Institute see: https://www.wits.ac.za/esi/ QUALIFICATIONS AND REQUIREMENTS: The Director must hold an appointment at a minimum level of Associate Professor or equivalent at the time of applying, a PhD in an appropriate field that is relevant to the Institute (i.e. Palaeosciences and adjacent disciplines), an accomplished research record, and bona-fide experience in postgraduate training, undergraduate teaching experience, academic leadership, and administration preferably within a university or research environment.

SALARY & BENEFITS: An attractive and competitive salary package will be negotiated on an individual basis.

ENQUIRIES AND APPLICATIONS: Faculty of Science HR Director Mrs Zandi Makasi, Tel: +27 (0) 117171434 or e-mail: zandi.makasi1@wits.ac.za.

TO APPLY: Submit a cover letter accompanied by a detailed curriculum vitae, certified copies of all educational qualifications and identity document, and the names and email addresses of three referees as well as a statement of vision for the Evolutionary Studies Institute.

External applicants are invited to apply by registering their profile on the Wits I-Recruitment platform located at https://irec.wits.ac.za and submit their application.

Internal employees are invited to apply directly on Oracle by following the path: iWits/Wits Employee Self Service/Apply for a job.

CLOSING DATE: Officially closes 30 September 2026, applications accepted via email until October 30th, 2026

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## VU Amsterdam AssistantProfessor MolecularEvolution EvolutionaryAdaptation

Job Title: Assistant Professor position in Evolutionary Adaptation in the Anthropocene

Are you passionate about research and teaching, and would you like to work in a multidisciplinary team in the field of evolution and ecology? Please apply at Vrije Universiteit Amsterdam.

Location: AMSTERDAM, The Netherlands

FTE: 0.8 - 1 Job description The Amsterdam Institute for Life and Environment (A-LIFE) invites applications for an Assistant Professor in molecular evolution in the field of Evolutionary Adaptation in the Anthropocene.

Humans are causing unprecedented and fast changes on our planet, challenging scientists to understand how anthropogenic environmental change affects the evolution of traits and interactions of species. Genetic and phenotypic variation play a crucial role in adaptation of species to anthropogenic habitats. We are looking for candidates who combine outstanding research with enthusiastic teaching, in understanding the molecular basis of adaptation in human-impacted environments, using approaches such as epigenetics, transcriptomics, and functional genetics. Candidates studying the molecular effect of selection pressure caused by pollution and/or urbanization on terrestrial invertebrates are specifically invited to apply. The position is embedded in the section Ecology & Evolution, a vibrant research group with a strong global track record in conservation genomics, stress adaptation, species interactions and trait ecology. The candidates are expected to contribute to our focus on integrative ecological and evolutionary research.

The Amsterdam Institute for Life and Environment (A-LIFE) offers a stimulating international research environment with a world-class academic reputation, and

state-of-the-art facilities. We have a strong commitment to bachelor and master level teaching. Research in the institute covers a wide range of fundamental and applied research topics with the aim of advancing the fundamental understanding of the interplay between life and its environment. The section's strength lies in the ability to integrate studies of adaptive changes across the entire range of biological organizational levels, including human populations. We do this as an international, inclusive, and collaborative group of researchers.

We ask candidates to write a concise research statement (max. 1 pages) that identifies and presents how their research plans will contribute to the research portfolio of the department in general, and the section Ecology and Evolution in particular. In addition, we ask candidates to provide a concise teaching statement (also 1 pages max.) reflecting on their teaching vision and how they will contribute to the teaching tasks of the department.

YOUR DUTIES - develop a vigorous, largely extramurally funded research program. - teach bachelor and master level courses in evolution, ecology, ecotoxicology or related subjects. - provide high-quality training and supervision to BSc and MSc-students, PhD-students and postdocs. - engage in professional development activities related to teaching and academic leadership.

REQUIREMENTS - Ph.D. in evolutionary biology, molecular biology, ecotoxicology or related field with at least three years of postdoctoral experience. - strong track record of research and publications in the field of evolutionary adaptation to anthropogenic environmental changes. - proven ability for acquisition of external funding. - demonstrated skills in activating teaching methods in BSc and MSc level courses. - excellent communication skills (written and spoken English) and motivation to work in a team. - proficiency in Dutch is not required, but the successful candidate is expected to develop at least a passive proficiency within three years after appointment.

The Amsterdam Institute for Life and Environment (A-LIFE) offers a stimulating international research environment with a world-class academic reputation and excellent state-of-the-art facilities. Research in the section Ecology & Evolution covers a wide range of fundamental and applied research topics, including stress ecology, species interactions, evolutionary adaptation, symbiotic interactions, climate change and ecosystem functioning and investigates a variety of animal species. The section's strength lies in the ability to integrate studies of adaptive changes across the entire range of biological organizational levels. We do this as an international, inclusive, and collaborative group of researchers.

Faculty of Science

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Other

ESEB Call SpecialTopicNetworks Deadline 2 April 2027 58
ESEB Conference Travel Award Deadline 31 Jan 2027 58
ESEB Hewitt Mobility Award Applications by 31 Jan 2027 ..... 59
ESEB JMS Prize Deadline 15 Jan 2027 ..... 60
ESEB Outstanding Mid-Career Award Deadline 30Nov 60
HOB an open-source research management toolkit for Evolutionary Biology ..... 61
Software corridoR an R package for forecasting genetic range shifts along migration corridors ..... 61
Software hybridclock an R package for dating hybrid populations ..... 62
U Uppsala Undergrad project opportunities with flycatchers ..... 62

## ESEB Call SpecialTopicNetworks Deadline 2 April 2027

ESEB SPECIAL TOPIC NETWORKS - CALL FOR PROPOSALS This is a call for proposals for new Special Topic Networks (STN), which will start in September 2027 and be funded by ESEB for up to 6 years. The deadline for the submission of a proposal is Friday, April 2nd, 2027. Background ESEB's STN Initiative supports networking activities in all areas of evolutionary research. Each STN is funded for up to 6 years (subject to review after 2 and 4 years of operation) with up to 10,000 Euros for each 2-year funding period. 14 STNs have been supported since the start of the initiative, and up to four new STNs will be initiated every other year. Networking activities may include the organisation of symposia, workshops, lecture series, courses, and lab visits or joint work on review papers or databases. However, the format of an STN is up to the organisers, and innovative ideas are encouraged. All active fields of evolutionary research are eligible, provided that the topic of the network differs from the STNs that are currently funded (see the list of currently funded STNs below). Proposals and selection procedure Applicants should provide a proposal with the following components: (1) Topic of the network: a description of the research area to be targeted, explaining why it is timely to address the proposed topic by a networking initiative, and outlining the expected benefits of the STN to the field (max. 1000 words). (2) Network activities: a global description of the planned networking activities that includes information on the target group of researchers and a more specific description of the activities planned for the first two years of operation of the STN (max. 500 words). (3) Organisation of the STN: the names and affiliations of the organisers of the proposed STN, and brief CVs (max. 1 page) of 3 to 5 core organisers; an explanation of the organisational features of the STN (e.g., responsibilities for management of funds provided by ESEB, decision-making in the network, website and promotional activities), and a description of the feasibility of the plans in view of the restricted budget (max. 500 words, excluding the CVs). The requirements to be satisfied and the evaluation criteria will be detailed below. Applications should be emailed as a single PDF file to the ESEB office (office@eseb.org) by 2nd April 2027. Updated versions of previously submitted proposals are welcome. Following the closing date, ESEB's STN Committee will install an independent STN Review Panel consisting of ESEB members without conflict of interest with any of the submitted proposals. The STN Review Panel will evaluate and rank the proposals and make funding recommendations to the ESEB Council. The outcome will be announced after the next Council meeting, at the latest on 31st August 2027. Evaluation and funding criteria The proposed topic of the STN will be the principal evaluation criterion. The score for this criterion will be based on part (1) of the application and will account for 50Funding requirements (1) Topic of the network (50(2) Network activities (25

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## ESEB Conference Travel Award Deadline 31 Jan 2027

***ESEB Conference Travel Award 2027*** The ESEB Conference Travel Award 2027 stipends are for students and young scientists who are professionally based in countries with a low GDP to attend the European Meeting of PhD Students in Evolutionary Biology (EMPSEB) in Zrece, Slovenia from the 31 May - 4 June 2027, or the ESEB Hub Congress 2027 from 16-20 August in four locations, or the Evolution meeting of ASN/SSB/SSE from 25-29 June in San Juan, PR. The stipend will contribute to covering travel, living expenses, and early bird congress registration fees. The funds will be paid out as a reimbursement after the meeting, based on the specification of the expenses.

Please note that this Conference Travel Award is distinct from the Congress Attendance Aid Grant (https://eseb.org/prizes-funding/equal-opportunities-initiative/congress-attendance-aid-grant/), which is designed to promote the attendance of underrepresented groups and to help with the additional costs of meeting attendance due to responsibilities for caring for dependents when attending the meetings, and NOT for the costs of the applicant to attend the meeting. DEADLINE: 31 January 2027. Expected decision by the end of February 2027. Eligibility: - Applicants must be ESEB members before the deadline (for becoming an ESEB member, please visit https://eseb.org/society/eseb-membership/). - Applications can be submitted by scientists at various stages

of their professional career (e.g., Master and PhD students, postdocs, and young lecturers). - Scientists working in a country with a high GDP are not eligible. High income countries are classified due to the map of the World Bank at https://blogs.worldbank.org/en/opendata/world-bank-country-classifications-by-income-level-for-2024-2025.- People who received an ESEB travel stipend in the last five years are not eligible. - Applicants must apply to present either an oral communication or a poster to be eligible for the stipend. Presentation of a talk or a poster will be verified before the reimbursement, but no proof that a poster or talk is accepted is necessary at the application stage. Please note that being chosen for a travel award does not guarantee acceptance of a poster or talk at the conference, that the stipend will be given based on receipts, and that participation is mandatory in order to receive it. Please note that these stipends are given in conjunction with analogous stipends offered by the Society for the Study of Evolution (SSE; separate call) to support participation at the Evolution meeting 2027, so there is no need to apply to both the ESEB and the SSE awards. How to apply: Send your application by email to the ESEB Office (office@eseb.org; subject: Conference Travel Award 2027).

The application should be no more than 2 pages long and include: - Name of the applicant; - ESEB membership number; - Budget (currency = EUR), including sources of additional support; - An explanation of how attendance at the meeting will support the attendant's professional goals; - and a short CV. Please submit the application as a single PDF-File. A support letter from the applicant's advisor/mentor/senior colleague is also required. Support letters should be sent to the same email address (office@eseb.org) by the applicant's mentor by the deadline.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## ESEB Hewitt Mobility Award Applications by 31 Jan 2027

Godfrey Hewitt Mobility Award - Call for Applications Deadline: 31 January 2027 Eligibility The award is open to PhD students or postdoctoral scientists who are, at the closing date for applications, within 6 years of the start date of their PhD and ESEB members. In addition, applicants will be considered who are more than 6 years from the start of their PhD if they have had career breaks, worked part-time, or for other reasons have not worked continuously. Applicants who have previously received a Godfrey Hewitt mobility award are not eligible. The maximum single award will be 2,000 Euros. Scope Godfrey Hewitt mobility awards support fieldwork or research stay at a lab that you have not previously visited. There is no restriction on the country of residence or nationality of the applicant, nor on the location of the proposed mobility (assuming feasibility). A report will be required after one year. Application procedure Your application should be sent as a single PDF file to Ute Friedrich at the ESEB office, office@eseb.org. It should include your name, current status and institution, your PhD start date, your ESEB membership number, a description of the work to be carried out (maximum 500 words), an outline budget with brief justification (maximum 100 words) and a signed statement from your PhD supervisor or postdoctoral adviser (maximum 100 words) explaining why the work cannot be funded from your home institution or your proposed host institution, or any other source.

Applications will be considered by a committee chaired by Andrea Betancourt, whose membership includes Steve Ramm, Richard Nichols, and Ines Fragata. The aim will be to announce decisions before the end of March 2027. The committee will consider the following key criteria: 1. The value of the proposed mobility in terms of its expected output and impact on the applicant's career. The committee prefers projects that are: - Not a core component of the applicant's existing PhD or postdoctoral project, but a new venture clearly based on the applicant's own initiative. - Likely to be completed and have definable output within the award period. - Have the potential to lead to larger future projects or to enhance the applicant's career in evolutionary biology. 2. The need for the GHM award, i.e. the potential for the funding provided by ESEB to make a difference, in relation to resources already available for the specific project from other sources, such as through the home or host institution. Note the awards are not intended to make up shortfalls in the funding of the applicant's existing research, but for applicant-driven innovations. Please endeavour to address these points in your application. For further guidance from the committee in shaping your proposal, see the GHM award application guidance document at https://eseb.org/prizes-funding/godfrey-hewitt-mobility-award/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription:

https://evoldir.net/django/subscriptions/manage/)

## ESEB JMS Prize Deadline 15 Jan 2027

ESEB JOHN MAYNARD SMITH PRIZE

Each year the European Society for Evolutionary Biology (ESEB) distinguishes an outstanding young evolutionary biologist with a prize named after John Maynard Smith (1920 - 2004), eminent scientist, great mentor, author of many books on evolution, and a former President of ESEB.

NOMINATION The prize is open to any field of evolutionary biology. The candidates for the 2027 prize should have commenced their PhD study after January 1, 2020. However, nominees who started their PhD earlier than January 1, 2020 will also be considered if they have taken career breaks; an outline of the reason should be given. Self and non-self nominations are both welcome. Documents supporting a nomination should be sent as a single PDF file to Ute Friedrich at the ESEB office office@eseb.org. NON-SELF NOMINATIONS: 1. Letter of support. If you are nominating someone, please send a letter of support for the nomination directly to ¡office@eseb.org¿. - Your letter should outline the candidate's academic qualities as well as their wider diverse contributions including to EDI (equality, diversity, and inclusion) and Open Research. 2. Candidate documentation. If you are nominating someone, ask them to send a single pdf file to ¡office@eseb.org¿. This file should contain: - a brief description of the candidate's contributions to the study of evolution (1 page maximum) - the candidate's CV and a list of publications (indicating three notable papers and a description of the candidate's contributions to those three papers) - the CV should also include information on the candidate's wider, diverse contributions including to EDI and Open Research - a short description of current research (1 page maximum) - a short description of future research plans (1 page maximum) SELF NOMINATIONS: 1. Letter of support. Ask a colleague to write a supporting statement, as above, for your nomination. They should send this letter directly to ¡office@eseb.org¿. 2. Candidate documentation. Send the same candidate information as outlined above directly to ¡office@eseb.org¿. DEADLINE Nominations and letters of support should arrive no later than FRIDAY, JANUARY 15, 2027. Please take care to limit the size of attachments (total ¡ 10MB) in any one email. The nomination committee, chaired by the ESEB Vice-President Deepa Agashe, will evaluate the nominations and inform the winner approximately by early March 2027. ASSESSMENT PROCESS The evaluation committee, after ruling out any potential conflicts of interest, will review all the material. The evaluation committee will consider the academic merit of applications. In addition, they will also consider (i) diverse contributions - e.g. via science outreach, teaching, mentoring, community service, EDI, mitigation of climate change impacts, etc, and (ii) engagement with Open Research, e.g., via sharing of research via mechanisms including Open Access, preprint servers, and sharing of data, code, protocols, etc. The evaluation committee is also instructed to take into account potential differences in access to opportunities, and to be aware of, call out and take steps to minimise, conscious and unconscious biases in their evaluations.

AWARD DETAILS The prize winner is expected to attend the ESEB hub congress in August 2027, where they will deliver the 2027 John Maynard Smith Lecture. The Society will cover early bird member registration, accommodation, and travel expenses (economy fares) in line with ESEB's reimbursement guidelines. The JMS Prize comes with a monetary prize of 2,500 EUR, the invitation to write a review for the Journal of Evolutionary Biology, and the possibility of a Junior Fellowship of 6 months at the Institute of Advanced Study in Berlin, Germany. For more information on the Institute of Advanced Study see https://www.wiko-berlin.de/en/ Previous winners of the JMS Prize are listed at the ESEB web site: https://eseb.org. Sincerely, Deepa Agashe ESEB Vice-President

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## ESEB Outstanding Mid-Career Award Deadline 30Nov

The European Society for Evolutionary Biology (ESEB) is launching a new award, the 'ESEB - Outstanding Mid-Career Award', replacing the previous ESEB Presidents' award to improve the balance of the Society's awards portfolio across career stages. The ESEB

Outstanding Mid-Career Award recognises the significant contributions of a mid-career scientist to evolutionary biology. It is open to scientists within 15 years of completing their PhD, accounting for career breaks. The award is presented to an individual who has made notable advances in evolutionary biology and contributed to furthering ESEB's Mission, Values and Goals (https://eseb.org/society/). The prize (travel, registration and accommodation to ESEB conference, within a limit) will be awarded once every two years and the recipient will be invited to give an address, at the ESEB Congress or Joint Congress in Evolutionary Biology in the same year that the award is made. TO APPLY Please complete the application form at https://forms.gle/hiGkTH8kmKNqCjqs5 and append a 2-page CV. Note that individuals can be nominated by ESEB members (with approval of the nominee) or may nominate themselves. Applicants nominating themselves should be current ESEB members or must join the Society after they were awarded in 2027. DEADLINE 30 November 2026, 23:59 CET The winner will be announced by the end of January 2027. AWARDING PANEL Convened by the outgoing President for each award and comprising two Council members.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## HOB an open-source research management toolkit for Evolutionary Biology

Dear colleagues,

I am looking for collaborators interested in testing, improving, and extending HOB (HOB-Research Vault Toolkit), a free and open-source research management system I built as an extension to Obsidian with the goal of a peer-reviewed publication.

HOB provides an integrated environment for managing scientific workflows, including literature organisation through Zotero, project planning, structured research notes, workflow automation, research activity monitoring, Bayesian project-duration forecasting, and AI-assisted knowledge management.

The system may be of interest to evolutionary biologists looking for a customisable, Markdown-based environment to organise literature, projects, analyses, and other research activities.

The preprint paper describing HOB is available here: https://www.researchgate.net/publication/413543809_HOB_A_Free_Open-Source_Obsidian-Based_Research_Management_System_for_Scientific_Workflows The source code is available under the AGPL-3.0 licence: https://github.com/Bendlexane/HOB I welcome expressions of interest from researchers and developers who would like to test HOB in their own workflows, suggest discipline-specific improvements, contribute code or documentation, or help disseminate the toolkit within the scientific community. I am particularly interested in building a community around the project and exploring extensions that could better support the needs of evolutionary biology research.

If you are interested, please contact me by email to discuss possible contributions and collaboration.

Best regards, Manuel Tiburtini, PhD Postdoctoral Researcher Fermo, Italy ORCID: https://orcid.org/0000-0003-4985-3058 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Software corridoR an R package for forecasting genetic range shifts along migration corridors

Dear Evoldir members,

corridoR is a new R package that forecasts how gene flow among sampled populations will shift under climate change. It builds least cost corridors between sites, summarizes environmental layers inside them (each group of variables chooses its own corridor width), models pairwise differentiation (FST) and the direction of migration (?M), and maps the projected change with arrows showing the net direction of gene flow.

It reads STRUCTURE, GENEPOP, VCF, GenAlEx, FSTAT and PLINK files. In simulated mountain ranges, its forecasts of the direction of migration reached r = 0.81-0.84, against 0.55-0.58 for a random forest. The method was first applied to the Yosemite toad (Maier et al. 2022, Heredity; https://doi.org/10.1038/s41437-022-00561-x).

Install: install.packages("corridoR") Full tutorial: https://paulmaier.github.io/corridoR/articles/tutorial.html Code and issues: https://github.com/paulmaier/corridoR

Sincerely, Paul Maier

PAUL MAIER, Ph.D. Senior Population Geneticist genebygene.com familytreedna.com

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Software hybridclock an R package for dating hybrid populations

Dear Evoldir members,

hybridclock is a new R package that estimates how long ago hybridization began in a population, and whether it is still going on, from genetic markers. Tools such as NewHybrids classify individuals only up to the second generation, and HIest gives S and H without an explicity time estimate; hybridclock dates the population as a whole, from F1s to dozens of generations, with or without a genetic map.

It simulates hybrid populations matched to your data and study system (founding design, breeding size, continuing gene flow, linkage), trains a model of hybrid age with calibrated 90

Install: install.packages("hybridclock") Tutorial with five real datasets: https://paulmaier.github.io/hybridclock/articles/tutorial.html What else looks like age (linkage, inbreeding, drift, dropout, gene flow, selection): https://paulmaier.github.io/hybridclock/articles/lookalikes.html Code and issues: https://github.com/paulmaier/hybridclock

Sincerely, Paul Maier

PAUL MAIER, Ph.D. Senior Population Geneticist genebygene.com familytreedna.com

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## U Uppsala Undergrad project opportunities with flycatchers

Ready to lead your own ecological research project in the field?

The Qvarnstrom Lab (Uppsala University) is looking for students interested in doing Master thesis, research training, and degree projects with us! We are interested in the study of climate adaptation and speciation from different perspectives, using the natural flycatcher hybrid zone on Oland (Sweden). You will be part of our team monitoring natural populations of flycatchers and their hybrids in Sweden while also collecting data for your own thesis or report!

- The proposals are aimed at Master or undergrad students that want to do Master thesis, research training, internship or ERASMUS projects in 2026-27 or 2027-28. - Students need to be enrolled in a university course (in Sweden or elsewhere) that insures them while working in Uppsala University and Oland (Sweden) for field work. - Students need to be available to join the next field season in Oland (May to June 2027).

Contact us to find a suitable project for you if you fill the conditions above! contact: michaela.berdougo@ebc.uu.se

Team: Anna Qvarnstrom (PI) Ana Gomes (Postdoc) Michaela Berdougo (PhD student)

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

# PostDocs

AmericanMuseumNaturalHistory Richard Gilder Graduate School ..... 63
CEFE Montpellier France Postdoc ..... 63
Cornell ButterflyEvoDevo ..... 64
Cornell U Genetic Coupling Hypothesis Speciation 64
CPG Stockholm Postdoc Palaeogenomics ..... 65
CzechRepublic InsectPhylogenomics PopulationGenomics ..... 65
Edinburgh Postdoc PopulationGenomics ..... 66
GreifswaldU Germany Postdoc position in Evolutionary Biology ..... 67
Hangzhou Population Genomics Social Insects ..... 68
IMIC Prague Biogeography Macroevolution Vertebrates ..... 68
IRBI CNRS UTours France Comparative Multi-omics of feather keratins ..... 69
Kiel Germany PhD C elegans natural ecology and evolution ..... 70
Montpellier France Postdoc position on drug resistance evolution ..... 70
NationalMuseumNaturalHistory Insect pollinator comparative genomics ..... 71
NSCORE ColumbiaU NewYork ThreePositions ..... 72
Texas Biomed Cheeseman Lab-Primate Genomics . 72
UClemson PostdocPosition Evolutionary Genomics 72
U Florida WiselyLab Postdoc position ..... 73
UGoettingen Germany Postdoc Evolutionary Genomics 73
U St Andrews UK Postdoc Testing the Genetic Coupling Hypothesis of Speciation ..... 74
U Tennesee Knoxville Postdoc Ancient DNA Evolutionary Genomics ..... 75
UWarsaw ParasiticProtistEvolution ..... 76
UWarsaw Poland Postdoc Co-phylogeny and extinction modelling ..... 76
WarsawU Poland Postdoc position ..... 77

## AmericanMuseumNaturalHistory Richard Gilder Graduate School

RGGS Postdoctoral Fellowships The Postdoctoral Research Fellowship Programs of the Museum are designed to advance the training of each participant by having them pursue a specific, time-limited project in association with Museum professionals in the museum setting. The applicant's project must fit into one or more of the main research areas of interest in the Museum's Scientific Divisions: Anthropology (https://www.amnh.org/research/anthropology), Invertebrate Zoology (https://www.amnh.org/research/invertebrate-zoology), Paleontology (https://www.amnh.org/research/paleontology), Physical Sciences (https://www.amnh.org/research/physical-sciences; Astrophysics and Earth & Planetary Sciences), or Vertebrate Zoology (https://www.amnh.org/research/vertebrate-zoology). Postdoctoral Fellows are expected to conduct their work at the Museum. Applicants are encouraged to contact potential curatorial sponsor(s) prior to applying. Appointments are typically made for two years. In addition to a competitive salary and benefits, limited relocation, research and publication support is provided. Newly graduated or soon-to-graduate Ph.D. students may apply. Fellows must have received their degrees or deposited their dissertations before they can begin their appointments. There are no citizenship or geographic requirements to apply. The expected salary for these post-doctoral positions is $73,316. Astrophysics candidates may be eligible for supplemental funding up to a maximum of the level of a NASA Hubble Fellowship (currently $77,690), subject to funding availability. All post-doctoral appointment salaries may vary based on funding sources. Deadline to Apply: 11/15/2026 at 11:59 PM ET Link to Website: https://www.amnh.org/research/richard-gilder-graduate-school/fellowshipsLink to Application Instructions: https://www.amnh.org/content/download/432812/6290821/file/rggs-postdoctoral-fellowship-application-instructions.pdfContact Email for Questions: fellowships-rggs@amnh.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## CEFE Montpellier France Postdoc

Announcement for a post-doctoral position entitled "Theoretical approaches to the eco-evolutionary dynamics of trophic modules - role of predation and competition", at CEFE (Montpellier, France) and iEES (Paris, France)

The research proposed for this postdoctoral position

aims to use mathematical models to analyze how intraspecific and interspecific interactions interact to shape the dynamics of simple trophic modules (e.g., one predator, two prey species, and one resource) in a spatial context. The focus is therefore on coexistence arising from dynamics that are both ecological and evolutionary, mediated by competition and predation. Particular attention will be paid to the link between these evolutionary dynamics and the dynamics of trophic modules, which corresponds, for example, to situations of biological invasions.

The aim is also to analyze eco-evolutionary dynamics of this type in a case study: the freshwater habitats of Martinique (monitored over the long term at numerous sites). The system consists of a crayfish that preys on two species of snails competing for the same food resource (biofilm). These components play a key role in local freshwater ecosystems. The two snail species, which are phylogenetically and ecologically closely related, are clonal, meaning that competition occurs both within and among species. The crayfish exhibits marked sexual dimorphism, which affects predation. This system has emerged through invasion over the past few decades.

See details about the position and the work environment on the CNRS website: https://emploi.cnrs.fr/Offres/CDD/UMR5175-AXEGAY-002/Default.aspx (activate the English version on top right of the screen =¿ EN).

If you have any questions, please contact Philippe Jarne (philippe.jarne@cefe.cnrs.fr), Isabelle Gounand (isabelle.gounand@sorbonne-universite.fr), Nicolas Loeuille (nicolas.loeuille@sorbonne-universite.fr), or Francois Massol (francois.massol@sorbonne-universite.fr).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Cornell ButterflyEvoDevo

The Reed Lab ( reedlab.org ) in the Department of Ecology & Evolutionary Biology at Cornell University is looking to hire a Postdoctoral Associate to work on the evolution and development of butterfly wing patterns.

The successful candidate will play a leading role in conducting experimental and comparative work to understand how changes in gene regulatory elements underlie butterfly wing pattern evolution and/or seasonal plasticity. They will be expected to come to the position having some experience in both computational and bench approaches but can be trained in molecular methods such as RNA-seq, ATAC-seq, ChIP-seq, and CRISPR genome editing.

This position formally begins as a one-year appointment and is renewable for up to five years contingent upon funding, available work, and annual performance reviews. Applicants will be reviewed on a continuing basis until the position is filled. The start date is flexible, but ideally would be some time between now and mid-2027.

Please direct any questions to robertreed@cornell.edu

Apply here: https://academicjobsonline.org/ajo/jobs/33250 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Cornell U Genetic Coupling Hypothesis Speciation

Evolution. Population genetics. Animal behavior. Speciation.Postdoc. Cornell University

A postdoctoral position is available in the Shaw lab at Cornell University, Ithaca, NY, USA. The Shaw lab engages in interdisciplinary studies centered on the origins of species, asking questions about behavior, evolution, genetics, ecology and phylogeny. The postdoc will con-

tribute to our NSF funded studies of the genetics of natural populations and artificial selection of the genetic coupling of mating songs and preferences in the Hawaiian cricket Laupala. The primary role of the post doc is to engage in innovative research designs to analyze the role of linkage disequilibrium/genetic correlations of mate recognition behaviors in natural and artificially selected native Hawaiian cricket populations, and their relationship to speciation. Techniques to be employed include selection line analyses, genomic sequencing and associated bioinformatic and statistical analyses to answer questions about the population genetics of natural populations. It is expected that the postdoc will write up the results for publication in quality peer-reviewed scientific journals and will present the work at national and/or international research conferences. The successful candidate will enjoy a high degree of intellectual and day-to-day independence, enabling valuable interactions within the larger community of evolutionary biologists at Cornell. The successful candidate will hold a PhD degree in a relevant life sciences field, have experience in genomics and DNA sequencing and associated statistical and bioinformatic expertise. Strong candidates will show independence, effective oral and written communication skills, and past mentorship experiences. Continued professional training and postdoctoral mentoring will be supported.

To apply: Please send a preliminary email to communicate your interest. Applications will be reviewed upon receipt. Apply early to receive priority. Please submit (to KLS4@cornell.edu) a CV and cover letter describing your research experience, interest in the position, employment history and/or timeline for completion of the PhD. Please include the names and contact information for two referees. A full list of Shaw Lab publications is available on Google Scholar under Kerry Shaw. See also: https://shawlab.weebly.com/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## CPG Stockholm Postdoc Palaeogenomics

We are looking for a postdoctoral researcher in palaeogenomics, who will join David Diez del Molino's research group at the Centre for Palaeogenetics in Stockholm and the Department of Zoology at Stockholm University. The position is initially funded by the Carl Tryggers Foundation as a scholarship (tax-free stipend) for a period of 21 months. The start date is flexible, but the candidate should ideally start as soon as possible.

The successful candidate will join an international research project (MAMBA, https://www.mamba-erc.com/) which aims to understand the origins of large mammoth bone accumulations and exploring the function they played for the hunter-gatherer societies during the Last Glacial Maximum (LGM). The candidate will conduct both laboratory work and computational analyses of palaeogenomic data from woolly mammoth remains from diverse locations in Central Europe. The aim is to genetically characterize the individuals and groups represented in these locations as well as to track population genomic diversity changes through time.

The applicant must have a PhD in genomics, evolutionary biology or a similar subject. Ideal candidates should be creative and ambitious with a track-record of scientific achievements in population genomics and/or evolutionary biology. Prior experience in palaeogenomics, bioinformatics, and/or computational genomics will be considered important merits.

More information on the position and how to apply: https://www.su.se/english/divisions/department-of-zoology/about-the-department/work-with-us/postdoc-on-palaeogenomics-of-woolly-mammoths Information about the Centre for Palaeogenetics can be found here: https://palaeogenetics.com Closing date: November 30th 2026

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## CzechRepublic InsectPhylogenomics PopulationGenomics

POSTDOCTORAL POSITION Insect Phylogenomics & Population Genomics Palacky University Olomouc, Czech Republic The Department of Zoology at Palacky University Olomouc invites applications for a 12-month postdoctoral position in phylogenomics, population genomics, and molecular phylogenetics of insects, with a particular focus on ants (Formicidae). The successful candidate will work at the Department of Zoology (https://zoologie.upol.cz) in close collaboration

with the Laboratory of Molecular Ecology and Biodiversity (https://www.hormigas.mx). Our research combines molecular, evolutionary, ecological, and biogeographic approaches to investigate the diversity and evolution of tropical organisms. POSITION DETAILS Duration: 12 months Anticipated start: January-March 2027 (negotiable) Location: Olomouc, Czech Republic Salary: CZK 45,000 gross/month, adequate for local living costs RESEARCH FOCUS The primary focus of the position will be the analysis of insect molecular and genomic datasets from Melanesia and the South Pacific. The candidate will work with existing datasets, including: - Genomic and genome-scale sequence data - Ultraconserved elements (UCEs) - RADseq data - Sanger sequence data, including multilocus and DNA barcode datasets - Population-genetic and population-genomic data, including microsatellites

The research will address questions related to phylogenetic relationships, population structure, species and lineage diversity, biogeography, and the evolutionary history of tropical insect lineages. The candidate will be expected to contribute substantially to bioinformatic and statistical analyses, interpretation of results, and preparation of manuscripts for publication. There will also be opportunities to develop additional research questions. QUALIFICATIONS Applicants should have: - A completed PhD in evolutionary biology, molecular ecology, phylogenetics, population genetics/genomics, bioinformatics, entomology, or a related field - A demonstrated publication record in phylogenomics, molecular phylogenetics, population genetics/genomics, or insect systematics - Strong practical experience with molecular sequence data and expertise in several approaches relevant to the position, such as genomic data, UCEs, RADseq, Sanger sequence data, and microsatellites

- Experience with population-genetic and/or population-genomic analyses and proficiency in relevant bioinformatic and statistical methods - Ability to work independently and collaboratively within an international research team - Good scientific writing and communication skills in English

Previous experience with insects, particularly ants or other non-model organisms, is advantageous but not essential. WHAT WE OFFER The position provides an opportunity to join an international research environment focused on tropical molecular ecology, evolution, and biogeography. The candidate will work with existing molecular datasets and biological collections from New Guinea and the South Pacific, ranging from Sanger sequence datasets to modern genomic datasets. Palacky University is one of the major research universities in the Czech Republic. Olomouc is a historic university city with a large academic community and a relatively low cost of living compared with many Western European university cities. APPLICATION Application deadline: November 8, 2026 Applicants should submit the following documents: - A CV including a complete publication list - A brief statement describing their research background, relevant methodological expertise, and research interests - Contact details for two academic references

Applications must be submitted electronically through the official Palacky University recruitment portal: https://pracuj.upol.cz/nc/en/news/clanek/postdoctoral-position-in-insect-phylogenomics-population-genomics/CONTACT & INFORMATION Dr. Milan Janda Department of Zoology Palacky University Olomouc, Czech Republic Email (inquiries): milan.janda@upol.cz https://www.hormigas.mx https://zoologie.upol.cz (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Edinburgh Postdoc PopulationGenomics

We are recruiting a 3-year postdoc to join the group of Konrad Lohse (Edinburgh) for a comparative population genomics project on adaptive introgression in butterflies.

The official ad is here: https://elxw.fa.em3.oraclecloud.com/hcmUI/CandidateExperience/en/sites/CX_1001/job/15023The application deadline is November 13th 2026, the job would start Feb 1st 2027.

The goal of the project is to increase our understanding of adaptive introgression. - What fraction of hard sweeps involve variation that has introgressed across species barriers?

- What are the selection targets and correlates of adaptive introgression?

- How do cross-over and gene conversion events shape introgressing haplotypes?

- Can we detect ongoing adaptive introgression waves in spatial population genomic data?

We are looking for someone who has the ideas, excitement and the popgen/bioinformatics skills to lead this project. The project is co-supervised by Simon Martin,

involves fantastic collaborators abroad and has quite a bit of flexibility in terms of the science we want to do. If you want to discuss the project further before applying, feel free to get in touch with konrad.lohse@ed.ac.uk

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## GreifswaldU Germany Postdoc position in Evolutionary Biology

Job announcement

University of Greifswald, Department of General and Systematic Zoology

Research Associate (post-doctoral researcher) in Evolutionary Biology

Application deadline: 31.10.2026

The Uhl-Group of the Zoological Institute and Museum at the University of Greifswald is seeking to fill a position of a Research Associate (m/f/d) in Evolutionary Biology (40h/week) Starting date: preferably from 01. February 2027 The position is suited for qualification on the post-doc/habilitation level. The contract will be issued for an initial period of three years. After positive evaluation and the fulfilment of the legal requirements, the position can be extended for a maximum of another three years.

Within an evolutionary framework, the Uhl-Group investigates i) reproductive strategies, including behaviour and functional morphology, ii) chemosensing, including ultrastructural, molecular and electrophysiological aspects, iii) adaptations to changing environments using behavioural, morphological and genetic methods. We mainly work on spiders, millipedes and beetles. https://zoologie.uni-greifswald.de/en/organization/departments/general-and-systematic-zoology/Your Profile - University degree (PhD) in biological sciences - research is based on evolutionary biology. Focus can be on reproductive biology, behavioural ecology, functional morphology, population genetics, gene expression analysis - ideally, several of these aspects are covered - research topics with arthropods as model organisms due to existing infrastructure is favourable - development of a coherent concept for the integration of your own research topics in the department - strong publication record and interest in acquiring external funding - teaching experience either in zoology, evolutionary ecology, and behavioural ecology - or in combination - very good oral and written communication skills in English - Basic knowledge of the German language to support teaching in the Bachelor's degree programs - ability to work both independently and as part of a team Main Responsibilities: - Participation in the fulfilment of the teaching obligations of the department with 4 CPs (Practical courses in Systematics/Anatomy of animals in the bachelor programme; Evolutionary Ecology in the Master programme "Biodiversity, Ecology and Evolution", Excursions). - Active participation in the research projects of the department with your own focus that complements the expertise of the group We offer - salary according to remuneration level 13 TV-L - internal and external training opportunities - flexible working hours - collegial working environment University of Greifswald: The University of Greifswald is one of the oldest universities in Germany and the Baltic Sea Region, founded in 1456. Its research strength mainly originates in the intensive interdisciplinary collaboration of the five faculties, and offers excellent research infrastructure. The University invites people of all origins and convictions to take part in academic education and to work together to enhance knowledge. https://www.uni-greifswald.de/en/university/information/profile/short-profile/The city of Greifswald is situated at the Baltic sea in the northeast of Mecklenburg-Western Pomerania, about 200 km north of Berlin. The area offers diverse outdoor activities such as hiking and water sports. Application Procedure: We are looking forward to receiving your application including a motivation letter, a research statement and a concept of how your research can complement the research fields of the group, CV, links to relevant publications, account of teaching experience, and certificates. Your application should be sent via email to Prof. Gabriele Uhl in a single PDF document (Name_26/Wi17.pdf). University of Greifswald Zoological Institute and Museum Prof. Dr. Gabriele Uhl (she/her) Loitzer Strasse 26 17489 Greifswald, Germany Email: gabriele.uhl@uni-greifswald.de Official announcement on Greifswald university website (in German): 26/Wi17: https://www.uni-greifswald.de/universitaet/information/stellenausschreibungen/wissenschaftliches-personal/ (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Hangzhou Population Genomics Social Insects

The Darras Lab is recruiting a postdoctoral researcher to study social insect evolution using large-scale population genomic analyses. This is a fully computational position, suited to researchers with strong backgrounds in population genomics, comparative genomics, or large-scale genomic data analysis. # The lab Our lab (https://lab-darras.github.io/) investigates the evolution of reproductive systems, with particular emphasis on genetic conflicts and unusual reproductive strategies. Our recent discoveries include a novel reproductive system involving genetic chimerism (Darras et al. 2023, Science) and a noncoding RNA involved in sex determination in haplodiploid insects (Yu et al. 2026, PNAS). The lab is based at Zhejiang University, one of China's leading research universities, within the Centre for Evolutionary and Organismal Biology (https://evolution.zju.edu.cn/en/members.html). The centre brings together nine research groups working on comparative genomics, experimental evolution, evolutionary developmental biology, and evolutionary medicine. It has a growing international research community, currently including two international PIs and five international students. We are happy to share more about life in Hangzhou and what it is like to work at Zhejiang University.

# Candidate Profile We are looking for an independent researcher with strong analytical skills and an interest in addressing evolutionary questions using genomic data. Applicants should have: - A strong background in population genomics, comparative genomics, or bioinformatics. - Experience analyzing large-scale genomic datasets - Independent thinking and problem-solving skills, including the ability to develop approaches beyond standard analytical pipelines. - Applicants must have at least one first-author publication in a reputable international journal to meet the university's requirements. # What we offer - An international, interdisciplinary research environment. - A well-funded laboratory supporting independent research and the exploration of new ideas. - Competitive salary starting at RMB 320,000 per year, negotiable depending on experience. - Eligibility for university housing, subject to university regulations. - Support for postdoctoral fellowships, research grants, international conferences, and collaborations. - Additional benefits depending on qualifications and experience. # How to apply Please send the following documents as a single PDF to hdarras@zju.edu.cn. - Email subject: Postdoc application — Your Name - CV - Brief statement of research achievements, including your contributions and future research interests. - Contact details of referees. Applications are welcome on a rolling basis.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## IMIC Prague Biogeography Macroevolution Vertebrates

POSTDOCTORAL FELLOWSHIP IN BIOGEOGRAPHY AND MACROEVOLUTION OF VERTEBRATES

Research Group: Biogeography and Evolution (Antonin Machac) Czech Academy of Sciences, Prague Web: https://machac.weebly.comStart date: January 2027

Why are some regions and climates megadiverse (e.g. tropical rainforests) while others are species-poor (e.g. deserts)? This classic question has fascinated biologists for decades, yet it remains largely unresolved.

The Fellow will investigate biodiversity patterns in tetrapod vertebrates ( 35,000 species of mammals, birds, amphibians and reptiles). The research will integrate phylogenies, geographic distributions and functional traits to study diversity patterns within geographic and climatic space. The Fellow will examine how the effects of time available for species accumulation, diversification rates, and energy limits together generate species diversity. The results will reveal how diversity patterns and their drivers change across regions, clades and scales. This knowledge is central to evolutionary theory and for predicting and conserving biodiversity.

*** WHAT THE POSITION OFFERS SCIENTIFICALLY

- Vertebrate dataset that is ready to use (phylogenies, maps, traits). The candidate can start analyzing from the first month. - High-quality publications within 12 months. For multiple pre-defined themes, preliminary results and scripts already exist. The Fellow can therefore realistically complete one or two manuscripts

within the contract, as the first author, and will be invited to team manuscripts as well. - The position is funded by a research grant that defines several themes. The candidate can choose their preferred theme and tailor it to their own interests. - Room for both safe and ambitious work. The pre-defined themes give secure outputs. The independent part allows a high-risk, high-reward project. - Conferences and travel budget. The Fellow has a dedicated budget for international conferences, collaborator visits, and publication fees. The Fellow will work with our partners at ETH Zurich, SBiK-F Frankfurt, UBC Vancouver and CMEC Copenhagen, and locally with David Storch, Petr Kohout and Petr Baldrian.

*** REQUIREMENTS

- PhD in Ecology, Evolution, Zoology or a related field, completed by the start date - Experience with statistics and R programming - Good publication record, good spoken and written English - Motivation for research at the interface of ecology, evolution and statistics Desirable, not required: - Experience with phylogeny-based research (phylogenetic comparative methods, diversification analyses), with spatial analysis, geographic information systems (GIS)

*** WE OFFER

- An international team and a workplace near the historical center of Prague - Salary that supports a comfortable life in Prague (twice the standard postdoc base salary at the Academy of Sciences) - Fully covered health insurance and six weeks of paid holiday - Social fund benefits: meal allowance, Cafeterie, Multi-Sport - Pension contribution, childcare and recreation support - Courses for professional development, free language courses - Open to applicants from outside the EU. The Institute's Welcome Office supports visa and work-permit applications and helps with relocation, housing and registration.

*** START DATE

The position is for 12 MONTHS, with the possibility of extension.

The start date is negotiable, ideally JANUARY 2027.

*** HOW TO APPLY

Please submit your CV, one-page motivation letter, and two contacts of reference to Antonin Machac (A.Machac@email.cz). The subject line of your email should state "Postdoctoral Fellow 2026". If you have any questions, please do not hesitate to ask.

Please apply before November 8th, 2026. Review of the submitted applications will begin immediately and will continue until the position has been filled, so we encourage you not to wait until the deadline. We can hire up to two postdocs, if strong candidates emerge. Once the position has been filled, the advertisement will be taken off the lab website (https://machac.weebly.com), where you can also find more information.

Dr. Antonin Machac Research Group in Evolution and Biogeography of Vertebrates Institute of Microbiology, Videnska 1083, Prague, CZ Email: A.Machac@email.cz Lab website: https://machac.weebly.com (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## IRBI CNRS UTours France Comparative Multi-omics of feather keratins

The Saranathan lab is looking to recruit an ambitious, highly motivated person with a background in quantitative biology (omics) or computational biology for a Postdoc position at the Research Institute for Insect Biology (IRBI) UMR 7261, CNRS/University of Tours, to study the structure-function relationships in feather keratins using multi-omic datasets (published and de novo). Our Evolutionary Photonics and Biomimetics group (https://vinodal.weebly.com) studies the intracellular self-assembly of photonic nanostructures primarily in insects and birds. We combine diverse experimental and numerical approaches from evolution and development to soft matter physics to better understand the biogenesis of hierarchical integumentary architectures including photonic crystals in order to eventually synthesize them in vitro for biomimetic engineered applications. We aim to fill the position starting on 15 November, although a later starting date is possible for a candidate who matches the profile well. The position is initially funded for one year, with the possibility of an extension for a further 2-year period. We have generous funding from the HFSP to push this project forward and opportunities for close collaboration at the University of Southern California (USC) and the University of Tokyo/RIKEN. Interested candidates should apply by October 28, 2026 solely via the CNRS job portal (https://emploi.cnrs.fr/Offres/Doctorant/UMR7261-AICBEL-055/Default.aspx?lang=EN) with a full CV including contact information for two references, and a brief statement of research interests. Informal enquiries are welcome! please email

saranathan@univ-tours.fr

Vinodkumar SARANATHAN CNRS Chaire de Professeur Junior en Biometisme Institut de Recherche sur la Biologie de l'Insecte (IRBI) UMR 7261 Centre National de la Recherche Scientifique (CNRS) / Universite de Tours Faculte des Sciences et Techniques Avenue Monge, Parc Grandmont 37200 Tours, FRANCE https://www.univ-tours.fr/saranathan (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Kiel Germany PhD C elegans natural ecology and evolution

Kiel, Germany - PhD position - Natural ecology and evolution of C. elegans Application deadline: 4 November 2026. The PhD position is for 3,5 years with a possible extension for another 6 months. It is based in the Schulenburg group (https://evoecogen-kiel.de/). The PhD project aims at understanding how the model nematode C. elegans interacts with other organisms in its natural environment, ranging from the interaction with microbes up to predators and parasites. C. elegans is one of the best studied model organisms in the life sciences, yet there is still very little understanding of its natural ecology, and especially the interaction with other organisms, even though this natural context sets the stage for full appreciation of the nematode's gene functions. Based on the observation of such interactions in nature, the project will then further study selected interaction types in the lab, taking advantage of the tools available for this model organism, thereby allowing us to generate new insights on the evolution as well as the genetic basis of ecologically relevant biotic interactions. The position will be integrated within the graduate school on Translational Evolutionary Research (https://transevo.de/), providing numerous opportunities for exchange with colleagues working on related topics. Necessary competences and qualifications: (i) Master of Science or equivalent. (ii) Master thesis or equivalent in the field of Evolutionary Biology or Genetics. (iii) Competences and experiences in experimental laboratory work with invertebrate animals. (iv) Competences in statistics. (v) English language skills at level C1. Beneficial competences: Competences and experience in (i) experimental research with the nematode C. elegans, (ii) performance of evolution experiments, (iii) genome sequence data analysis, (iv) advanced statistics, and (v) publication(s) from earlier research work. For enquiries regarding the position and research topic please contact Prof. Dr. Hinrich Schulenburg: hschulenburg@zoologie.uni-kiel.de Applications should be sent by email as a single PDF to Hinrich Schulenburg (hschulenburg@zoologie.uni-kiel.de). Applications should include: (1) A letter of motivation (max. 2 pages, Arial 11, line spacing 1.15). In your motivation letter, please explain how your background fits the required profile and how your research interests align with the group research focus. (2) Curriculum vitae. (3) Master certificate (or current grades transcript in case of ongoing studies).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Montpellier France Postdoc position on drug resistance evolution

Postdoc position on drug resistance evolution in Montpellier, France

I am looking for a postdoc to work on drug resistance evolution in malaria (P. faciparum) and E. coli bacteria.

What is the project?

The goal of the project is to uncover the rules that determine the dynamics of drug resistance in different pathogens. I use modeling techniques from ecology, evolution and epidemiology and publicly available data from surveillance programs and genomic databases. I work on various pathogens (HIV, E. coli and P. falciparum) to be able to compare and contrast. The postdoc will work on two of the three sub projects.

Sub project 1: Resistance to antimalarials in P. falciparum

This subproject focuses on resistance to mefloquine which is caused by a gene amplification of the Pfmdr-1 gene which is known to occur recurrently. However, despite the high rate of de novo evolution of resistance, resistance had not reached fixation in the population. The goal of this subproject is to determine the fitness cost of the amplification and determine whether this cost explains why it is not fixed. We will use publicly available sequencing data, determine amplifi-

cation breakpoints to identify independently evolved resistance alleles and infer the fitness cost of carrying the resistance alleles using phylogenetic approaches.

Sub project 2. Diversity of resistance in E. coli populations

It is known that for many drug-bacteria pairs, consumption levels of drugs correlate with resistance levels. We hypothesize that higher levels of resistance in countries with higher treatment levels are caused by more origins of resistant strains. We plan to test this hypothesis by determining diversity of resistant bacterial strains in different countries and at different time points using subsets of the Enterobase database which contains several hundred thousand E. coli genomes.

Sub project 3: Reusable machine learning models to predict drug resistance

Machine learning models to predict antibiotic resistance phenotypes are usually specific to one particular dataset. This limits their practical usefulness. We propose here to align genomes to a standardized reference pan-genome to capture information on SNPs and gene presence-absence in a standardized way. This means that a model that was trained on one dataset can be tested on new genomic data which will allow us to determine how generalizable the models are.

Why this is a great opportunity

* Because drug resistance evolution is a cool & important topic. * Because Montpellier is a great city (if you don't mind the heat in the summer). It has good & free public transport (though today the tram didn't go because of a demonstration / it's France!), reasonable bikability, more affordable than Amsterdam, Paris, San Francisco, with the beach nearby and fast trains to Paris and from there to London and Amsterdam. * Because you'll be part of an friendly, international team (https://eec.edu.umontpellier.fr/people/) with PhD students, postdocs and researchers from many different countries. The EEC team consists of around 20 people with 8 different nationalities. * I have lots of experience in bridging evolutionary biology and public health, I have published many times with students and postdocs, and I fully expect that the postdoc I hire will get a really nice publication (or 2) out of this. Because I have a research-only position I will have sufficient time to dedicate to supporting you / collaborating with you.

Practical info

The official ad is here: https://euraxess.ec.europa.eu/jobs/468402The postdoc position can start on the first of Nov 2026 (though I have never hired someone in France, so I honestly cannot guarantee that this timeline will actually work as planned). The contract has to end on Sept 30 2028. So best case this would be a job for 23 months. The ad says that "The net monthly salary is between EUR2,200 and EUR2,380" per month.

How to apply?

Send a 1-2 page cover letter that describes your motivation for the project and your experience in bioinformatics, your CV, a paper (or draft) written by you, and names and email addresses for three references to pleuni.pennings@umontpellier.fr. Only pdf's please! The deadline is Oct 25th but I will start reading applications on the 10th. Feel free to let me know ahead if you are planning to apply.

Skills/Qualifications

I am looking for a curious and motivated candidate with a PhD in biology or bioinformatics with skills in bioinformatics and sequence analysis and experience coding in Python or R or related languages. Other useful (not required) skills and interests would be modeling, simulations, evolutionary / population genetics, statistics, writing, reading primary literature, and public health.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## NationalMuseumNaturalHistory Insect pollinator comparative genomics

The National Museum of Natural History (NMNH) invites applicants for the position of Postdoctoral Researcher, as part of a project focused on mass digitization of insect pollinating species in the NMNH collections. As part of this project, the position will focus on insect pollinator comparative genomics.

This is a full-time, 2-year temporary appointment with full Smithsonian benefits to be filled at the IS-11 level, equivalent to Federal GS-11. The full position title is: Entomologist (Postdoctoral Research Fellow) IS-0414-11. Application deadline is October 8, 2026 with no exceptions allowed.

For details and application information, please see the job announcement below:

https://trustcareers.si.edu/en/postings/4c622f59-51d7-49a9-92e3-151f67c74da4 (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## NSCORE ColumbiaU NewYork ThreePositions

The National Synthesis Center for Organismal Biology (NSCORE) is hiring its inaugural cohort of Postdoctoral Fellow Research Scientists. Based in the Department of Ecology, Evolution and Environmental Biology at Columbia University, these three scientists will help further NSCORE's mission of merging organismal biology with computer science to build the field of computational organismal biology, and developing the AI tools and expertise needed to synthesize data–from molecules to individuals to ecosystems–and predict how organisms remain resilient in the face of change. Postdocs will spend half of their time working directly with one of NSCORE's first three working groups (https://nscore.columbia.edu/content/working-groups), and half of their time conducting independent synthesis science using existing organismal and environmental data under the mentorship of affiliated faculty. Applicants should demonstrate excellence in science with a strong publication record, evidence of independent scholarship, and experience working with and leading interdisciplinary teams of scientists. Postdocs will receive a generous salary, office space at NSCORE, a modest research and travel allowance, and access to compute resources. More information on the positions and how to apply can be found here: https://apply.interfolio.com/195688.

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Texas Biomed Cheeseman Lab-Primate Genomics

We are searching for a postdoctoral or staff scientist to study the consequences of genetic variation in pedigreed primate populations. The position will be based in the Southwest National Primate Research Center (SNPRC) Colony Management Unit, which supports and advises the SNPRC on its nonhuman primate (NHP) genomics resources and research activities.

Over the last 55 years, Texas Biomed has developed several large, pedigreed NHP colonies, including baboons, rhesus macaques, and marmosets. Animals within these pedigrees have been extensively characterized at both the genetic and phenotypic levels. The successful applicant will work closely with a team of investigators to conduct population and statistical genetic analyses, support the genetic characterization of NHP colonies, and develop breeding strategies to maintain genetic diversity.

Job Posting: https://recruiting.paylocity.com/Recruiting/Jobs/Details/4415229 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UClemson PostdocPosition Evolutionary Genomics

Clemson University postdoc position in evolutionary genomics in the CapituLab

The CapituLab focuses on understanding molecular mechanisms underlying evolution and development in the sunflower family (Asteraceae). The lab's interests span across diverse fields of plant biology. These include molecular and developmental biology, genomics, genetics, microscopy and comparative anatomy/morphology. We are a training focused lab centered around expanding skillsets of the members of our group as well as toolkits for the broader plant functional genetic community. For more information about the CapituLab, please visit the website https://www.thecapitulab.com/.Qualifications Applicants must have a Ph.D. degree in a relevant field. Candidates must also have a documented record of excellence in genomic research. The ideal candidate will have experience in plant molecular and genomic techniques (including common library preparation methods). Experience in advanced computational analyses with relevant programming language knowledge (i.e. command line, R, python, etc). Preferred: experience in HybSeq target capture methods. Possess a passion for teaching and managing students

at the bench

Reach out to Daniel Jones (dsj2@clemson.edu) if interested and apply here: https://apply.interfolio.com/192091 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## U Florida WiselyLab Postdoc position

We are seeking a highly motivated Postdoctoral Associate to join the laboratory of Samantha M. Wisely (https://wec.ifas.ufl.edu/people/wec-faculty/samantha-wisely/) for a research project investigating the landscape genetics and molecular ecology of Wild Turkeys (Meleagris gallopavo) in Florida. The successful candidate will lead genetic and genomic analyses designed to better understand the ecological and evolutionary processes influencing Wild Turkey populations across Florida. The project will integrate molecular data with spatial and ecological information to investigate patterns of genetic connectivity, population structure, dispersal, relatedness, and reproduction across heterogeneous landscapes. A major emphasis of the position will be the use of spatial and landscape genetic approaches to determine how environmental and anthropogenic landscape features influence gene flow and population connectivity. The project will also incorporate parentage and relatedness analyses to examine reproductive relationships and fine-scale patterns of movement and population structure. The successful applicant will join the Wisely Lab at the University of Florida, an interdisciplinary research group working at the interface of wildlife ecology, molecular ecology, conservation genetics, disease ecology, and wildlife management. Salary will be commensurate with qualifications and experience and consistent with University of Florida guidelines for Postdoctoral Associates. This is a term position for one year with the possibility for renewal for a second year. Please submit the following to wiselylab@ifas.ufl.edu 1. Cover letter describing research interests, relevant experience, and qualifications for the position. The cover letter should specifically describe the applicant's experience with population or landscape genetics, spatial analysis, and parentage/relatedness analysis. 2. Curriculum vitae. 3. Contact information for three professional references. 4. One representative peer-reviewed publication that best demonstrates the applicant's relevant research experience. Review of applications will begin November 15th and will continue until the position is filled. More information about the position can be found at the Texas A&M Natural Resources Job Board: https://jobs.rwfm.tamu.edu/view-job/?id=119101 (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## UGoettingen Germany Postdoc Evolutionary Genomics

At the University of Goettingen (Germany), GRK 2984 Evolutionare Genomics: consequences of biodiverse Reporductive systems, there is a position as Postdoc (all genders welcome) salary group 13 TV-L/100

This is a postdoc position in Evolutionary genomics and will be mainly engaged to guide and coordinate synthesis papers of the research training group, with a focus on genome interactions. The goal of our research training group, including 11 subprojects, is to analyze genome interactions in sexual and asexual organisms in animals, plants, fungi, and microorganisms. Our collaborative efforts will provide a better understanding of the "paradox of sex" in nature. The task of this postdoc will be to develop analysis pipelines, train PhD students in specific workshops and courses, and to develop overarching meta-analyses and joint papers, and present results in talks and at conferences. The postdoc will get ample opportunity to bring in own ideas into these joint papers, and will benefit from first authorships of these papers, from broadening methodical expertise, and by establishing scientific networks. Please see further details on the postdoc positions at https://uni-goettingen.de/de/events/687613.html , see second postdoc position, indicate your interest in your motivation letter.

Successful candidates will have a university degree in Biology or a related field and an outstanding Doctorate/PhD in Biology, with a focus on evolutionary genomics, or on microbiology, with experience with prokaryotic or organellar or virus genomes or mobile elements, experience in genomics, specifically with lateral gene transfer or reticulate evolution, proved by publications proven background in theory related to evolution of reproductive systems excellent command of sci-

entific English (oral and written, min. equivalent to C1), experience in guidance and training of students in evolutionary genomics, bioinformatics and biostatistics, experience in teamwork and in writing multi-authored papers.

Your application must include a letter of motivation, CV, lists of publications, transcripts of your PhD, and certificates of English language proficiency as pdf files. We offer an excellent research team on the Gottingen Campus, including a Center for National High Performance computing and an AI service center. Experience with innovative methods, networking and high-impact publishing within the RTG team will be gained. The University of Gottingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The University is particularly committed to the professional participation of severely disabled employees and therefore welcomes applications from severely disabled people. In the case of equal qualifications, applications from people with severe disabilities will be given preference. A disability or equality is to be included in the application in order to protect the interests of the applicant.

Please upload your application in one pdf file including the usual documents until 3rd Nov 2026 exclusively on the application portal of the university using this link: http://obp.uni-goettingen.de/de-de/OBF/Index/76693 . For more information get in touch with Elvira Horandl directly via E-Mail: elvira.hoerandl@biologie.uni-goettingen.de, Tel. +49 551 39 28540 . Please note: With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the Information General Data Protection Regulation (GDPR).

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## U St Andrews UK Postdoc Testing the Genetic Coupling Hypothesis of Speciation

Postdoc: Testing the Genetic Coupling Hypothesis of Speciation Applications are sought for a committed post-doctoral research fellow in evolutionary genomics to work on a 3-year project led by Prof Nathan Bailey at the University of St Andrews. The project tests one of the most prominent, but surprisingly under-studied, theories explaining rapid divergence via sexual trait-preference coevolution: the genetic coupling model of speciation. We will comprehensively test this model using ultra-high resolution genetic mapping, comparative genomics, and gene knockdown studies in the original group of organisms in which it was proposed: field crickets. The project involves collaborators Prof Michael Ritchie at the University of St Andrews, Prof Thomas Schmitt at the University of Wurzburg, and Prof Xiao Zhang at Tianjin Normal University. The primary duties will be to: 1. Perform fieldwork to collect multiple species of a well-studied southeast Asian field cricket genus, Teleogryllus 2. Further information and informal enquiries may be directed toSequence and annotate chromosomally contiguous reference genomes 3. Phenotype reproductive barrier traits including acoustic and chemical preferences 4. Perform ultra-high resolution genetic association mapping to identify reproductive barrier loci 5. Analyze the evolutionary history of barrier loci using comparative genomic approaches 6. Functionally validate candidates using gene knockdowns 7. Analyze data, write and submit manuscripts, and present at conferences

The successful applicant will have (or be near to completion of) a PhD in evolutionary biology/evolutionary genomics, with expertise in bioinformatic analysis of next-generation sequencing data and functional validation approaches. Experience with the following specific methods is desirable: genome assembly and annotation using long read, Hi-C, and transcriptome data; behavioural analysis of sexual traits and preferences; comparative genomics; RNAi, fieldwork. The post is available for 36 months starting 11th January 2027 or as soon as possible thereafter. Information enquiries can be directed to Nathan Bailey: nwb3@st-andrews.ac.uk. Full particulars can be found, and applications made, on St Andrews vacancies online portal (https://www.vacancies.st-andrews.ac.uk/Vac

ancies/W/1189/0/476081/889/post-doctoral-research-fellow-ar3357). Closing Date: 13 November 2026 Interview Date: 30 November 2026 Please Quote Ref: AR3357CM

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## U Tennesee Knoxville Postdoc Ancient DNA Evolutionary Genomics

Post Doctoral Research Associate- Ecology & Evolutionary Biology: UTK Knoxville, TN, United States

Job Description The successful candidate will develop and apply molecular and computational methods to identify the biological sources of DNA recovered from diverse sample types. The research will include the development of approaches to characterize DNA from complex, degraded, and potentially mixed-source samples. Sample types will include, but are not limited to, sedimentary (sedaDNA) and other ancient DNA recovered from archaeological contexts.

The research forms part of interdisciplinary projects that combine genomic analyses with perspectives from biocultural anthropology, species ecology, and related fields. The successful candidate will help integrate these approaches to investigate past and present relationships between people, other organisms, and their environments. The candidate will undertake laboratory work in both a state-of-the-art ancient DNA facility and a contemporary DNA laboratory. The position offers opportunities to develop and apply molecular methods, conduct bioinformatic analyses, and contribute to interdisciplinary research using ancient and contemporary DNA.

The anticipated start date is January 19, 2027, or as soon as possible thereafter. Funding is available for two years, contingent upon satisfactory performance and the continued availability of funding. The initial appointment will be for one year and will serve as a probationary period, with continuation subject to a successful performance review. During this time, there will also be opportunities to pursue additional grant funding to support continued appointment. The fellow will be expected to drive projects toward publication, contribute to grant development, and actively engage with the broader EEB community.

Responsibilities Develop molecular and bioinformatic methods for identifying biological sources of DNA in diverse sample types. Process and analyze ancient and contemporary metagenomic samples Contribute to establishing the contemporary DNA laboratory and developing molecular workflows. Order and oversee lab equipment and reagents for lab spaces. Mentoring graduate and undergraduate students. Contribute to manuscript preparation, conference presentations, and other research outputs. Contribute to grant applications and the development of future research projects.

Qualifications

Required Qualifications: Education: PhD in Evolutionary Biology or a closely related field. Experience: Experience conducting genomic research and large-data analysis. Strong background in genomics and bioinformatics. Experience designing experiments and collecting quantitative biological data Experience using Bash/Unix/Python for large-data processing Evidence of scientific productivity through peer-reviewed publications appropriate to career stage Excellent written and oral communication skills Interest in mentoring students and contributing to a collaborative laboratory environment Knowledge, Skills, Abilities: Demonstrated ability to work independently and collaboratively, communicate scientific findings effectively, manage research projects, and contribute to a positive laboratory environment.

Applicants must be legally authorized to work in the United States on a full-time basis without need now or in the future for sponsorship for employment-based visa status.

Preferred Qualifications: Experience working with metagenomic datasets and software Wet-lab experience conducting ancient and contemporary DNA analysis Familiarity with advanced molecular methodology, e.g., building single-stranded and double-stranded genomic libraries Experience working with/in High-Performance Computing Systems Experience managing independent research projects from conception to publication Interest in developing independent research questions related to animal decision making, cognition, and behavioral ecology

Work Location: Location: Knoxville, TN Onsite

Compensation and Benefits: Anticipated hiring range: $57,000-60,000

Application Instructions: Application link: https://fa-ewlq-saasfaprod1.fa.ocs.oraclecloud.com/

hcmUI/CandidateExperience/en/sites/CX_1/job/10563 Please send the following materials to Dr. Alida de Flamingh (adeflami@utk.edu): Curriculum vitae A cover letter that includes: The candidate's educational background and prior research experience, Current research focus and future research goals, including what topic(s) they hope to pursue as a postdoc in the WIGL Lab Perceived competencies and experience in relevant skills, including molecular wet-lab work, scientific writing, coding/bioinformatics, statistical analysis, and experimental methods, What they hope to gain from this position and how it will support their long-term development as a scientist

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## UWarsaw ParasiticProtistEvolution

Postdoctoral Position in parasitic protist diversity, ecology, evolution and interactions

We are looking for a postdoctoral researcher for a 3-year position in the Diversity, ecology, and interactions of Perkinsea parasitic protists in freshwater ecosystems PERKFresh project, funded by the Polish National Science Centre and the Czech Science Foundation and led by Dr Anna Karnkowska (University of Warsaw) and Dr Elisabeth Hehenberger (Biology Centre, Czech Academy of Sciences).

The PERKFresh project investigates the diversity, ecology, and host-parasite interactions of Perkinsea, a diverse and widespread group of unicellular eukaryotic parasites that are particularly abundant in freshwater ecosystems but remain poorly understood. We will study Perkinsea communities across lakes of the Masurian Lakeland in northeastern Poland, spanning environmental gradients from relatively pristine to strongly human-impacted habitats. The project will combine field sampling, long-read metabarcoding, CARD-FISH, network analyses, single-cell transcriptomics, phylogenomics, and laboratory infection experiments to determine which Perkinsea lineages occur in freshwater, what hosts they infect, how they interact with their hosts, and what ecological roles they play. By linking parasite diversity and abundance with environmental conditions and host populations, the project will provide new insights into the role of parasitism in freshwater ecosystems and how anthropogenic pressures may influence these interactions.

We are looking for a candidate with expertise in one or more of the following: - Protistology, parasitology or microbial eukaryotes - Environmental biology, freshwater ecology - Metabarcoding, environmental sequencing - Bioinformatics, statistical analysis of biological data

We are especially interested in candidates who enjoy working across field biology, molecular methods, bioinformatics and evolutionary ecology. You will join the Genomics and Evolution of Microbial Eukaryotes team led by Anna Karnkowska at the Institute of Evolutionary Biology, University of Warsaw.

Start: 1 January 2027 or later

Application deadline: 6 November 2026

Full job advertisement: https://euraxess.ec.europa.eu/jobs/466845 Project website: https://ibe.biol.uw.edu.pl/en/projects/perkfresh/ Please feel free to reach out with any questions at the email address listed below.

Anna Karnkowska Institute of Evolutionary Biology Biological and Chemical Research Centre University of Warsaw, Warsaw, Poland

Web Lab.: https://ibe.biol.uw.edu.pl/en/835-2/research-groups/eukaryotic-microorganisms/genomics-and-evolution-of-eukaryotic-microorganisms/ Anna Karnkowska ¡a.karnkowska@uw.edu.pl¿

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## UWarsaw Poland Postdoc Co-phylogeny and extinction modelling

Hi,

We have the following advertisement for a 2-year postdoc position at the University of Warsaw (Deadline: 10/11/2026): https://euraxess.ec.europa.eu/jobs/469223 Happy to provide more information.

All the best, Kenneth

– Dr. Hab. Kenneth De Baets Institute of Evolutionary Biology Faculty of Biology, University of Warsaw

Zwirki i Wigury 101 Warsaw 02-089 Poland

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## WarsawU Poland Postdoc position

The Institute of Evolutionary Biology, Faculty of Biology, University of Warsaw, invites applications for a full-time Postdoctoral Researcher / Assistant Professor position in the NCN-funded SONATA project "How changes in meristem patterning drive evolutionary innovations: insights from syncephalia in the sunflower family (Asteraceae)" PI: Dr Jakub Baczynski Location: University of Warsaw, Warsaw, Poland Expected start: March 2027 Duration: 12 months, with the possibility of extension for an additional 12 months Salary: approximately 8,700 PLN gross/month + 13th-month salary and seniority allowance Application deadline: 13 November 2026 The project investigates the evolutionary-developmental mechanisms underlying the formation of syncephalia ("heads of heads") in Asteraceae. We combine comparative genomics and developmental transcriptomics with morphological analyses, and in situ analyses of gene expression to understand how changes in meristem patterning generate evolutionary innovations and increased structural complexity in plants. We are looking for a researcher with a PhD in biological sciences or a related discipline and experience in one or both of the following areas: - plant evolutionary-developmental biology, including experience with techniques such as in situ hybridization, tissue culture optimization, plant regeneration and/or transformation; and/or - evolutionary research using comparative genomics and comparative transcriptomics of eukaryotes. Candidates should have a good publication record, international research experience, very good command of English, and the ability to work independently. Experience supervising students and research mobility are additional assets. The PhD must have been awarded in the year of employment or within the seven years preceding 1 January of the year of employment. If hired, the University of Warsaw must be the candidate's primary place of employment. Applications should be submitted by 13 November 2026 to both: j.baczynski@uw.edu.pl dziekanat.biol@uw.edu.pl Full English version of the call: https://drive.google.com/file/d/1Jr1HpVDtGIga-tbhcQ2CFd7QaQ2KtMXc/view?usp=sharingOfficial announcement (in Polish): https://bazaogloszen.nauka.gov.pl/oferta/adiunkt-26965/Interviews will be conducted in the second half of November 2026, and the results will be communicated by 4 December 2026. For questions about the position, project, eligibility, or application procedure, please contact Jakub Baczynski at j.baczynski@uw.edu.pl

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

# WorkshopsCourses

Crete EMBO Practical Workshop on Computational Molecular Evolution ....78
FUBerlin ProgrammingForEvolutionaryBiology-March2027 ....78
FUBerlin ProgrammingForEvolutionaryBiology-March2027 repost ....79
Online 3D-GeometricMorphometrics Nov9-13 ....79
Online Advanced Python for Data Science and Bioinformatics 3-6November ....80
Online ANCIENT DNA ANALYSIS ....80
Online Ancient DNA Analysis 26-30Oct ....81
Online Ancient Environmental Metagenomics 23-27 November ....82
Online Applied Spatial Statistics Using R Oct 26-Nov 6 ....82
Online BEAST2BayesianPhylogenetics Nov30-Dec11 82
Online course on the Analysis of DNA Methylation 83
Online Deep Learning for biologists 23-27November 83
Online EvaluatingSDMs Oct20 ....83
Online Evolutionary Biology Crash Course Dec 7-18 84
Online Evolution of Cell Types 19-22January ....84
Online Genome-Wide Association Studies GWAS for Evolutionary Biology Nov9-13 ....84

Online Genomic Data Visualisation with R 14-16December ..... 85
Online Hierarchical Generalized Additive Models in R Feb 8-11 ..... 86
Online Interpreting Regression Models Reading Between the Logs Oct 21 ..... 86
Online Introduction to Snakemake 30 Nov-3 Dec .. 87
Online JOINT SPECIES DISTRIBUTION MODELLING USING HMSC ..... 87
Online Learning Statistics with R 18-21January ... 88
Online Macroevolution Using Phylogenies Jan11-20 88
Online Metabolomics with R-Bioconductor 16-20 November ..... 88
Online METAGENOMIC DATA ANALYSIS OF MICROBIAL COMMUNITIES ..... 89
Online Metagenomic Data Analysis of Microbial Communities 26-30Oct ..... 90
Online MethylationAnalysis Nov 17-19 ..... 91
Online MicroRNA Annotation and Small RNA-Seq Analysis 23-26November ..... 91
Online Modern Causal Inference Methods Europe UK Oct 28 ..... 92
Online Modern Causal Inference Methods Oct15-16 92
Online Multilevel and Mixed Models with AI Oct7-9 92
Online Multivariate Analysis of Ecological Communities Using VEGAN 2-6Nov ..... 92
Online Museomics 8-12 February ..... 93
Online Nanopore Direct RNA Sequencing 14-17December ..... 94
Online Network Analysis for Ecological Data Nov5-6 94
Online Network Modeling Static and Dynamic Methods Dec9-11 ..... 95
Online Phylogenomics 30November-4December .... 95
Online Population Genomics with low-coverage Whole Genome Sequencing data 26-29October ..... 96
Online RNAseq Analysis Nov-9-16-30 ..... 96
Online Sex Chromosome Evolution 12-16October .. 96
Online Single-cell RNA-seq 16-20 November ..... 97
Online Spatial Proteomics Data Analysis R-Bioconductor 10-12Nov ..... 97
Online Spatial transcriptomics with R Bioconductor 14-18December ..... 97
Online Statistical Foundations of Data Science with R Oct19-23 ..... 98
Online Structural Equation Modeling with AI Sep30-Oct2 ..... 98
Online Transposable Elements 2-6November ..... 98
Online Virus Diversity Emergence and Pandemic Prevention Free Seminar Oct 14 ..... 99
Online Writing Your First Paper Free Seminar Oct5-6 99
Spain Evolution course Jan2027 ..... 99
U Autonoma de Madrid Spain December 14-17th 2026 100
U Autonoma de Madrid Spain New Technologies for Developmental Evolutionary Biology Studies December14-17 ..... 101

## Crete EMBO Practical Workshop on Computational Molecular Evolution

Dear Colleagues,

This is a reminder that the application deadline for 2027 EMBO Practical Workshop on "Computational Molecular Evolution" 9-20 May 2027, Heraklion, Greece is 2 November 2026.

Further info is available at the workshop web site: https://meetings.embo.org/event/27-comp-mol-evolution Thanks and best wishes,

The organizers: Alexandros Stamatakis Aglaia (Cilia) Antoniou Adam Leache Ziheng Yang

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## FUBerlin ProgrammingForEvolutionaryBiology-March2027

Course on Programming for Evolutionary Biology

When: March 5th - 22nd 2027

Location: Berlin, Germany

Detailed information about the course content and how to apply: https://www.evop-bioinf.de/ Founded in 2012, our well established course is back with established and novel content! In this intensive 16 days course, students will learn how to survive in a Linux environment, get hands-on experience in two widely used programming languages (Python and R), and statisti-

cal data analysis. The classes will be given by experts in the field and consist of lectures and exercises with the computer. The aim of the course is to provide the students with the necessary background and skills to perform computational analyses with a focus on solving research questions related to genomics and evolution. The philosophy of the course will be "learning by doing", which means that the computational skills will be taught using examples and real data from evolutionary biology for the exercises. During the course, students will also propose projects of their own interest and perform them as final projects in small groups under the supervision of a teaching assistant. This course is open for students from all countries and targeted toward PhD students and postdocs of evolutionary biology or related research fields with no or little programming experience who want to become proficient in computational evolutionary biology in a couple of weeks.

The course takes place at the Free University of Berlin. For any questions related to the course, please send an email to: info@evop-bioinf.de

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## FUBerlin ProgrammingForEvolutionaryBiology-March2027 repost

Course on Programming for Evolutionary Biology

When: March 5th - 22nd 2027

Location: Berlin, Germany

Extended deadline for application: November 8th, 2026

Detailed information about the course content and how to apply: https://www.evop-bioinf.de/ Founded in 2012, our well established course is back with established and novel content! In this intensive 16 days course, students will learn how to survive in a Linux environment, get hands-on experience in two widely used programming languages (Python and R), and statistical data analysis. The classes will be given by experts in the field and consist of lectures and exercises with the computer. The aim of the course is to provide the students with the necessary background and skills to perform computational analyses with a focus on solving research questions related to genomics and evolution. The philosophy of the course will be "learning by doing", which means that the computational skills will be taught using examples and real data from evolutionary biology for the exercises. During the course, students will also propose projects of their own interest and perform them as final projects in small groups under the supervision of a teaching assistant.

This course is open for students from all countries and targeted toward PhD students and postdocs of evolutionary biology or related research fields with no or little programming experience who want to become proficient in computational evolutionary biology in a couple of weeks.

The course takes place at the Free University of Berlin. To apply and for any questions related to the course, please send an email to: info@evop-bioinf.de

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online 3D-GeometricMorphometrics Nov9-13

Dear colleagues, Those that work on biological shape and its evolution might be interested in the Transmitting Science course "3D Geometric Morphometrics". Course webpage: https://www.transmittingscience.com/courses/geometric-morphometrics/3-d-geometric-morphometrics/ Course overview: This course provides a hands-on introduction to the basic workflow of geometric morphometrics, with a strong emphasis on the analysis of 3D data. Practical sessions will be primarily conducted using 3D Slicer and R, guiding participants through each stage of the process, from 3D image acquisition and processing to data collection, statistical analysis, and interpretation of results. Through a combination of participatory lectures and practical exercises, participants will develop a conceptual and technical understanding of how biological shape can be quantified and analysed in a rigorous, reproducible framework. Highlights: - 3D image acquisition methods - 3D image processing - Collecting morphometric data - Deriving shape variables - Multivariate analysis of shape and size - 3D visualisation of shape variation For queries, please write to courses@transmittingscience.com. Best regards, Haris – Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com (to manage your EvolDir subscription: https://evol

dir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Advanced Python for Data Science and Bioinformatics 3-6November

Dear all, We are pleased to announce our upcoming Advanced Python for Data Science and Bioinformatics course, taking place online on 3-6 November.

Course website: https://www.physalia-courses.org/courses-workshops/advanced-python/ This four-day hands-on course is designed for biologists and life scientists with basic Python experience who want to strengthen their programming and data science skills.

Topics include intermediate Python, BioPython, data wrangling with Pandas, data visualization, and machine learning, with a final project bringing the different approaches together in a complete bioinformatics workflow.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best wishes, Carlo

– Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online ANCIENT DNA ANALYSIS

ANCIENT DNA ANALYSIS: EVOLUTIONARY HISTORY, POPULATION GENETICS AND GENOMIC BIOINFORMATICS (ADNA01) Only 4 places left! 26-30 October 2026 Instructor: Dr Nikolay Oskolkov Ancient DNA (aDNA) has transformed our understanding of evolutionary history, revealing how populations have migrated, diverged, adapted, and interacted over thousands of years. From reconstructing ancestral relationships and historical gene flow to investigating past biodiversity and evolutionary change, ancient genomics provides powerful insights into the processes shaping biological diversity. This five-day, hands-on course introduces the computational methods and bioinformatics workflows used to analyse ancient genomic and metagenomic datasets, with particular emphasis on population genetics, ancestry inference, evolutionary relationships, and reconstructing population history. Using real ancient DNA datasets and widely adopted bioinformatics tools, participants will learn to: Process and quality-control ancient DNA sequencing data, including adapter trimming, read merging, and sequence alignment. Identify DNA degradation, post-mortem damage, and modern contamination to authenticate ancient genomic sequences. Analyse low-coverage ancient genomes using genotype likelihoods and probabilistic variant calling with ANGSD. Investigate historical population structure using PCA, t-SNE, and UMAP. Infer genetic ancestry and population admixture using ADMIXTURE and STRUCTURE. Apply F-statistics and D-statistics to investigate historical gene flow, admixture, and population relationships. Analyse ancient metagenomic datasets to investigate historical microbial diversity and composition. Develop reproducible workflows connecting raw ancient DNA sequencing data to evolutionary and population genetic interpretation. Applications to evolutionary biology The methods taught are particularly relevant to researchers investigating population divergence, historical migration, genetic ancestry, admixture, and evolutionary relationships among ancient populations. Potential applications include reconstructing past population structure, investigating historical gene flow between diverging lineages, examining genetic changes through time, and understanding how ancient genomic evidence contributes to our knowledge of evolutionary and population history. Who should attend? Evolutionary biologists, population geneticists, archaeogeneticists, evolutionary genomicists, molecular ecologists, bioinformaticians, and researchers working with ancient genomic data. The course is also suitable for PhD students and postdoctoral researchers wishing to develop practical skills in ancient DNA bioinformatics and population genetic analysis. A basic understanding of genetics and molecular biology, together with some familiarity with command-line computing, is recommended. Previous experience with next-generation sequencing data is beneficial but not essential. Course format: Five days of live online lectures and practical exercises, with 30 days of access to session recordings and post-course email support. Full course details and registration: https://prstats.org/course/ancient-dna-analysis-adna01/Please feel free to share this course with colleagues, students, research groups, laboratories, institutes, and wider evolutionary biology,

population genetics, and genomics research networks who may find it useful. PR Stats — Specialist Training in Statistics, Ecology and Bioinformatics https://prstats.org (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Ancient DNA Analysis 26-30Oct

Ancient DNA Analysis (ADNA01) - Applications for Evolutionary Biology https://prstats.org/course/ancient-dna-analysis-adna01/ Delivered by Dr Nikolay Oskolkov, a bioinformatician, computational biologist and data scientist with extensive experience in genomics, metagenomics, population genomics and ancient DNA analysis. Learn how to analyse ancient DNA (aDNA) and ancient metagenomic datasets, from raw sequencing reads through quality control, authentication and contamination assessment to population structure, ancestry and evolutionary interpretation. Ancient DNA provides evolutionary biologists with a unique opportunity to investigate biological change directly through time. Ancient genomic data can reveal changes in population structure, ancestry, migration, admixture and gene flow, allowing evolutionary hypotheses to be investigated using genetic information recovered from historical and ancient material.

What you'll gain Understand the principles of ancient genomics and ancient metagenomics Understand DNA degradation, low sequencing coverage and post-mortem damage Perform quality control, adapter trimming and read merging using fastp Align ancient DNA reads using BWA and Bowtie2 Perform taxonomic profiling of ancient metagenomic datasets using Kraken and sourmash Identify, evaluate and mitigate modern contamination Authenticate ancient DNA using characteristic damage patterns Use mapDamage and PMDtools Work effectively with low-coverage ancient sequencing data Use genotype likelihoods and probabilistic variant calling with ANGSD Analyse population structure using PCA, t-SNE and UMAP Infer ancestry using ADMIXTURE and STRUCTURE Use population-genetic approaches to investigate evolutionary history Understand and apply F2, F3 and F4 statistics Use D-statistics / ABBA-BABA to investigate gene flow and introgression Investigate ancestry, migration, admixture and population relationships Develop complete workflows from raw ancient sequencing data to evolutionary interpretation

Course format Dates: 26-30 October 2026 Duration: 5 days, 25 hours total Format: Live online Combination of theoretical instruction and hands-on computational analysis Practical analysis of ancient genomic datasets R/RStudio and Python/Jupyter used alongside specialist bioinformatics tools All sessions recorded 30 days' access to recordings 30 days of post-course email support Course fee: GBP400

Who is this course for? The course is particularly relevant to students and researchers working in: Evolutionary biology Evolutionary genomics Population genetics and population genomics Ancient DNA and palaeogenomics Molecular evolution Human evolution Archaeogenetics Phylogeography Admixture and introgression Population history and demographic change Conservation and evolutionary genetics Ancient metagenomics It is particularly useful for researchers interested in using genomic information to reconstruct population relationships, ancestry, migration, admixture, gene flow and evolutionary change through time. Participants should have a basic understanding of genetics and molecular biology and some familiarity with command-line computing and bioinformatics. Previous experience with next-generation sequencing is useful but not essential.

Why take this course? Most evolutionary genomic studies infer historical processes from genetic variation observed in living populations. Ancient DNA adds a temporal dimension, allowing researchers to analyse individuals and populations that existed at different points in evolutionary history. This can substantially improve our understanding of processes such as population turnover, migration, admixture, introgression and changing population structure. Rather than relying exclusively on present-day genetic patterns, ancient genomes can provide direct evidence of populations and genetic relationships that may no longer exist in modern samples. The course combines the specialist challenges of working with ancient DNA – including degradation, contamination, post-mortem damage and low sequencing coverage – with population-genomic methods for evolutionary inference. Approaches including ANGSD, PCA, ADMIXTURE, STRUCTURE, F-statistics and D-statistics allow participants to move from authenticated ancient sequence data to questions concerning ancestry, population history, gene flow and evolutionary relationships. For evolutionary researchers, this provides a practical workflow connecting ancient genomic data processing with population genetics and evolutionary inference. Please feel free to share this course with colleagues, friends, research groups, labs, and others within your institute, organi-

sation, or wider research network.

Learn more & enrol Ancient DNA Analysis (ADNA01) https://prstats.org/course/ancient-dna-analysis-adna01/Questions?

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Online Ancient Environmental Metagenomics 23-27 November

PR Stats is pleased to announce an upcoming live online course on Ancient Environmental Metagenomics (AEMG01). https://prstats.org/course/ancient-environmental-metagenomics-aemg01/This course provides practical training in the bioinformatic analysis of ancient environmental DNA (eDNA), with a focus on metagenomic workflows, taxonomic profiling and genomic analysis of historical biological communities. The course is particularly relevant to researchers working in evolutionary biology, palaeogenomics, population genetics, palaeoecology and environmental genomics, including those investigating past biodiversity, species distributions, evolutionary change and the responses of biological communities to historical environmental change. Topics include: - Processing and analysing ancient environmental DNA datasets - Bioinformatics workflows for ancient metagenomic data - Taxonomic identification and community profiling - Genomic analysis and interpretation of ancient environmental samples - Applications to evolutionary and ecological research

Course details and registration: https://prstats.org/course/ancient-environmental-metagenomics-aemg01/We would be grateful if you could share this announcement with colleagues, students and research groups who may be interested. Best wishes, PR Stats https://prstats.org (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Applied Spatial Statistics Using R Oct 26-Nov 6

Hello EVOLDIR members

A reminder - Develop methods for relating geographic patterns to evolutionary and genetic evidence. Applied Spatial Statistics Using R is a 2-day seminar livestreaming October 26 and November 6 with Arnab Hazra (Indian Institute of Technology Kanpur) and Suman Majumder (Indian Statistical Institute). Variograms, spatial prediction, and autocorrelation analysis offer practical approaches for examining geographically structured genetic and evolutionary data in R. Researchers can model dependence, assess uncertainty, and diagnose whether a chosen spatial model adequately represents observed patterns. The methods can support transparent analyses of variation across locations and clearer interpretation of spatial evidence.

Details and registration: Further information is available on the seminar page.

Best wishes

Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online BEAST2BayesianPhylogenetics Nov30-Dec11

Dear colleagues, There are a few remaining spots on the Transmitting Science course "Bayesian phylogenetic inference with BEAST2". Registration and more information: https://www.transmittingscience.com/courses/evolution/bayesian-phylogenetic-inference-with-beast2/Course Overview: Bayesian phylogenetic inference is a powerful tool for reconstructing phylogenies while accounting for complex evolutionary dynamics.

In this workshop, participants will learn the theoreti-

cal concepts underlying the different models involved in Bayesian phylogenetic inference, and get hands-on experience using these models in BEAST2.

Particular attention will be given to more complex tree models, such as the fossilized birth-death model used to integrate past information into phylogenies, as well as rate-heterogeneous models which allow for variations in evolutionary dynamics across clades. Finally, the course will give practical information on setting up and troubleshooting analyses in BEAST2. For queries, please contact courses@transmittingscience.com. Best wishes, Haris – Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online course on the Analysis of DNA Methylation

Dear all, I teach an online seminar on the bioinformatic Analysis of DNA Methylation, available for replay: https://instats.org/seminar/analysis-of-dna-methylation-20-1 Please do not hesitate to contact me if you have any question. Best wishes, – Aline Muyle CNRS researcher Website https://sites.google.com/view/muyle-lab/homeEquipe Strategies Reproductives des Plantes (SRP) Batiment 22, Institut des Sciences de l'Evolution de Montpellier (ISEM) Universite de Montpellier, campus Triolet, cc065 2 Place Eugene Bataillon 34095 Montpellier cedex 05 France ISEM Webpage https://isem-evolution.fr/en/membre/muyle/Researchgate https://www.researchgate.net/profile/Aline_MuyleLinkedin https://www.linkedin.com/in/aline-muyle-07157170/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Deep Learning for biologists 23-27November

Dear all, There's still time to join us for Introduction to Deep Learning for Biologists, an online course taking place 23-27 November!

Course website: https://www.physalia-courses.org/courses-workshops/course67/

Discover the fundamentals of deep learning and learn how to apply predictive models to biological data through expert-led lectures and hands-on practical sessions. Explore classification, regression, image segmentation, and applications to -omics data, with guidance from experienced instructors.

Whether you're new to deep learning or looking to strengthen your skills, this course will help you bring AI-powered approaches into your biological research.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/

Best regards, Carlo ———— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online EvaluatingSDMs Oct20

Dear colleagues, Transmitting Science is offering the course "Evaluating and Validating Species Distribution Models with R". Course webpage: https://www.transmittingscience.com/courses/ecology/evaluating-and-validating-species-distribution-models-with-r/ The aim of this course is to introduce you to evaluation and validation methods for species distribution models (SDMs) using R. The course will cover a wide range of model-evaluation metrics (discrimination, classification, explanatory power, calibration), and validation methods including spatial block cross-validation

outside the training area.

Outcomes from these methods can be directly applied on wide spectrum of evolutionary studies. For any questions, please write to courses@transmittingscience.com Best regards, Haris – Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Evolutionary Biology Crash Course Dec 7-18

Dear colleagues, We are pleased to announce that the fifth edition of the Evobio Crash Course is happening online from December 7 to December 18, 2026. For this edition, we have prepared an incredible line up of classes and tutorials from researchers in the field!

The course is open to all and completely free. Our mission is to make evolutionary biology a more inclusive, representative and accessible field by increasing our participant's chances of accessing top master's programmes.

For more information and registration, visit our website at evobiocrashcourse.github.io

We would be grateful if you could circulate this announcement to anyone who may be interested.

With best wishes, The Evobio Crash Course team

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Evolution of Cell Types 19-22January

Dear all, Registrations are now open for our online course Evolution of Cell Types: Integrating Comparative Genomics and Single-Cell Transcriptomics, taking place 19-22 January 2027.

Course website: https://www.physalia-courses.org/courses-workshops/evolution-of-cell-types/ Learn how to combine gene-family evolution and single-cell RNA-seq to investigate the evolution of cell types across species. Through guided, hands-on practical sessions, you'll explore orthology inference, gene-family phylogenetics, cell annotation, and cross-species comparisons using Seurat and SAMap.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo

– Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Genome-Wide Association Studies GWAS for Evolutionary Biology Nov9-13

Genome-Wide Association Studies (GWAS) for Evolutionary Biology (GWAS01) https://prstats.org/course/genome-wide-association-studies-gwas-for-evolutionary-biology-gwas01/9-13 November Delivered by Dr Nikolay Oskolkov, a bioinformatician and computational biologist specialising in genomics, population genetics, bioinformatics, statistical modelling and computational biology. Learn how to conduct Genome-Wide Association Studies (GWAS) to identify genetic variants associated with complex biological traits, using practical computational workflows for genomic data processing, quality control, association testing, population structure analysis and interpretation of genomic results. For evolutionary biologists, GWAS provides powerful approaches for investigating the genetic architecture of complex traits, genotype-phenotype relationships, adaptive variation and the genomic basis of phenotypic diversity. These methods are particularly valuable for researchers working in evolutionary genomics, population genetics, quantitative genetics and molecular evolution, where understanding the relationship between genetic variation and complex traits can provide insights into evolutionary processes, population differentiation and adaptation. This comprehensive five-day course combines theoretical instruction with hands-on analysis of genomic

datasets, providing participants with practical skills for designing, conducting and interpreting GWAS analyses. What you'll gain Understand the principles of Genome-Wide Association Studies (GWAS) and their applications in evolutionary research Explore genetic variation and the genomic architecture of complex traits Understand major genomic reference resources, including HapMap, the 1000 Genomes Project, HGDP and ERGA Understand genotype phasing and imputation Use PHASEIT2 and IMPUTE2 for phasing and genotype imputation Perform genotype quality control, including Hardy-Weinberg equilibrium testing, SNP call-rate filtering and minor allele frequency thresholds Conduct genome-wide association testing using PLINK and SNPTEST Apply linear and logistic association models Understand covariate adjustment and genome-wide significance thresholds Perform GWAS meta-analysis using GWAMA and METAL Process next-generation sequencing data using GATK Understand sequence alignment, duplicate handling, base quality score recalibration and variant calling Apply permutation testing and conditional association analyses Explore computational strategies for large genomic datasets Visualise association results using Manhattan plots and LocusZoom Use Principal Component Analysis (PCA) to investigate population structure Understand how population structure can confound genotype-phenotype associations Construct and validate polygenic risk scores Explore missing heritability, rare variants, gene-gene interactions and gene-environment interactions Develop reproducible workflows for analysing genomic variation and complex traits Course format Dates: 9-13 November 2026 Duration: 5 days, 5 hours per day - 25 hours total Format: Live online Combination of theoretical lectures and hands-on computational exercises Practical analysis using R, Python and specialist genomic software Computational exercises using Google Colab and Posit Cloud Course code, datasets and presentation materials provided All sessions recorded 30 days' access to recordings 30 days of post-course email support Digital certificate of attendance Course fee: GBP400 Who is this course for? This course will be particularly relevant to researchers and postgraduate students working in: Evolutionary genomics Population genetics and genomics Quantitative genetics Molecular evolution Evolutionary biology Adaptive evolution Genotype-phenotype associations Genetic architecture of complex traits Population differentiation Evolutionary ecology Conservation and evolutionary genetics Comparative genomics Bioinformatics and computational biology It is particularly valuable for researchers interested in understanding how genetic variation contributes to phenotypic diversity and complex traits, and how genome-wide association methods can be used to investigate the genetic basis of variation within and among populations. Participants should have a basic understanding of genetics, molecular biology and statistics, together with some familiarity with R and command-line computing. Previous experience with genomic datasets or population genetics is beneficial but not essential. Why take this course? Understanding the genetic basis of phenotypic variation is a central objective of evolutionary biology. Many traits associated with adaptation, fitness, morphology, physiology and life history are influenced by variation across multiple regions of the genome.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Online Genomic Data Visualisation with R 14-16December

Dear all,

We are pleased to announce our upcoming Genomic Data Visualisation with R course, taking place online on 14-16 December.

Course website: https://www.physalia-courses.org/courses-workshops/genomic-data-viz-r/

This practical course covers some of the most useful visualisation techniques in genomics, using R and Bioconductor. Over three days, participants will work with plots for gene expression, genome statistics, metagenomics, comparative genomics, phylogenetics, synteny, and pangenomics.

Topics include volcano plots, PCA and t-SNE, heatmaps, pathway visualisation, Manhattan plots, phylogenetic trees, Venn and UpSet plots, ideograms, synteny plots, and pangenome graphs.

The course is aimed at researchers with basic familiarity with R who want to improve their ability to visualise and communicate genomic data.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops

Best wishes, Carlo ———— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Hierarchical Generalized Additive Models in R Feb 8-11

PR Stats is pleased to announce an upcoming live online course that may be of interest to researchers working in evolutionary biology, evolutionary ecology, comparative biology and related disciplines. Hierarchical Generalized Additive Models for Biological Sciences (HGAM01) Dates: 8-11 February 2027 Duration: 22 hours (4 days) Format: Live Online via Zoom Instructor: Dr Gavin Simpson Course Fee: GBP400 Evolutionary and ecological datasets frequently contain complex nonlinear relationships and hierarchical structures, with responses varying between species, populations, individuals or environmental conditions. Hierarchical Generalized Additive Models (HGAMs) provide a flexible framework for analysing these relationships, allowing researchers to estimate shared nonlinear trends while accommodating group-specific responses and variation. This practical course will introduce participants to fitting, evaluating and interpreting HGAMs in R using the mgcvpackage, with applications to biological and environmental datasets. Topics covered include: Modelling nonlinear relationships using GAMs. Shared and group-specific smooths across populations, species or experimental groups. Factor-smooth interactions and hierarchical GAM structures. Random effects, smoothing penalties and partial pooling. Modelling variation in responses between groups. Model diagnostics, inference and uncertainty. Visualising and interpreting complex nonlinear relationships. Who should attend? The course is suitable for PhD students, postdoctoral researchers and professionals working in evolutionary biology, evolutionary ecology, comparative biology, population biology and related disciplines who need to analyse nonlinear relationships in grouped or hierarchical datasets. Participants should have some experience with R and regression modelling. Previous familiarity with GAMs is strongly recommended. Recordings and course materials All sessions will be recorded and made available to participants, allowing researchers in different time zones to follow the course. R scripts, datasets and supporting course materials will also be provided. Full course details and registration: https://prstats.org/course/hierarchical-generalized-additive-models-for-biological-sciences-hgam01/We would be grateful if you could share this announcement with colleagues, students, research groups, institutes or others who may be interested. Best wishes, Oliver Hooker Managing Partner PR Stats https://prstats.org (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Interpreting Regression Models Reading Between the Logs Oct 21

Hello EVOLDIR members

A reminder - Clear coefficient interpretation matters when evolutionary effects operate on relative scales. Interpreting Regression Models: Reading Between the Logs is a seminar livestreaming October 21 with Ken Gerow (Institute for Statistical and Data Science). Interpret logged regression coefficients as percentage changes, proportional effects, and elasticities in evolutionary and genetic analyses. Distinguish outcome-logged, predictor-logged, and fully logged specifications while assessing confidence intervals for transformed effects. Use these interpretations to report associations in trait, population, or genetic studies with statistical clarity.

Details and registration: Please circulate this reminder if it is relevant to colleagues or students.

Best wishes

Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Introduction to Snakemake 30 Nov-3 Dec

Introduction to Snakemake (SNKM03) - Live Online Course — PR Stats https://prstats.org/course/introduction-to-snakemake-snkm03/PR Stats is pleased to announce an upcoming live online course on Introduction to Snakemake, taking place 30 November - 3 December 2026. Snakemake is a powerful workflow management system that enables researchers to automate complex data analysis pipelines, improve reproducibility and efficiently manage computational tasks. This practical course introduces participants to building, running and managing reproducible workflows, with applications across bioinformatics, genomics, ecology, environmental science and computational research. Topics include: - Introduction to Snakemake and workflow automation - Building reproducible data analysis pipelines - Managing dependencies and computational tasks - Organising and scaling complex workflows - Improving efficiency, reproducibility and collaboration in research

Course details: - Dates: 30 November - 3 December 2026 - Format: Live online - Duration: 4 days, 3 hours per day - Registration fee: GBP350

Further information and registration: https://prstats.org/course/introduction-to-snakemake-snkm03/We would be grateful if you could share this announcement with colleagues, students or research groups who may be interested. Best wishes, PR Stats https://prstats.org (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online JOINT SPECIES DISTRIBUTION MODELLING USING HMSC

JOINT SPECIES DISTRIBUTION MODELLING (JSDM) USING HMSC: A HIERARCHICAL MODELLING APPROACH IN R (JSDM01) Only 2 places left! 26-29 October 2026 Instructor: Dr Bastien Parisy, University of Helsinki, Finland Understanding how evolutionary history, species traits, and environmental conditions shape ecological communities is a central challenge in evolutionary ecology. Joint Species Distribution Models (JSDMs) provide a powerful framework for investigating multiple species simultaneously, linking community composition to environmental gradients, functional traits, and phylogenetic relationships. This four-day, hands-on course introduces Hierarchical Modelling of Species Communities (HMSC), a flexible Bayesian framework for analysing multi-species ecological data in R. Using ecological datasets and practical exercises, participants will learn to: Build and fit hierarchical joint species distribution models in R. Incorporate phylogenetic relationships to investigate evolutionary patterns in species' environmental responses. Integrate functional traits to explore trait-environment relationships and community assembly. Examine phylogenetic and functional patterns in species distributions and co-occurrence. Investigate how environmental gradients shape species assemblages. Incorporate spatial and temporal structure into hierarchical models. Assess model convergence, predictive performance, and uncertainty. Visualise and interpret species-level and community-level responses. Applications to evolutionary ecology The methods taught are particularly relevant to researchers investigating phylogenetic niche conservatism, functional trait evolution, community assembly, environmental filtering, and the ecological consequences of evolutionary history. Potential applications include examining whether closely related species exhibit similar environmental responses, investigating how functional traits influence species distributions, exploring phylogenetic patterns in community composition, and understanding how ecological communities are structured across environmental gradients. Who should attend? Evolutionary ecologists, community ecologists, functional ecologists, phylogeneticists, biodiversity researchers, and scientists interested in the relationships between evolutionary history, species traits, and ecological community structure. The course is also suitable for PhD students and postdoctoral researchers seeking to integrate phylogenetic and trait-based information into multi-species ecological models. Course format: Four days of interactive lectures and practical exercises using R. All sessions are recorded, with 30 days of access following the course. Full course details and registration: https://prstats.org/course/joint-species-distribution-modelling-jsdm01/Please feel free to share this course with colleagues, students, evolutionary ecology research groups, laboratories, institutes, and wider evolutionary biology and ecological research networks who may find it useful. PR Stats —

Specialist Training in Statistics, Ecology and R https://prstats.org (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Learning Statistics with R 18-21January

Dear all,

Registrations are now open for our online course "Learning Statistics with R", taking place 18-21 January 2027!

Course details and registration: https://www.physalia-courses.org/courses-workshops/fmc/

This beginner-friendly, hands-on course introduces statistical analysis using R, covering: - Data exploration and visualisation with tidyverse and ggplot2

- Descriptive statistics and hypothesis testing

- P-values, confidence intervals, and statistical inference

- Regression, ANOVA, and linear models

- Generalised linear models and mixed models

No previous experience in statistics, programming, or R is required!

Learn to go beyond running analyses and truly understand your data and results.

Explore all our courses and workshops: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo

---

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Macroevolution Using Phylogenies Jan11-20

Dear colleagues, Registration is open for the Transmitting Science live online course "Introduction to Macroevolutionary Analyses Using Phylogenies". https://www.transmittingscience.com/courses/evolution/introduction-macroevolutionary-analyses-using-phylogenies/Phylogenetic trees allow us to gain a deep-time perspective on processes such as diversification and trait evolution. This course introduces participants to the use, modification and representation of phylogenetic trees, and to using phylogenetic information to reconstruct ancestral characters and biogeographic histories with phylogenetic comparative methods. Participants will also learn to model trait evolution, assess phylogenetic signal, and estimate diversification rates. For queries, please write to courses@transmittingscience.com. Best regards, Haris - Haris Saslis, PhDCourse Coordinator Transmitting Science www.transmittingscience.com (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Metabolomics with R-Bioconductor 16-20 November

Dear all,

we are running the 6th edition of the online course "Metabolomics with R/Bioconductor" in November (16, 17, 18 and 20)

Time: 9:30 AM - 1:30 PM (Berlin time, CET) Course website: https://www.physalia-courses.org/courses-workshops/course55/

This four-day course will introduce participants to the fundamental aspects of metabolomics from a data analysis perspective, covering the entire workflow from experimental design and data preprocessing to statistical analysis and interpretation of metabolomics datasets.

The course combines lectures, hands-on exercises in R,

and group discussions, with a focus on both targeted and untargeted metabolomics.

Topics covered include: - Metabolomics study design, analytical considerations, and reproducibility

- Data manipulation and visualization in R

- Preprocessing of untargeted mass spectrometry data using the Bioconductor package xcms

- Quality assessment, missing data handling, and metabolite annotation

- Univariate statistical analysis and multiple testing correction

- Multivariate approaches, including PCA, PLS, and Random Forest

By the end of the course, participants will have gained practical experience in analyzing targeted and untargeted metabolomics datasets using R/Bioconductor and applying statistical methods to complex biological data.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards,

Carlo

---

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online METAGENOMIC DATA ANALYSIS OF MICROBIAL COMMUNITIES

METAGENOMIC DATA ANALYSIS OF MICROBIAL COMMUNITIES (MGMC01) https://prstats.org/course/metagenomic-data-analysis-of-microbial-communities-mgmc01/Only 3 places left! 26-30 October 2026 Instructor: Dr Jeferyd Yepes, Swiss Institute of Bioinformatics Microbial communities play a fundamental role in evolutionary processes, from the diversification of microbial lineages and adaptation to changing environments to the evolution of metabolic capabilities and complex ecological interactions. Advances in metagenomic sequencing now allow researchers to investigate microbial diversity, genomic variation, and functional potential without the need to culture individual organisms. This five-day, hands-on course introduces metagenomic data analysis, microbial community profiling, and genome-resolved metagenomics, providing practical bioinformatics skills for researchers interested in microbial evolution, evolutionary ecology, population genomics, and comparative microbial diversity. Using real sequencing datasets and modern computational tools, participants will learn to: Process and quality-control metagenomic sequencing data, including adapter trimming, quality filtering, and contamination assessment. Analyse targeted marker-gene sequencing data, including 16S rRNA and ITS, to characterise microbial diversity. Distinguish operational taxonomic units (OTUs) from amplicon sequence variants (ASVs) and understand their applications in microbial community analysis. Perform taxonomic classification and profiling of whole-genome shotgun metagenomic datasets. Examine microbial diversity, community composition, and differences between populations or environmental conditions. Assemble metagenomic sequencing reads and reconstruct metagenome-assembled genomes (MAGs). Assess genome completeness, contamination, and taxonomic classification to support comparative microbial genomic research. Investigate microbial functional potential through genome annotation and metabolic pathway analysis. Develop reproducible bioinformatics workflows for microbial genomic research. Applications to evolutionary biology The methods taught are particularly relevant to researchers investigating microbial diversification, evolutionary ecology, environmental adaptation, and the genomic basis of microbial functional diversity. Potential applications include comparing microbial communities across contrasting environments, investigating taxonomic and functional differences between microbial assemblages, recovering genomes from previously uncultured microorganisms, and generating genomic resources for subsequent comparative and evolutionary analyses. Metagenomic approaches also provide opportunities to investigate how microbial community composition and functional potential vary across habitats, host species, and environmental gradients, contributing to our understanding of microbial evolution and ecological adaptation. Who should attend? Evolutionary biologists, microbial evolutionary ecologists, evolutionary genomicists, microbiologists, molecular ecologists, population geneticists, microbial biodiversity researchers, and bioinformaticians interested in microbial diversity and genome-resolved metagenomics. The course is also suitable for PhD students and postdoctoral researchers seeking practical experience with next-generation sequencing data and computational approaches to micro-

bial community analysis. Participants should have basic familiarity with R, RStudio, and UNIX command-line operations. Course format: Five days of live online lectures and practical bioinformatics exercises. All sessions are recorded, with 30 days of access to recordings and post-course email support. Full course details and registration: https://prstats.org/course/metagenomic-data-analysis-of-microbial-communities-mgmc01/Please feel free to share this course with colleagues, students, evolutionary biology and microbial genomics research groups, laboratories, institutes, and wider evolutionary biology, microbiology, and bioinformatics research networks who may find it useful. PR Stats — Specialist Training in Statistics, Ecology and Bioinformatics https://prstats.org (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Metagenomic Data Analysis of Microbial Communities 26-30Oct

Metagenomic Data Analysis of Microbial Communities (MGMC01) - Applications for Evolutionary Biology 26-30 October 2026 — 25 hours — GBP400 — Live Online https://prstats.org/course/metagenomic-data-analysis-of-microbial-communities-mgmc01/Delivered by Dr Jeferyd Yepes, a bioinformatician and computational biologist specialising in metagenomics, microbial genomics, reproducible bioinformatics workflows and computational analysis of complex microbial communities. Learn how to analyse microbial communities using metagenomic data, from experimental design and raw sequencing data through quality control, taxonomic profiling, diversity analysis, assembly, genome reconstruction and functional interpretation. For evolutionary biologists, metagenomic approaches provide powerful tools for investigating microbial diversity, genomic variation, community differentiation and functional evolution without requiring organisms to be cultured individually. By combining taxonomic, genomic and functional information, researchers can examine how microbial communities and genomes vary among hosts, populations, species, environments and evolutionary contexts. What you'll gain Understand the core concepts and applications of metagenomics Design robust metagenomic studies with appropriate replication and controls Understand sample collection, storage and DNA/RNA extraction Compare 16S/ITS marker-gene and whole-genome shotgun approaches Understand short- and long-read sequencing strategies Perform quality control and preprocessing of sequencing data Identify and remove low-quality reads and contaminants Work with OTUs and ASVs Perform taxonomic classification and microbial-community profiling Calculate and interpret alpha and beta diversity Compare microbial communities among biological or environmental conditions Perform differential abundance analyses Understand de novo metagenomic assembly Apply binning approaches to recover individual microbial genomes Reconstruct Metagenome-Assembled Genomes (MAGs) Assess MAG completeness and contamination Perform genome annotation and taxonomic classification Explore functional and pathway-level information Apply statistical and visualisation approaches to metagenomic data Apply FAIR and reproducible-data principles to metagenomic research Course format Dates: 26-30 October 2026 Duration: 5 days, 5 hours per day - 25 hours total Format: Live online Combination of theoretical instruction and practical computational analysis Targeted and shotgun metagenomics covered Practical microbial-community analysis and MAG reconstruction All sessions recorded 30 days' access to recordings 30 days of post-course email support Digital certificate of attendance Course fee: GBP400 Who is this course for? This course will be particularly relevant to evolutionary biologists and researchers working in: Evolutionary genomics Microbial evolution Microbial ecology Molecular evolution Host-microbiome evolution Comparative microbiome research Population and community genomics Environmental genomics Molecular ecology Evolutionary ecology Metagenomics Bioinformatics Genome evolution and functional diversity It is particularly useful for researchers interested in understanding how microbial communities, genomes and functional capabilities differ among organisms, populations, environments or evolutionary contexts. Participants should be familiar with R/RStudio, including basic data manipulation and importing and exporting data. Familiarity with UNIX/Linux is also beneficial. Why take this course? Microorganisms represent an enormous component of biological diversity, yet many cannot readily be cultured and studied individually. Metagenomics provides a way to investigate these organisms directly from biological and environmental samples, opening opportunities to study microbial diversity, genomic variation and functional differences across ecological and evolutionary systems. Targeted approaches such as 16S and ITS sequencing allow researchers to characterise and compare microbial communities, while whole-genome shotgun metagenomics provides access to sub-

stantially richer genomic and functional information. Assembly and binning can go further by reconstructing Metagenome-Assembled Genomes, allowing individual microbial genomes to be recovered from complex communities. These approaches can contribute to evolutionary questions involving microbial diversification, host-associated microbial communities, environmental adaptation, community differentiation and the evolution of functional capabilities. The ability to compare taxonomic and functional profiles across samples also provides a framework for investigating how microbial communities differ across hosts, environments and biological conditions.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Online MethylationAnalysis Nov 17-19

The Computational Biology Core at the University of Connecticut is hosting virtual bioinformatics workshops this Fall! We still have space available in our Methylation Analysis Workshop (virtual but live instruction - Nov. 17-19).

The workshop will cover how to generate methylation calls, map reads, assess data quality and perform quality control, quantify methylation levels, and perform differential methylation analyses using real experimental datasets on a university HPC. This workshop is perfect for researchers of all levels - no prior bioinformatics experience required!

Learn more & register here: https://bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams) WHEN: 10:00 AM - 2:00 PM EST COST: 525(UConnaffiliates)/630 (External participants) Registration is first come, first served. Questions? E-mail: cbcsupport@helpspotmail.com

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online MicroRNA Annotation and Small RNA-Seq Analysis 23-26November

Dear all,

Our new online course, MicroRNA Annotation and Small RNA-Seq Analysis (23-26 November), provides a practical, hands-on introduction to the complete workflow–from raw sequencing reads to high-quality microRNA annotations.

Course website: https://www.physalia-courses.org/courses-workshops/smallrnaseq/

Using real datasets and published studies, participants will learn how to:

- Process and quality-control small RNA-seq data - Retrieve and reproduce analyses from published research - Perform microRNA annotation using current best practices - Critically evaluate predicted microRNAs and avoid common annotation pitfalls - Apply widely used tools including miRTrace, MirMachine, and MirMiner

Designed for PhD students, postdoctoral researchers, and scientists working in genomics, molecular biology, and bioinformatics, the course combines theory with extensive practical exercises that participants can immediately apply to their own research.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/

Best regards, Carlo

———— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Modern Causal Inference Methods Europe UK Oct 28

Hello EVOLDIR members A reminder - Apply explicit causal reasoning to evolutionary and genetic evidence. Modern Causal Inference Methods (Europe/UK) is a seminar livestreaming October 28 with Michael Zyphur (Instats). Causal diagrams, target-trial thinking, and quasi-experimental designs can help evolutionary researchers state what observational data can support. Participants use R methods including matching, weighting, instrumental variables, and difference-in-differences to assess identification assumptions. These skills can be applied to evolutionary, ecological, and genetic datasets where exposures or interventions are not randomly assigned. Details and registration: Further information is available on the seminar page. Best wishes Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Modern Causal Inference Methods Oct15-16

Hello EVOLDIR members A reminder - Evolutionary evidence benefits from methods that separate mechanisms from observed patterns. Modern Causal Inference Methods is a 2-day seminar livestreaming October 15-16 with Michael Zyphur (Instats). Use causal diagrams, target-trial thinking, and explicit estimands to structure evolutionary and genetic research questions. Assess confounding, overlap, and treatment effect heterogeneity when analysing observational data on selection, environmental change, or population processes. Apply matching, weighting, instrumental variables, and quasi-experimental designs in R while stating the assumptions that support each causal claim. Details and registration: Further information is available on the seminar page. Best wishes Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Multilevel and Mixed Models with AI Oct7-9

Hello EVOLDIR members

A reminder - Population structure can shape the conclusions drawn from comparative data. Multilevel and Mixed Models with AI is a 2-day seminar livestreaming October 7 and 9 with Michael Zyphur (Instats). Model genetic and phenotypic observations nested within populations, lineages, sites, or repeated samples. Estimate mixed effects, cross-level interactions, and multilevel indirect effects in R and Mplus. Diagnose specification problems and use simulation to connect hierarchical evidence with evolutionary inferences.

Details and registration: Further information is available on the seminar page.

Best wishes

Michael Zyphur Director Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Multivariate Analysis of Ecological Communities Using VEGAN 2-6Nov

Multivariate Analysis of Ecological Communities Using VEGAN (VGNR10) - Applications for Evolutionary Biology 2-6 November 2026 — 35 hours — GBP485 — Live Online https://prstats.org/course/multivariate-analysis-of-ecological-communities-using-vegan-vgnr10/Learn how to analyse complex ecological and evolutionary datasets using R and the VEGAN package, with practical training in multivariate statistical methods, ordination, clustering, diversity analysis and the relationships between biological assemblages and environmental conditions. For evo-

lutionary biologists, multivariate approaches provide powerful tools for investigating community differentiation, evolutionary ecology, niche differentiation, species assemblages and variation in biological communities across environmental and evolutionary gradients. This comprehensive five-day course combines statistical theory with hands-on analysis of empirical datasets, providing researchers with the skills needed to identify multivariate patterns, compare biological assemblages and investigate how species composition varies across habitats, environments and evolutionary contexts. The course uses datasets from terrestrial ecology, wetland ecology, microbial ecology, natural resource management, evolution and palaeoecology. Participants are strongly encouraged to bring their own datasets and will receive guidance on selecting appropriate analytical approaches, interpreting results and presenting their findings.

What you'll gain Understand the principles of multivariate analysis of ecological and biological communities Prepare, structure and transform multivariate datasets in R Calculate and interpret diversity indices and community metrics Understand ecological distance and dissimilarity measures Select appropriate transformations and distance measures for community data Apply clustering and classification techniques to investigate differences among biological assemblages Understand and perform unconstrained ordination analyses Apply Principal Component Analysis (PCA) Use Non-metric Multidimensional Scaling (NMDS) to visualise multivariate patterns Understand and apply constrained ordination methods Perform Redundancy Analysis (RDA) Apply Canonical Correspondence Analysis (CCA) Investigate relationships between community composition and environmental predictors Test hypotheses using canonical ordination methods Analyse variation in species assemblages across environmental, ecological and evolutionary gradients Work with continuous and categorical explanatory variables Interpret and visualise multivariate results Develop reproducible analytical workflows using R and VEGAN Apply multivariate methods to your own ecological and evolutionary research questions

Course format Dates: 2-6 November 2026 Duration: 5 days, 7 hours per day - 35 hours total Format: Live online Combination of theoretical lectures and hands-on practical exercises Practical analysis using R and the VEGAN package Empirical datasets covering ecology, evolution and palaeoecology Participants are encouraged to bring their own datasets Individual guidance on choosing appropriate methods and interpreting results All sessions recorded, with recordings normally available the same day 30 days' access to recordings Course fee: GBP485

Who is this course for? This course will be particularly relevant to researchers and postgraduate students working in: Evolutionary biology Evolutionary ecology Community ecology and community assembly Niche differentiation Biodiversity and diversification research Comparative community ecology Microbial evolution and microbial ecology Palaeoecology Biogeography Species coexistence Environmental adaptation Conservation and evolutionary ecology Quantitative evolutionary biology Ecological and evolutionary responses to environmental change It is particularly valuable for researchers interested in comparing biological assemblages, investigating community differentiation and understanding how species composition varies across environmental and evolutionary contexts. The course is designed for participants with an intermediate understanding of R, including familiarity with basic data manipulation and statistical analysis. Why take this course? Evolutionary processes influence the composition and diversity of biological communities, while ecological interactions and environmental conditions can shape the distribution and persistence of species across habitats and evolutionary timescales. Understanding these relationships often requires analysing multiple species and environmental variables simultaneously, rather than examining individual species or responses independently.

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up

at https://evoldir.net/brian/evoldir/evoldir.html

## Online Museomics 8-12 February

Dear all, We are pleased to announce a new edition of the online workshop "Museomics: An Introduction to Genomic Analyses of Natural History Collections".

Dates: 8-12 February 2027 Format: Online Course website: https://www.physalia-courses.org/courses-workshops/museomics/

Natural history collections provide unique opportunities to investigate evolutionary processes, population history, adaptation, and biodiversity loss through time. However, working with historical genomic data presents specific technical and analytical challenges. This five-day workshop will combine lectures and hands-on exer-

cises to introduce participants to the generation, analysis, and interpretation of genomic data from museum specimens.

Topics covered include: - Historical DNA processing and associated technical challenges

- Generation and analysis of genomic data from natural history collections

- Reconstruction of population history and changes in genetic diversity

- Investigation of local adaptation through time

- Assessment of genomic erosion and biodiversity loss using historical genomic datasets

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/museomics/

We would be grateful if you could share this announcement with colleagues and students who might be interested.

Best regards, Carlo ———— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Nanopore Direct RNA Sequencing 14-17December

Dear all,

We are pleased to announce our upcoming online course on Nanopore Direct RNA Sequencing, taking place on 14-17 December, from 3:00 to 7:00 PM (Berlin time).

Course website: https://www.physalia-courses.org/courses-workshops/course59c/

This four-day course combines theoretical lectures with hands-on bioinformatics training, covering the complete workflow for Nanopore direct RNA sequencing data analysis, from basecalling and alignment to transcript and isoform quantification, poly(A) tail length estimation, and RNA modification detection, with a focus on the latest chemistry.

The course will conclude with a dedicated hands-on session, during which participants will have the opportunity to analyse their own datasets or work on selected research projects under expert guidance. The course is designed for researchers with a basic understanding of RNA sequencing and experience working in a Unix/Linux command-line environment.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo ———— – Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Network Analysis for Ecological Data Nov5-6

Dear colleagues, PR Stats is pleased to announce an upcoming live online course in Network Analysis for Ecological Data (NWAE02), delivered by Dr Miguel Lurgi on 5-6 November 2026. Network Analysis for Ecological Data (NWAE02) https://prstats.org/course/network-analysis-for-ecological-data-nwae02/Dates: 5-6 November 2026 Instructor: Dr Miguel Lurgi Format: Live, online and interactive Course fee: GBP250 Course Overview Interactions between species play a fundamental role in shaping ecological communities and the evolutionary processes that influence biodiversity. Network analysis provides powerful tools for investigating these interactions, exploring community structure and understanding the organisation and dynamics of complex biological systems. This practical course introduces network analysis using R, with applications to species interaction networks, food webs, community structure and the ecological relationships that provide the context for evolutionary processes. Topics include: Constructing and visualising ecological networks using R and igraph. Analysing network structure, including centrality, modularity and nestedness. Investigating species interactions, trophic relationships and ecological communities. Exploring network dynamics and ecological simulations. Understanding how network structure can inform research into biodiversity, species coexistence and the ecological context of evolutionary processes. Who Should Attend? This course is suitable for evolutionary biologists, ecologists, conservation biologists, postgraduate students and re-

searchers interested in species interactions, coevolutionary relationships, food webs, community ecology and biodiversity. The course combines theoretical explanations with practical exercises in R, allowing participants to apply network methods to ecological datasets. Registration and Further Information Full course details, programme and registration are available here: https://prstats.org/course/network-analysis-for-ecological-data-nwae02/Participants will also receive access to course recordings, allowing them to revisit the material after the live sessions. Please feel free to share this announcement with friends, colleagues, research groups, laboratories, institutes, organisations or anyone in your wider network who may benefit from this training. Kind regards, Dr Oliver E. Hooker PR Stats https://prstats.org/ (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Network Modeling Static and Dynamic Methods Dec9-11

Hello EVOLDIR members

Evolutionary researchers may encounter relational data that require explicit attention to dependence among observations. Network Modeling: Static and Dynamic Methods is a 2-day seminar livestreaming December 9 and 11, led by Moses Boudourides (Data Science Graduate Program, School of Professional Studies, Northwestern University). Static and temporal network models offer ways to study relational structure and change in evolutionary research. Researchers can use worked examples to consider whether their network data suit an exponential-family random graph model or a longitudinal approach. A no-code application supports model specification and diagnostic assessment.

Details and registration: Full details are available on the Instats seminar page.

Best wishes

Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Phylogenomics 30November-4December

Dear all,

We are pleased to invite you to the 6th edition of our online course on Phylogenomics, taking place from 30 November to 4 December.

Course website: https://www.physalia-courses.org/courses-workshops/phylogenomics/ This five-day workshop combines theoretical lectures with hands-on practical sessions to introduce participants to modern phylogenomic methods and their application to genomic datasets. Participants will learn how to: - Build phylogenomic pipelines for multilocus genomic datasets - Perform maximum-likelihood and Bayesian phylogenetic inference - Apply multispecies coalescent methods for species-tree reconstruction - Identify and quantify gene flow and introgression - Estimate divergence times using molecular clock approaches

Practical sessions will feature widely used tools, including MAFFT, IQ-TREE, RAxML, PhyloBayes, ASTRAL, BPP, and MCMCTree. A preconfigured computing environment will be provided, so participants can focus on learning and applying the methods without the hassle of software installation.

The course is designed for PhD students, postdoctoral researchers, and other scientists interested in developing their skills in phylogenomic analysis and reconstructing robust evolutionary histories from genomic data.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/

Best regards, Carlo

---

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Population Genomics with low-coverage Whole Genome Sequencing data 26-29October

Dear all, If you are interested in learning how to analyse low-coverage whole-genome sequencing (WGS) data, there is still time to join our online course, "Population Genomic Inference from Low-Coverage Whole-Genome Sequencing Data," taking place on 26-29 October.

Course dates: 26-29 October

Course website: https://www.physalia-courses.org/courses-workshops/course64/During this course, we will explore workflows based on genotype likelihoods, applicable to both whole-genome and reduced-representation sequencing studies. We will discuss the principles underlying the generation, processing, and analysis of low-coverage sequencing data for population genomic inference. The course will focus primarily on methods and algorithms implemented in the ANGSD software package and associated tools. We will also provide best-practice guidelines and discuss how to make the most of low-coverage genomic resequencing data in your research.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo

– Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online RNAseq Analysis Nov-9-16-30

We still have space available in our upcoming RNA-seq Analysis workshop (virtual but live instruction - Nov. 9, 16, + 30). This hands-on workshop is designed for researchers working with a reference genome and annotation.

Participants will gain practical experience with experimental design, high-throughput sequencing basics, quality control, alignment to a reference genome, differential expression analysis, and gene ontology / gene set enrichment.

NEW FORMAT - PAY PER MODULE - TAKE WHAT YOU NEED, SKIP WHAT YOU DON'T

Nov. 9: Module 1 - RNA-seq data quality assessment, trimming, and decontamination Nov. 16: Module 2 - Read mapping, alignment quality control, and counts generation Nov. 30: Module 3 - Differential expression and functional enrichment analyses

Learn more & register here: https://bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams)

WHEN: 10:00 AM - 2:00 PM EST

COST: $150 per module (UConn affiliates including UConn Health) / $200 per module (External participants)

Registration is first come, first served. Questions? E-mail: cbcsupport@helpspotmail.com

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Sex Chromosome Evolution 12-16October

Dear all,

there are still a few seats left for our online course on Sex Chromosome Evolution

Dates: 12-16 October

Course website: https://www.physalia-courses.org/courses-workshops/sexchr/

How do sex chromosomes evolve, and what can genomic and transcriptomic data tell us about their differentiation?

This hands-on online course will introduce practical approaches for identifying sex chromosomes and studying their evolution. Across five live sessions, we'll work with genomic and transcriptomic data to explore recombination suppression, evolutionary strata, sex-biased gene expression, dosage compensation, gene gain and loss,

and genome divergence.

The course combines short lectures with practical computational exercises using Linux command-line tools and R and Bioconductor. Participants will work with real datasets and learn how to analyse and interpret genomic patterns in an evolutionary context.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/

Best regards, Carlo

———— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Online Single-cell RNA-seq 16-20 November

Dear all,

interested in single-cell RNAseq data analysis?

You can still join us for the 7th edition of our course, organised in collaboration with Bioconductor.

Dates: ONLINE, 16-20 November 2026

Course website: https://www.physalia-courses.org/courses-workshops/course18/ In this course, we will start by introducing general concepts about single-cell RNA-sequencing. From there, we will then continue to describe the main analysis steps to go from raw sequencing data to processed and usable data. Finally, we will focus more specifically on the different analyses strategies to use in order to extract information from genomic datasets such as Hi-C, ATAC-seq or ChIP-seq.

Throughout the workshop, bash tools and R/Bioconductor packages will be used to analyse datasets and learn new approaches.

If you are also interested in Spatial transcriptomics, there are the last 2 seats available on our course in December: https://www.physalia-courses.org/courses-workshops/course18/ For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo ———— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Spatial Proteomics Data Analysis R-Bioconductor 10-12Nov

Dear all,

We have an upcoming online, hands-on course organised in collaboration with Bioconductor Training:Spatial Proteomics Data Analysis in R/Bioconductor: From Mass Spectrometry to Subcellular Maps

Dates: 10-12 November 2026

Course website: https://www.physalia-courses.org/courses-workshops/spatial-proteomics-in-r/

This practical course will guide participants through the analysis of mass spectrometry-based spatial proteomics data using R/Bioconductor, from raw data processing to the generation of comprehensive subcellular protein localisation maps.

Key topics include: - Data import, processing, normalisation, and quality control - Exploratory analysis, visualisation, and clustering - Protein annotation and subcellular localisation - Machine learning for protein localisation prediction - Reproducible workflows using R/Bioconductor

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo ———— – Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Spatial transcriptomics with R Bioconductor 14-18December

Dear all,

Join our 5-day online course, "Spatial transcriptomics with R/Bioconductor," taking place 14-18 December.

Course website:https://www.physalia-courses.org/courses-workshops/spatial-transcriptomics/

Through lectures and hands-on labs, participants will learn how to analyse spatial and single-cell omics data using R/Bioconductor–from QC and cell segmentation to spatial mapping, niche analysis, and cell-cell communication. The course is aimed at researchers, graduate students, and professionals with basic R/Bioconductor experience.

For the full list of our courses and workshops, please visit: https://www.physalia-courses.org/courses-workshops/ Best regards,

Carlo ———————— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Online Statistical Foundations of Data Science with R Oct19-23

Hello EVOLDIR members

A reminder - Develop statistical approaches for evolutionary and genetic datasets. Statistical Foundations of Data Science with R is a 2-day seminar livestreaming October 19 and 23 with Centre for Applied Statistics Courses (CASC) (University College London). R-based data summaries, visualisation, hypothesis testing, and regression can be applied to evolutionary and genetic research questions. Participants can plan analyses around data type, compare groups or associations, and assess fitted model assumptions. The course also covers prediction and graphical presentation for communicating evolutionary evidence.

Details and registration: Please circulate this reminder if it is relevant to colleagues or students.

Best wishes

Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Structural Equation Modeling with AI Sep30-Oct2

Hello EVOLDIR members

A reminder - Strengthen inference about linked evolutionary processes from complex observational evidence. Structural Equation Modeling with AI is a 2-day seminar livestreaming September 30 and October 2 with Michael Zyphur (Instats). Evolutionary researchers can use latent variable models to evaluate theoretical pathways across noisy or multi-indicator genetic and phenotypic data. R and Mplus examples develop confirmatory factor analysis, mediation, bootstrapping, latent interactions, and instrumental variable SEM. AI-supported workflows address code drafting, estimation diagnostics, interpretation, and clear documentation for empirical evolutionary studies.

Details and registration: The seminar page includes the full schedule and registration details.

Best wishes

Michael Zyphur Director Instats

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Online Transposable Elements 2-6November

Dear all, Only a few seats are left for the 7th edition of our online course "Bioinformatic Analysis of Transposable Elements", taking place 2-6 November!

Course details and registration: https://www.physalia-courses.org/courses-workshops/course24/ Transposable elements (TEs) are key drivers of genome evolution, gene regulation, and structural variation. However, their repetitive nature and rapid evolution make their identification and analysis particularly challenging. This hands-on course combines lectures and practical sessions to provide participants with the skills to: - Discover, annotate, and classify TEs in genome assemblies

- Build and manually curate de novo TE libraries

- Analyse TE insertion polymorphisms and differential expression

- Interpret results in the context of genome evolution

Participants will also have the opportunity to discuss their own research projects and receive personalised guidance during dedicated 1-to-1 sessions.

With only a few places remaining, we encourage you to register soon!

For our full list of courses and workshops, visit: https://www.physalia-courses.org/courses-workshops/ Best regards, Carlo ———————— Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Virus Diversity Emergence and Pandemic Prevention Free Seminar Oct 14

Hello EVOLDIR members

A reminder - Evolutionary evidence can sharpen accounts of how pathogens cross species boundaries. Virus Diversity, Emergence, and Pandemic Prevention (Free Seminar) is a seminar livestreaming October 14 with Edward Holmes (University of Sydney). Metatranscriptomic surveys and phylogenetic inference can clarify how RNA viruses diversify, recombine, and shift between hosts. Comparative analysis of sequence, host-association, and ecological evidence helps evolutionary researchers assess competing explanations for observed viral patterns. These approaches can inform genetics-focused studies of selection, host range, and zoonotic emergence.

Details and registration: Further information is available on the seminar page.

Best wishes

Michael Zyphur Director and Co-founder Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Online Writing Your First Paper Free Seminar Oct5-6

Hello EVOLDIR members

A reminder - Turn evolutionary analyses into manuscripts that colleagues can assess and build upon. Writing Your First Paper (Free Seminar) is a 2-day seminar livestreaming October 5-6 with Jenifer Lopes (Department of Organismic & Evolutionary Biology, Faculty of Arts & Sciences, Harvard University). Structure evolutionary and genetic findings around a clear inferential argument, from hypothesis through methods and results. Learn to write concise abstracts, map relevant literature, and select outlets whose scope and audience suit an evolutionary study. Apply ethical AI-assisted editing and citation practices to make manuscripts reproducible and well situated in current debates.

Details and registration: Full details are available on the Instats seminar page.

Best wishes

Michael Zyphur Director Instats

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## Spain Evolution course Jan2027

Dear colleagues,

We are happy to launch the 4th Edition of "Principles of Evolution Course: biology through time & organizational levels" (POE), on behalf of the Spanish Society for Evolutionary Biology (SESBE), and Donana Biological Station (EBD-CSIC).

The course will take place at Reserva Biologica de Donana, within the National Park (Huelva, Spain) 11-22 January 2027.

This intensive course will cover broad aspects of the evolutionary process, across multiple timescales, organizational levels, and phylogenetic breadth. It will bal-

ance teaching of essential concepts with in-depth discussions of the forefront topics in each of the subdisciplines. It will combine theoretical and hands-on sessions, with ample opportunity for discussion, in an exceptional natural environment. The course will address multiple central topics in evolutionary biology:

Origin of life and eukaryogenesis - Evolution of multicellularity - Paleobiology and paleoanthropology - Phylogenomics and macroevolution - Population genetics - Phylogeography, landscape genetics and speciation - Epigenetics - Sexual selection - Evolutionary developmental biology - Evolutionary ecology

The course is aimed at 15 early career researchers (PhD students and early postdoctoral fellows) with a strong focus in evolutionary biology in their projects.

Patricia Alvarez - Marta Barluenga - Ozren Bogdanovic - David Buckley - Pau Carazo - Elena Casacuberta - Fernando Casares - Santiago Elena - Borja Figueirido - Francisco Garcia-Gonzalez - Jose A. Godoy - Ivan Gomez-Mestre - Josefa Gonzalez - Alejandro Gonzalez-Voyer - Iker Irisarri - Sin Yeon Kim - Christoph Liedtke - Ignacio Maeso - Inigo Martinez-Solano - Jesus Marugan-Lobon - Dean McKeown - Borja Mila - Juli Pereto - David Posada - Ana Riesgo - Inaki Ruiz-Trillo

The course fee will be 300EUR, 250EUR for members of SESBE, and will include transportation from Seville to the National Park and back, board and lodging.

If you are interested in participating in the course, please send an Expression of Interest (2 pages max.) and an updated CV before November 5th 2026 to igmestre@ebd.csic.es and/or marta.barluenga@mncn.csic.es

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## U Autonoma de Madrid Spain December 14-17th 2026

Dear all,

There are still some seats available for the course New Technologies for Developmental Evolutionary Biology Studies (4th edition), which will take place December 14th-17th 2026 at the Universidad Autonoma de Madrid, Spain. This link (https://sites.google.com/view/evodevo2026/home) provides all the information about the course, which is partially sponsored by the Centro de Investigacion en Biodiversidad y Cambio Global (CIBC-UAM; https://www.uam.es/uam/cibc), the Sociedad Espanola de Biologia Evolutiva (SESBE; https://sesbe.org/) and the Departamento de Biologia de la UAM (https://www.uam.es/ciencias/facultad/departamentos/biologia).

This course, with a strong theoretical foundation and an intense practical component, aims to update students' knowledge in evolutionary developmental biology and stimulate their creativity, expanding the range of techniques to be used in their research projects.

Topics covered:

comparative transcriptomics single cell transcriptomics bulk transcriptomics spatial transcriptomics ATAC-seq technique phylogenomics comparative genomics gene regulation plastic phenotypes evolutionary novelties

Eligibility and application process:

To apply, please send an email to the following address (ecoevodevo.cibc@gmail.com) indicating your name, position, and home institution. In addition, you should attach a letter of motivation to attend the course. Applicants will be selected based on their motivations and interests. Admitted students will be informed by November 6th. The acceptance email will provide the necessary instructions for the final registration and payment of fees.

Important Program Dates (application date has been extended):

application opens: October 1, 2026 application due: October 30th, 2026 decisions sent: November 6th, 2026 early registration: before November 12th, 2026 registration due: November 20th, 2026 program begins: December 14th, 2026

Course Fees: CIBC members: early registration: 200 euros (before November 10th) late registration: 230 euros

non-CIBC members:

early registration: 230 euros (before november 10th) late registration: 260 euros

The Spanish Society for Evolutionary Biology (SESBE) will fund the registration of five participants who are members of the society (become a member here: https://sesbe.org/asociate/).

All the information for the course is available at https://sites.google.com/view/evodevo2026/home Kind regards,

The organizers: Cristina Grande, Patricia Alvarez-

Campos, David Foronda y David Buckley

(to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/) (to manage your EvolDir subscription: https://evoldir.net/django/subscriptions/manage/)

## U Autonoma de Madrid Spain New Technologies for Developmental Evolutionary Biology Studies December14-17

Dear all,

We invite you to attend the course New Technologies for Developmental Evolutionary Biology Studies (4th edition), which will take place December 14th-17th 2026 at the Universidad Autonoma de Madrid, Spain. This link - https://sites.google.com/view/evodevo2026/home - provides all the information about the course, which is partially sponsored by the Centro de Investigacion en Biodiversidad y Cambio Global (CIBC-UAM - https://www.uam.es/uam/cibc), the Sociedad Espanola de Biologia Evolutiva (SESBE - https://sesbe.org/) and the Departamento de Biologia (https://www.uam.es/ciencias/facultad/departamentos/biologia) de la UAM.

This course, with a strong theoretical foundation and an intense practical component, aims to update students' knowledge in evolutionary developmental biology and stimulate their creativity, expanding the range of techniques to be used in their research projects.

Topics covered:

comparative transcriptomics single cell transcriptomics bulk transcriptomics spatial transcriptomics ATAC-seq technique phylogenomics comparative genomics gene regulation plastic phenotypes evolutionary novelties

Eligibility and application process:

To apply, please send an email to the following address (ecoevodevo.cibc@gmail.com) indicating your name, position, and home institution. In addition, you should attach a letter of motivation to attend the course. Applicants will be selected based on their motivations and interests. Admitted students will be informed on October 30th. The acceptance email will provide the necessary instructions for the final registration and payment of fees.

Important Program Dates:

application opens: October 1, 2026 application due: October 25th, 2026 decisions sent: October 30th, 2026 early registration: before November 10th, 2026 registration due: November 20th, 2026 program begins: December 14th, 2026

Course Fees: CIBC members: early registration: 200 euros (before November 10th) late registration: 230 euros

non-CIBC members:

early registration: 230 euros (before november 10th) late registration: 260 euros

The Spanish Society for Evolutionary Biology (SESBE) will fund the registration of five participants who are members of the society (become a member here - https://sesbe.org/asociate/).

All the information for the course is available at https://sites.google.com/view/evodevo2026/home Kind regards,

The organizers: Cristina Grande, Patricia Alvarez-Campos, David Foronda y David Buckley

(to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

# Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to evoldir@evoldir.net. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral

positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to evoldir@evoldir.net. In addition, if it originates from 'blackballed' addresses it will be sent to evoldir@evoldir.net. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to evoldir@evoldir.net. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evoldir.net. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. ... plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be sent to evoldir@evoldir.net and processed later. In either case, please do not expect an instant response.

# Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.