E v o l D i r

January 1, 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 me mail at Golding@McMaster.CA.

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.

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Conferences

Bern MolMechanismsSelfishElements Feb8-11

Dear all,

Together with Tanja Schwander, Laura Ross, and Axel Imhof, we are organizing an EMBO workshop on the Molecular Mechanisms of Selfish Elements and Strategies, to be held from Sunday 8 to Wednesday 11 of February 2026 in Bern, Switzerland.

We have an exciting line-up of invited speakers, and the topic should be of broad interest to the evolutionary genetic community. Abstract submissions are open until 15 December 2025.

You can find more information on the website : https://meetings.embo.org/event/26-selfish-elements Best wishes,

Luca Soldini PhD Student - Schwander Group Selfish genetic elements and atypical reproductive modes Department of Ecology and Evolution University of Lausanne

Luca Soldini <luca.soldini@unil.ch>

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Bern SelfishElementsStrategies Feb8-11

Dear all,

We have extended the abstract submission deadline (until the end of the year) for our EMBO Workshop on Molecular Mechanisms of Selfish Elements and Strategies, which will take place in Bern, Switzerland, from Sunday 8 to Wednesday 11 February.

The scientific programme is organized into five thematic sessions: (1) Repeats and transposable elements; (2) GRC, PSR, and other B chromosomes; (3) Subverting meiosis; (4) Maternal and paternal genome elimination; (5) Endosymbionts enforcing their own transmission.

The workshop is held in Switzerland, but we kept the registration fees within the usual EMBO range. Registration includes joint lunches and dinners, as well as coffee breaks. Bern is easily accessible by train from many European cities and is well connected to all three major Swiss airports.

We still have travel grants and registration fee waivers available.

More information on the website : https://meetings.embo.org/event/26-selfish-elements Best wishes, Luca Soldini

Luca Soldini <luca.soldini@unil.ch>

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Crete ComputationalEvolBiol May4-8

Mathematical and Computational Evolutionary Biology (MCEB) Heraklion (Crete, Greece), 4-8 May, 2026

https://mceb2026.sciencesconf.org/the For its 2026 installment, MCEB will take place in Heraklion, Crete. This edition of the meeting will put an emphasis on computational methods in evolutionary genomics.

It will focus on recent algorithmic and statistical advances in comparative analysis of genomic data, but also present significant biological results obtained with these new techniques.

Beyond this year's themes, general concepts, models, methods and algorithms will be presented and discussed, just as in the previous editions of MCEB.

As usual, the meeting will bring together researchers from various disciplines: mathematics, statistics, computer science, phylogenetics, population genetics, molecular epidemiology, biodiversity and macroevolution...

Our keynote speakers will introduce a field of research and discuss their own work in this field.

The afternoons will be available for short presentations and posters, with plenty of time for discussions.

We will be stopping early every day, thus leaving time for other activities.

KEYNOTES:

Rosa Fernandez http://www.metazomics.com/ Nick Goldman https://www.ebi.ac.uk/people/-person/nick-goldman/ Laura Kubatko https:/-/www.asc.ohio-state.edu/kubatko.2/ Dimitris Paraskevis https://academicmedicaleducation.com/-people/dimitrios-paraskevis-phd David Posada https://dposada.webs.uvigo.es/ PRACTICAL INFORMATION

Accommodation: Astir Beach hotel - https://-www.astirbeach.gr Conference: Hellenic Center for Marine Research - https://www.hcmr.gr/en/ Dates: 4-8 May, 2026. The conference will begin Monday evening and will end Friday morning.

Fees: Between 560 euro to 660 euro . Fees will vary depending on the type of room, shared (for students) or individual. They include accommodation for four nights with breakfasts, lunches, coffee breaks, and dinners, from Monday evening until Friday morning.

Abstract submission deadline: January 1st, 2026

Notification of acceptance: February 15, 2026

Registration deadline: March 15, 2026

Olivier GASCUEL <olivier.gascuel@mnhn.fr>

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KewGardens StateWorldPlantsAndFungi Jun29-Jul1

Dear friends and colleagues of Kew,

We are delighted to announce that registration and poster abstract submissions are open for the international State of the World's Plants and Fungi Symposium.

Join us for this important hybrid event, taking place at the Royal Botanic Gardens, Kew and online from 29 June to 1 July 2026.

We would be extremely grateful if you could please share details with relevant colleagues and networks.

Harnessing the benefits of specimen digitisation

The world's herbaria and fungaria hold the most complete, expertly curated and important sources of information for plant and fungal life on Earth. Yet, for much of their history, these data have remained accessible only to physical visitors. Massive efforts are now underway to digitise these collections, unlocking billions of data points through high-resolution imaging, omics analyses and the generation of rich multimodal meta-data.

This three-day symposium accompanies the publication of a cutting-edge report exploring the applications and implications of this digital revolution. It brings together international experts to examine how these emerging digital resources are being used to address pressing scientific, environmental and societal questions.

Crucially, we will discuss how best to galvanise global support to increase digitisation, particularly in biodiverse, low-income countries. These discussions will be developed into an open access publication to drive future action and policy.

Don't miss your chance to be part of the conversation that will shape the future of biodiversity research.

Programme

The symposium is based around themed sessions in which invited experts will explore critical topics through presentations and Q&A panel discussions:

* Digitisation success stories from around the world

* New frontiers in specimen science

* Unlocking specimen data to accelerate biodiversity knowledge

* Tapping into the biocultural wealth of collections

* Digital data, open access and sovereign rights

* Developing digital evidence for biodiversity policy

In-person attendees will also be able to participate in a workshop to contribute their ideas towards the subsequent publication.

View the programme

[IMG]

Register now for an early bird ticket

Discounted early bird tickets are available until 28 February. Full ticket pricing can be found on the symposium web page.

Submit a poster abstract

Delegates attending the symposium in person are invited to submit an abstract to present a poster and a one-minute oral presentation. Prizes will be awarded for the best early career researcher poster presentations.

Abstract submission deadline: 24 April.

Register now We very much hope you can join us.

Best wishes, Alex

Professor Alexandre Antonelli (he/him) Executive Director of Science Royal Botanic Gardens, Kew kew.org/sotwpf-symposium

Kew Science <email@enews.kew.org>

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Mertola Portugal NaturalSelection Apr17-19

MERTOLA EVOLUTION CONFERENCES- 2026 EDITION: NATURAL SELECTION IN THE WILD

!!!! Save the date: 17 - 19th of April 2026, Mertola, Portugal !!!!!

Dear Colleagues,

It is a pleasure to announce the second edition of Mertola Evolution Conferences (MECs), which will occur in the Spring at the beautiful historical town of Mertola, Southern Portugal.

The MECs are annual meetings on Evolutionary Biology (each year a specific topic) for researchers and students to present cutting-edge studies on the field, as well as a forum for informal discussion, fostering new ideas and collaborations among researchers all over the world. Mertola Conferences are promoted by EBM - Biological Station of Mertola in collaboration with other national and international institutions.

Mertola is located in Southeast Alentejo region of Portugal, near the Spanish border, crossed by the Guadiana River and in the center of the Natural Park of Guadiana Valley. The antiquity of Mertola is attested by the many archaeological remains that prove the continuous human occupation of this territory. Despite being and biodiversity hotspot of Mediterranean ecosystems, the first traces of human presence dating back to the Neolithic period, five thousand years ago, with different civilizations, like Iberians, Phoenicians, Greeks and Carthaginians. More information at https://www.visitmertola.pt/-mertola-vila-museu/ The MEC 2026 edition, entitled “Natural Selection in the Wild”.

More information about invited speakers, registration and abstract submission will soon be available. We look forward to welcoming you at Mertola! Please, spread the word among your colleagues.

The organizing committee, Jeremy Searle Miguel Carneiro Rui Faria Paulo Celio Alves

Rui Faria, PhD

1. Researcher and SEAGEN Group Leader CIBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, InBIO Laboratório Associado BIOPOLIS Program in Genomics, Biodiversity and Land Planning

Campus de Vairão Rua Padre Armando Quintas, nÂº 7 4485-661, Vairão, Portugal

2. Invited Assistant Professor, Department of Biology Faculty of Sciences at the University of Porto, Rua Campo Alegre s/n 4169-007, Porto, Portugal

Webpages: Littorina Research Community < https://littorina.at.biopolis.pt/ > https://rmigueldefaria.wixsite.com/farialab-1 https://sites.google.com/biopolis.pt/littorina/winklewatch Rui Faria <ruifaria@cibio.up.pt>

Montpellier Primates Jun29-Jul3

[EFP 2026] Call for abstracts & application for mobility grants

Dear Colleagues,

It is our great pleasure to announce that abstract submission and registration are now open for the 11th meeting of the European Federation for Primatology which will be held from June 29th to July 3rd, 2026 in Montpellier, France.

Call for abstracts

There are opportunities for regular talks (15 minutes), flash talks (5 minutes), as well as poster presentations. To promote inclusivity, all submitted abstracts will be accepted (while authors' preferences will be taken into account whenever possible, abstracts proposed as oral presentations may nonetheless be reassigned as posters).

Please submit your abstract using the online Abstract submission form < https://www.alphavisa.com/efp/2026/abstract-submission.php >.

Please prepare your abstract following the Guidelines for abstract submission < https://www.alphavisa.com/efp/2026/abstract-guidelines.php >.

Abstract submission closes March 13th 2026.

Registration

Once you have submitted your abstract and confirmed your intention to attend, you must proceed with registration. We encourage early registration in order to benefit from the early-bird rates.

Please consult our Registration fees < https://www.alphavisa.com/efp/2026/registration-fees.php > according to your professional status.

To register, kindly complete the online Registration form < https://www.alphavisa.com/efp/2026/registration.php >.

Early birds registration rate closes February 27th 2026.

For non-European colleagues, visa procedures can take a considerable time in France, particularly depending on your country of residence. We strongly recommend starting your visa application process well in advance, ideally at least six months before the conference. For your visa application, you may need an official certificate of participation at the EFP conference, which you can request from us after completing your registration. See further information on our website < https://www.alphavisa.com/efp/2026/visa.php >.

Mobility grants

The EFP is offering 6-8 mobility grants for primatologists from European countries (up to 500 euro) and 4-6 mobility grants for primatologists from primate-range countries (excluding Japan) (up to 1500 euro). These grants will be awarded primarily to students, PhD candidates, and Post-doctoral researchers submitting an oral communication (regular talk), to support their participation at the EFP conference (travel costs, registration fees, accommodation, up to the maximum amount). Please visit the Mobility Grant page (for European < https://www.alphavisa.com/efp/2026/primatologists-europe.php > and non-European < https://www.alphavisa.com/efp/2026/primatologists-outside-europe.php > students) to find more information about the grant.

To apply, you must first submit an abstract through the standard abstract submission form < https://www.alphavisa.com/efp/2026/abstract-submission.php > and then complete the separate mobility grant application form < https://docs.google.com/forms/d/e/1FAIpQLSdmuiEvJrGKM1-6z0R4-HBz9V3NTYIyk_Aka8-ZOpZ1W-XMQQ/viewform >, which requests (1) a CV, (2) a short statement explaining your motivation, and (3) a provisional travel budget.

Careful, you must submit your abstract before the official abstract-submission closing date if you wish to apply for a mobility grant:

- students from primate-range countries : deadline is 15th January 2026

- students from European countries: deadline is 13th February 2026

The French-speaking Society of Primatology also offers 2 mobility grants for French-speaking primatolo-

gists from primate-range countries (excluding Japan) who collaborate with French-speaking partners or institutes, organisations, or agencies. To apply, please go here < https://sfdp-primatologie.net/index.php?page=-bourse-d-aide-a-la-mobilite > .

Deadline for SFDP mobility grant : 7th January 2026

Don't hesitate to share this within your international network, including colleagues, collaborators, and students whom we may have difficulty reaching.

Practical information

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

Online ESEB InternalConflictsSTN Dec16

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 December 16th, 16:00 UTC. We have a special event lined up to mark the release of a new book, "The Paradox of the Organism: Adaptation and Internal Conflict", a collection of chapters contributed by biologists and philosophers on organisms, organismality, and internal conflicts, edited by Arvid Ågren and Manus Patten. The event will be hosted by Athena Aktipis, author of "The Cheating Cell" and "A Field Guide to the Apocalypse".

We expect the meeting to take approximately 1.5 hours.

Meeting details:

Date: December 16, 2025.

Time: 16:00 UTC

Meeting link: https://georgetown.zoom.us/j/-99509526675?jst=3D2 If you would like to get on 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, Arvid Ågren, Thomas Hitchcock, Martijn Schenkel, and Nina Wedell

ESEB-funded Special Topic Network "Internal Conflicts and Organismal Adaptation" https://-internalconflictsstn.wordpress.com/ https://eseb.org/-prizes-funding/special-topic-networks/ internalconflictsstn@gmail.com

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Portugal StructuralVariationConference Jul8-10

CONFERENCE ON THE EVOLUTIONARY ROLE OF STRUCTURAL VARIATION

!!!! Save the date: 8th - 10th of July 2026, Vila do Conde, Portugal !!!!!

Dear colleagues,

The ESEB Special Topic Network on "Structural variants in evolution-STRiVE" was established in 2025 and brings together researchers from across the globe to study how structural variants, ranging from transposable elements to large chromosomal rearrangements such as inversions or fusions and fissions, shape genome evolution, adaptation, and speciation. Through collaborative research, standardised methods, seminars, meetings, and training initiatives, we aim to bridge communities and unlock the diversity of structural variants and their evolutionary implications across the Tree of Life.

kick-off conference between the 8th and the 10th of July 2026 in Portugal

We are excited to announce our inaugural conference at CIBIO-BIOPOLIS in Vila do Conde (near Porto), Portugal (8th to 10th of July 2026), bringing together researchers to launch this Special Topic Network.

This event named "Trends in Biodiversity and Evolution: the evolutionary role of structural genomic variation" (TiBE-STRiVE)" will feature cutting-edge research presentations, foster interdisciplinary discussions, and initiate collaborative projects spanning the breadth of structural variant research. We will soon send more information about the network, on how to join STRiVE and how to register in the conference. For now, just save the date in your calendars!

Looking forward to seeing you in Portugal!

On behalf of the organization and STRiVE,

Rui Faria

Rui Faria, PhD

1. Researcher and SEAGEN Group Leader CIBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, InBIO Laboratório Associado BIOPOLIS Program in Genomics, Biodiversity and Land Planning Campus de Vairão Rua Padre Armando Quintas, nÂº 7 4485-661, Vairão, Portugal

2. Invited Assistant Professor, Department of Biology Faculty of Sciences at the University of Porto, Rua Campo Alegre s/n 4169-007, Porto, Portugal

Webpages: Littorina Research Community < https://littorina.at.biopolis.pt/ > https://-/rmigueldefaria.wixsite.com/farialab-1 https://-sites.google.com/biopolis.pt/littorina/winklewatch Rui Faria <ruifaria@cibio.up.pt>

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SMBE Copenhagen Jun28-Jul2

The next SMBE2026 Conference will be held in Copenhagen between 28th June and 2nd July. In this regard, we are delighted to announce that conference registration, call for submission of abstracts, and the call for SMBE award applications are now open.

When submitting an abstract, you will be able to choose from a range of ca 30 different symposia, the details of which are listed here:

https://smbe2026.org/programme/ Three different presentation types are on offer:

> Oral presentation (12 minutes presentation + 3 minutes for questions) > Oral flash presentation (3 minutes presentation + 2 minutes for questions) > Poster presentation (Poster visible for 1 full conference day incl. a poster presentation session)

Relevant timelines are:

1st December 2025 - 3rd February 2026: Submission time window for abstracts and applications for consideration for SMBE awards 2nd March 2026 - Notification of abstracts and awards

For full details on how to submit please see:

https://smbe2026.org/abstracts/ We look forward to hosting many of you in Copenhagen next year.

The SMBE2026 Local Organising Committee

Tom Gilbert <tgilbert@sund.ku.dk>

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GradStudentPositions

ArizonaStateU ConservationBiology

Presidential Graduate Assistantship (PGA) Position: Integrative insights into conservation threats in extreme ecosystems

The Integrative Stewardship of Extreme Environments (ISEE) research cluster within the School of Mathematical and Natural Sciences (SMNS) at Arizona State University (ASU) seeks applicants for the Presidential Graduate Assistant (PGA) Fellowship Program to start at ASU in Fall 2026. ISEE is an interdisciplinary research cluster working across the natural and mathematical sciences on conservation issues, and the recruited students will work across these disciplines with a primary focus in one of the following PhD Programs at ASU: The School of Life Sciences (e.g., Biology, Animal Behavior, Environmental Life Sciences, Evolutionary Biology, etc.), School of Sustainability, School of Mathematical and Statistical Sciences (e.g., Mathematics, Applied Mathematics, Statistics), or School of Computing and Augmented Intelligence (e.g., Computer Science; Data Science, Analytics, and Engineering).

The Presidential Graduate Assistantship (PGA) is a merit-based award created to support the recruitment, professional development and faculty mentoring of doctoral students whose research teaching and service will contribute to advancing the ASU Charter. The program creates opportunities to recruit and mentor doctoral students enrolling in an on-campus immersion degree program who offer great potential to advance into the professoriate and other careers. This program ensures our continued evolution as a premier public research institution with a fundamental responsibility to the communities that it serves.

ISEE is seeking students interested in performing research on conservation biology within extreme environments under the supervision of one or more of the faculty within the research cluster. Research questions could be focused on investigating fundamental biological processes (ecology, evolution, behavior, biogeochemistry, etc.), applied contexts (i.e., the nature/impact of conservation threats on biodiversity), and may utilize a range of tools in mathematical modelling, computing (e.g., artificial intelligence and machine learning), and biological sciences. ISEE seeks to recruit two students for the program to work within a collaborative network of faculty and students on research taking place within ecosystems that uniquely challenge the biological limitations of life in the southwestern U.S. or globally. Competitive applicants will be excited about developing interdisciplinary collaborations, and because partial funding for these positions comes from the U.S. N.S.F. Center for Analysis and Prediction of Pandemic Expansion (APPEX) program, students will be expected to develop some collaborative research in this area during their time in graduate school.

The Presidential Graduate Assistantship position offers: - Financial Support: Four years of funding (full tuition coverage, stipend, and health insurance), contingent upon satisfactory academic progress. - Research Opportunities & Mentorship: In addition to training in research, the PGA program will provide training in collaboration, mentorship, teaching, and science communication. The doctoral student will work with a principal mentor to develop an Individual Development Plan tailored to their research interests and career goals. - Professional Development: The doctoral student will join a cohort of scholars across ASU and participate in specialized training, workshops, networking, and mentorship opportunities provided by the Office of Inclusive Excellence and the Graduate College.

Faculty Recruiting PhD students: - Becky Ball focuses on the impacts of human activities on soil biology and biogeochemistry in extreme ecosystems - Anthony Barley does research on the ecology, evolution, conservation, and genomics of reptiles and amphibians - Alli Cramer focuses on Marine ecology, Landscape ecology, Data Science, and Remote Sensing. - Nina Fefferman focuses on mathematical modelling of infectious diseases and conservation biology - Yixuan He focuses on graph ma-

chine learning, artificial intelligence, network analysis, and mathematical modelling. - Chad Johnson focuses on Animal behavior and urban ecology. - Sheila Miller Edwards focuses on mathematics, applied mathematics, network analysis, explainable artificial intelligence, machine learning, and use of AI in conservation.

To Apply: To be considered for the program, students should submit a CV and a 500 word statement describing their research/educational background, graduate school research interests (including how training within the graduate program they would seek a PhD from, and under the particular faculty member(s) with which they would seek training, uniquely fits in that context), as well as the ways in which they anticipate advancing the ASU Charter during their graduate education. For full consideration for

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

AuburnU BehaviorEvolution

Graduate Student Position in Termite Behavior and Evolution Mizumoto Lab, Auburn University

The Mizumoto Lab at Auburn University is recruiting one graduate student, preferably at the PhD level with prior master's experience, to start in Fall 2026 (August).

Research focus Our lab studies the evolution of termite sociality and collective behavior. We combine behavioral experiments, comparative analyses, fieldwork, and computational and theoretical methods to understand how social and socio-sexual behavior evolve across species.

Research areas The student will work on projects related to termite behavior and evolution. Ongoing projects include:

* Comparative analysis of termite collective building * Evolution and mechanisms of tandem running * Theoretical and computational modeling on social evolution * Comparison of behaviors between termites and cockroaches

Students will begin a defined research project within the lab's core research themes, developed in discussion with Dr. Mizumoto. As the project progresses, students are expected to develop an independent sub-project within the scope. Projects may involve fieldwork, behavioral observation or experiments, computational analysis, or theoretical or modeling. The lab does not focus on molecular or genetic approaches.

The Position Graduate students are fully funded through research assistantships and will conduct research under the guidance of Dr. Nobuaki Mizumoto. Students are expected to present their research at national and international conferences, publish papers in peer-reviewed journals, and actively participate in laboratory and departmental events. Applicants should have a strong interest in animal behavior, evolution, ecology, or a related field. Prior experience with insects, behavioral research, quantitative analysis, programming, or modeling is helpful but not required. Motivation, communication, and sustained engagement are essential.

Application Interested applicants should email Dr. Nobuaki Mizumoto (nzm0095@auburn.edu) with:

1. CV 2. A brief statement of research interests 3. Contact information of three references

Review of materials begins on Jan 31, 2026. Auburn University is an R1 research university located in a vibrant college town with easy access to natural areas. The Mizumoto Lab is part of the Department of Entomology & Plant Pathology, which hosts a friendly and collaborative community, including several labs working on social insects (ants, bees, termites).

Contact: Nobuaki Mizumoto, Assistant Professor Department of Entomology & Plant Pathology Auburn University, Auburn, AL, US E-mail: nzm0095@auburn.edu Website: mizumoto-lab.com/

Nobuaki Mizumoto <nzm0095@auburn.edu>

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AuburnU EvoDevo

Graduate students needed:

The Range lab at Auburn University is recruiting graduate students interested in evolutionary developmental biology (www.therangelab.com). Research in the lab focuses on understanding the evolution of developmental mechanisms that control early axis formation as well as developmental timing. Currently, we use temperate and Antarctic echinoderm sea urchins as well as temperate hemichordate acorn worms as comparative models.

A NIH-funded research project uses sea urchin embryos to explore how an interconnected network of three different Wnt signaling pathways (Wnt/Beta-catenin, Wnt/JNK, and Wnt/Ca2+) coordinate the specification and patterning of the anterior-posterior axis during early embryogenesis. We also use hemichordate embryos to compare and contrast early anterior-posterior axis formation between these phyla to provide insight into anterior-posterior axis formation in the common deuterostome ancestor.

Another project funded by the NSF focuses on uncovering adaptations to the early gene regulatory networks used by the Antarctic sea urchin Sterechinus neumayeri that allow them to develop at sub-freezing temperatures. We anticipate that this study will not only inform our understanding of the molecular mechanisms required for adaptation to an extreme environment but also will provide insight into how early embryonic developmental rate is controlled in sea urchins as well as other metazoans.

The positions are for master's and PhD students beginning in the Fall of 2026 or Spring of 2027. Students will have the choice to work on any number of projects in the lab. The positions offer training in a combination of molecular manipulations, high-throughput genome-wide assays and bioinformatics, gene regulatory network analysis as well as classical embryology.

Auburn is a Tier 1 research institution with great facilities and research support. The university is situated in the quintessential college town of Auburn, Alabama and is located close to several major cities (e.g., Atlanta [1.25 hrs] and Birmingham [2 hrs]), the beaches along the Gulf and Atlantic coasts, and the Appalachian Mountains. You can learn more about the Department of Biological Sciences at Auburn University at http://www.auburn.edu/cosam/departments/biology/ . Interested applicants should contact Dr. Ryan Range at range@auburn.edu. With your inquiry, please include a CV and a brief description of your research interests and experience. GRE scores are not required by the Department of Biological Sciences at Auburn.

Applications for Fall 2026 are accepted until February 1st, 2026. Spring 2027 applications will be assessed after Feb1st and up until October 2026.

Ryan Range <range@auburn.edu>

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BC-CAS Czechia ButterflyEvolHighElevations

Graduate position: BC-CAS_Czechia.ButterflyEvolutionHighElevations

PhD Position: Butterfly Conservation Genomics

(Please, feel free to distribute to all potential candidates)

Closing date: January 11, 2026

We are seeking a motivated PhD student to join our international team at the Biology Centre of the Czech Academy of Sciences. You will be part of an exciting research project aimed at understanding rapid evolution and adaptation in butterflies flying at high elevations. The goal of the PhD work is to infer climatic niche evolution and species diversification in tropical mountain butterflies (Pierini whites), and to test for adaptive evolution of flight performance in species from the tropical Andes of Peru.

You will have the opportunity to carry out extensive fieldwork along two elevational transects (approx. 1,500???4,000 m) in Peru, performing behavioral experiments to quantify butterfly flight performance. Research visits to European collaborators and Natural History Museums are expected, where you will measure wing shape, size and coloration using morphometric and modern imaging tools. This framework will allow you to assess how environmental drivers, phylogenetic history and eco-morphological variation shape high-elevation butterfly adaptation.

You will benefit from international networking, hands-on training and research mobility, working within a collaborative and multidisciplinary team.

Priority will be given to candidates who have co-authored at least one scientific publication (submitted or accepted). Experience with morphometric analysis, climatic niche modelling and/or significant fieldwork experience in tropical mountains is advantageous.

Required qualifications:

- Master's degree in biology or related fields (awarded before start).

- Good communication skills in English.

- Independence and documented research productivity.

Funding and Environment:

The position is fully funded through a combination of research grant salary and student stipend. The PhD program (4 years) is based at the Faculty of Science, University of South Bohemia (https://www.prf.jcu.cz/-en).

The research facility at the Biology Centre CAS (https://-/www.entu.cas.cz/en/) is in Ceske Budejovice, a charming historical city in the south of the country, within easy reach of Prague and Vienna. Our working environment (Department of Ecology, Institute of Entomology) is highly diverse and international.

How to apply:

Send your application in English to pavel.matos@entu.cas.cz, consisting of one single PDF containing the following:

- Cover letter, outlining your motivation, how your background and skills fit the project, and your potential plans within the research focus of this position (max. 2 pages).

- CV, including contact details of at least two referees familiar with your work.

The deadline for applications is January 11, 2026. The top ranked candidates will be selected for an interview in English. The start date is expected in spring 2026.

For further information, please do not hesitate to contact me.

Dr. P??vel Matos-Marav??

Biology Centre, Czech Academy of Sciences

Brani??ovsk?? 31, 37005, ??esk?? Bud??jovice, Czech Republic

Email: pavel.matos@entu.cas.cz

Web: https://pavelmatos.wordpress.com/ Matos Maravi Pavel Fortunato <pavel.matos@entu.cas.cz>

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CharlesU Prague SocialInsectEvolution

Reproductive division of labor in facultative eusocial Hymenoptera

1 PhD Position (funding for four years), Department of Zoology, Charles University, Prague Supervisor: Michael Mikát Starting date: October 2026

Deadline of call: 6st March, 2026

Insect societies are among the most successful and fascinating outcomes of evolution, largely due to the presence of workers individuals who sacrifice their own reproduction to support the reproduction of others. Reproductive altruism is a central concept in the study of social insects, yet much remains unknown about the conditions that enable its emergence. While a substantial body of theoretical research exists on the origins of reproductive altruism, few studies have investigated the extent of this phenomenon in simple insect societies.

This project seeks to explore reproductive skew in carpenter bees (Xylocopinae), a group characterized by relatively simple social structures, using genetic markers. Student will assess within-nest relatedness across 10 Xylocopinae species and integrate our findings with data from approximately 20 other simple social Hymenoptera species. By identifying the key factors influencing reproductive skew and testing the applicability of existing reproductive skew models, we aim to refine or develop more accurate models. Ultimately, our research seeks to shed light on the origins and persistence of reproductive division of labor, advancing our understanding of the evolution of social insects.

Required Qualifications: - MSc degree (for Ph.D. applicants) in the field of biology. - Strong writing and communication skills. - Interest in the evolution of social insects. - Passion for biology.

Preferred Qualifications: - Experience with entomological research. - Proficiency in statistical analysis (e.g., R). - Programming skills (e.g., Python). - Experience with bioinformatics. - Ability to work and endure harsh field conditions. - Familiarity with relatedness analysis, particularly using microsatellites.

Prospective candidates should submit an academic CV (including a list of publications). Additionally, please provide a motivation letter addressing the following

points: a) The biological questions and approaches that interest you most. b) Your interest in and experience with social insects. c) Your previous experience in biological research. d) Provide references to senior researchers you have collaborated with in the past.

The deadline for this call is March 6, 2026. The most promising candidates will be invited to an online meeting, which will take place during March.

Supervisor: Michael Mikát https://www.researchgate.net/profile/Michael-Mikat?ev=hdr_xprf Team members: Jiøí Hadrava, Daniel Benda Department of Zoology, Faculty of Science, Charles University, Prague, Czech Republic Contact: michael.mikat@gmail.com (if you are interested to additional info, do not hesitate to ask)

Michael Mikát <michael.mikat@gmail.com>

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ConcordiaU Montreal Biodiversity

Graduate position available PhD in Community Ecology & Biogeography Lab: Prof. Lessard, Concordia University, Montréal, Canada

We invite applications for a funded PhD position starting Fall 2026. Research topics include biodiversity, insect ecology (ants, bees, dragonflies, soil arthropods), spatial ecology, global-change biology, ecological networks and data-driven modeling (R / GIS / quantitative ecology). The project will combine fieldwork, lab work, and computational analyses.

Funding: stipend + TA/RA support Eligibility: MSc (or equivalent) in Ecology, Biology, Environmental Science or related field; background in ecology, entomology, GIS/data analysis is an asset. International applicants are welcome.

To apply: send merged PDF: CV, cover letter (statement of research interests), academic transcripts, and contact info of 2-3 referees to: alisa.makusheva@concordia.ca Application deadline: January 9, 2026 Full role description https://app-ca.clickdimensions.com/blob/concordiaca-a8jj7/files/-communityecologybiogeographylab.pdf?m=12/1/-2025%2011:22:58%20PM Questions? Feel free to contact me. Please circulate among your networks.

Alisa Makusheva <alisa.makusheva@concordia.ca>

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EastTennesseeStateU DaphniaEvolution

East Tennessee State University - MS position

We have a MS graduate assistantship available to work in Lev Yampolsky's lab. Starting date August 2026. The successful candidate will participate in one or both of the following projects: "Extending Daphnia lifespan by interventions mimicking caloric restriction" or "Evolution of salinity and desiccation tolerance in Daphnia". ETSU is a rapidly developing regional university aiming to become an R1 institution located in a beautiful country in North-East Tennessee. Department of Biological Sciences faculty include those with interests in plant biochemistry, protein folding, synthetic biology, chemical ecology, forest ecology, genomics, circadian rhythms and evolutionary genetics, among others.

Please contact Lev Yampolsky, yampolsk@etsu.edu for inquiries. Program description and application instructions: https://www.etsu.edu/gradschool/masters-degrees.php . Lev Y Yampolsky Professor Department of Biological sciences East Tennessee State University Johnson City TN 37614 USA

yampolsk@etsu.edu

423 676 7489

"Yampolsky, Lev" <YAMPOLSK@mail.etsu.edu>

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LaTrobeU Two SensoryEvolution

PhD positions in Sensory Biology Institution: La Trobe University, Melbourne, Australia Start: 2026

We are seeking two PhD students to join a research group investigating the evolution and function of sensory systems and coloration, with a particular focus on insects. The projects address how animals perceive their environments, how sensory constraints and ecological

conditions shape signal design, and how these interactions influence behaviour and fitness. Students will be based in the School of Agriculture, Biomedicine and Environment at La Trobe University and will be part of a collaborative, international research network.

Project 1: Evolution of deep-red vision and infrared sensitivity in jewel beetles This project investigates how jewel beetles detect and use long-wavelength light and heat cues, and why these sensory abilities have evolved. Key questions include how deep-red vision and thermal sensing contribute to habitat selection, mate finding, and host detection. The project combines field and laboratory approaches, including behavioural experiments, electrophysiology, and microscopy, and involves collaboration with international experts in visual and thermal sensory biology.

Project 2: Evolutionary functions of animal coloration in predator-prey interactions This flexible project focuses on how animal coloration evolves in response to sensory systems, ecological context, and selection imposed by predators and prey. Possible themes include signal detectability, camouflage, warning coloration, and how environmental conditions alter perception and signal efficacy. Work will primarily involve invertebrates (e.g. insects and spiders) and integrate behavioural ecology, sensory physiology, anatomy, and biomechanics.

Environment and training La Trobe University is located in Melbourne, Australia, and offers a vibrant research environment with access to modern facilities and a diverse academic community. Students will receive training in evolutionary theory, experimental design, and quantitative approaches, and will be encouraged to develop independent, hypothesis-driven research programs.

Applicants should have a strong interest in evolutionary biology, sensory ecology, or behavioural ecology, and hold a First-Class Honours or Master's degree (or equivalent). Prior research experience and publications are advantageous.

Application deadline: 15 February 2026 To apply, please send the below to Amanda:

A cover letter outlining relevant skills and experience A statement of personal research interests A CV Academic transcripts/grades Contact details for two referees (including a research supervisor)

For enquiries, contact Dr Amanda Franklin (a.franklin@latrobe.edu.au) www.amanda-franklin.com

Amanda Franklin (she/her) ARC DECRA Fellow, Lecturer Department of Ecological, Plant and Animal Sciences La Trobe University | Bundoora, Victoria 3086 Australia E a.franklin@latrobe.edu.au | W https://scholars.latrobe.edu.au/afranklin La Trobe University | TEQSA PRV12132 - Australian University | CRICOS Provider 00115M

Amanda Franklin <A.Franklin@latrobe.edu.au>

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London EvolutionaryEcolMemory

PhD opportunity: How memory evolves: Integrating Animal Behaviour, Neuroscience and Experimental Evolution in Drosophila

Supervisor: Professor Elli Leadbeater (UCL)

Co-supervisors: Professor Max Reuter (UCL); Dr Florencia Camus (UCL); Dr Tamara Boto (Bristol University)

Associative memory is one of the most fundamental building blocks of the animal mind, but it is far from a singular, uniform process. Our research group is using the fruit fly Drosophila melanogaster to explore how associative memory evolves in response to different ecological selection pressures, what constrains its evolution, and how changes to memory affect performance in ecologically realistic tasks. We are looking for a PhD student who is interested in combining experimental evolution, psychology, ecology and neuroscience to understand the relationship between short- and long-term memory phases, and their roles in foraging and oviposition behaviour. The core work will involve creating memory-based selection lines, performing cognitive assays and measuring life-history traits, but in the later stages the project is open to development in various directions according to the successful applicant's interests and experience, which might include transcriptomics, neurogenetics and/or evolutionary ecology. This is an unusual opportunity to understand cognitive evolution by capitalizing on an experimental model with well-understood neuroscience and the potential to evolve in the lab.

About us: The project is based at the UCL Bloomsbury Campus in Central London, in the research group of Professor Elli Leadbeater (lead supervisor). The supervisory team also includes expertise in Evolutionary Genetics (Professor Max Reuter) alongside life-history evolution and metabolism (Dr Florencia Camus) and neuroscience of learning and memory (Dr Tamara Boto, University of Bristol). You will be based in the Department of Genetics, Ecology and Evolution, and will be

a key contributor to our Drosophila research grouping as well as to our vibrant and diverse wider research community, both of which are host to many early-career researchers working on related themes.

About you: A BSc degree is essential, and we welcome applicants from relevant subject backgrounds such as Biological Sciences, Neuroscience, Psychology, Genetics or Animal Behaviour. Experience of working with insects is desirable but not critical, but strong evidence of motivation to study evolution and experience of independent research (e.g. through a BSc or MSc project in a relevant area) is very important. A collegiate research culture is critical for us and we are keen to find applicants who contribute to all aspects of research life, including outreach and departmental culture initiatives.

The project will start in September 2026. Due to funder restrictions, one application route is open to UK home students only, with a deadline of 20th January 2025 5pm UK time. However, international applicants can apply via the TREES DLA (https://www.trees-dla.ac.uk/); please note that this route has an earlier deadline of 17th December 2025 5pm UK time. In either case, the first application step is to contact Professor Elli Leadbeater (Ellouise.Leadbeater@ucl.ac.uk) to discuss the position before applying.

Eligibility for UK home fee status can be checked here: https://www.ucl.ac.uk/students/fees-and-funding/-pay-your-fees/fee-schedules/student-fee-status Elli Leadbeater Professor of Ecosystems and Biodiversity Research People and Nature Lab, CBER Department of Genetics, Evolution and Environment University College London

“Leadbeater, Ellouise” <ellouise.leadbeater@ucl.ac.uk>

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LundU SymbiosisMulticellularity

Symbioses and the evolutionary transition to multicellularity

A fully funded PhD position is available to work on the evolution of symbioses and transitions to multicellular life.

Across the tree of life, multicellularity has repeatedly evolved, but how and why has this happened? Many multicellular organisms rely on symbioses to survive and reproduce. For example, species as diverse as land plants, insects and corals have critical partnerships with microbes to acquire essential resources. However, whether such partnerships were important during the initial evolution of multicellularity remains unclear.

This PhD position will help address this gap by studying symbioses between bacteria and green algae and how this influences the evolution of multicellularity. Across the green algae radiation there are unicellular and multicellular species that represent multiple gains and losses of multicellularity. We have a wide range of unicellular and multicellular algae in the lab, such as Chlamydomonas and Volvox species, that have different bacterial communities. In addition, we have access to long-term monitoring data of lakes across Sweden documenting when and where different algal species occur. Together, this enables experimental investigations into the initial evolution of multicellularity and studies on the ecology of unicellular and multicellular species in nature.

It is envisaged that the project will use a combination of experimental evolution, comparative genomics and sampling of natural systems. For more details see papers here: https://charliecornwallis.github.io/Group/ Apply here: https://lu.varbi.com/en/what:job/jobID:879408/ Charlie Cornwallis

Professor of Evolutionary Biology

Department of Biology Lund University

Kontaktvï¿½gen 10 SE-223 62 Lund Sweden Web: https://charliecornwallis.github.io/Group/ Charlie Cornwallis <charlie.cornwallis@biol.lu.se>

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MaxPlanck Ploen EvolutionaryBiology

MaxPlanckInstitutePloen_Germany.IMPRSEvolBio

IMPRS EvolBio offers a variety of doctoral positions at the Max Planck Institute for Evolutionary Biology Ploen, Germany, starting in September 2026.

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/imprs Motivated, career-minded, and curiosity-driven individuals with a passion for evolutionary biology are welcome to apply. Applications can be submitted December 10, 2025 to January 11, 2026.

Angela Donner <donner@evolbio.mpg.de>

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MississippiStateU EvolutionaryBiol

Multiple Graduate Assistants

The Department of Biological Sciences at Mississippi State University (MSU) is actively recruiting students for both M.S. and Ph.D. programs to start in August of 2026.

MSU is classified as a "Very High Research Activity" R1 institution by Carnegie. Starkville is a small, progressive college town recently named "Best Small Town in the South" by USA Today (https://starkville.org). This accolade reflects an exceptional standard of living and proximity to natural areas including the Noxubee National Wildlife Refuge (https://www.fws.gov/refuge/-sam-d-hamilton-noxubee), and the Tombigbee National Forest. MSU is the primary land-grant university in the state with over 23,000 students. The department prides itself on maintaining a collegial and collaborative environment, with diverse research interests spanning genetics, microbiology, ecology, systematics, bioinformatics, cell, developmental, and evolutionary biology. Current funding comes from the NIH, NSF, several other federal agencies, as well as a variety of state and private organizations. There are also numerous resources available across the university (www.research.msstate.edu/-centers-institutes). In-house, there are new imaging and high-performance computing resources, the MSU herbarium (MISSA), a BSL-2 AALAC animal care facility, a forest reserve, and common-use molecular and imaging facilities. Also notable, MSU hosts the Ulysses S. Grant Presidential Library (https://www.usgrantlibrary.org).

The Biological Sciences Department has ample funding available to support students. Recent applicants to the NSF Graduate Research Fellowship Program have found success, and many students are supported on grants via Research Assistantships. With more than 1,000 undergraduate majors, the department maintains over 50 Teaching Assistantships, allowing the department to guarantee support to M.S. students for up to three years, and to Ph.D. students for up to five. The department also provides annual funding for travel and research to students on a competitive basis.

Those interested in applying to the program should contact members of the Graduate Faculty (biology.msstate.edu) whose research foci align with their interests. Those who identify an advisor interested in directing their research will be eligible for application fee waivers, travel support to visit campus and the department, and first-year stipend enhancements worth $2,500. Please reach out by January 15, 2026, for full consideration for these recruitment incentives.

Faculty with active research programs in the field of evolutionary biology and genetics include Dr. Matt Ballinger (ballingerlab.weebly.com), Dr. Matthew Brown (amoeba.msstate.edu), Dr. Amy Dapper (amydapper.com), Dr. Phillip Davidson (davidsonlabmsu.github.io), Dr. Ryan Folk (ryanafolk.com), Dr. Jean-François Gout (https://sites.google.com/view/-goutlab), Dr. Megan Smith (meganlsmith.org), Dr. Benjamin Stone (benstemon.github.io), and Dr. Mark Welch (markwelchmsu.wordpress.com).

Dr. Mark E. Welch Graduate Coordinator Department of Biological Sciences Mississippi State University

"Welch, Mark" <welch@biology.msstate.edu>

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Netherlands Three EvolutionaryBiol

Open call 18 January 2026 3 positions within the Evolve Doctoral Fellowship programme:

Integrating systems chemistry and evolutionary perspectives on the origin of life

Adaptive behaviour of supramolecular structures scrutinised at the single-particle level

STED Super-resolution microscopy to reveal early cellular mechanisms of cell division

Submit your own project

About Evolve Where do we come from? One of the oldest and deepest questions for humanity is about the origin of life. This is not just about looking back, but inextricably connected to questions about the world we live in, and our future. Where are we heading? Are we alone in the Universe? Can life cope with self-inflicted phenomena such as climate change and virus pandemics? Driven by fundamental advances in biology, astronomy, physics, and chemistry, we are now making exciting progress, and starting to grasp some details about the origin of life on Earth and beyond. Learn more: http://-/evolve-programme.eu/ . As a PhD candidate in the Evolve Doctoral Programme you are given the opportunity to work on an interdisciplinary research project with several supervisors from the participating research institutes.

Together with the other PhD candidates, you will follow a joint research and training programme, consisting of scientific lectures, academic and professional skills training, and career guidance.

Qualifications

You qualify as a PhD candidate in the Netherlands, meaning that you are in the possession of, or about to obtain, an internationally recognized Master's degree in the relevant field (equivalent to a Dutch Master's degree). All European MSc degrees are accepted.

You have an educational background in one or multiple fields relevant to the Evolve Doctoral Programme, such as (bio)chemistry, (bio)physics, molecular biology, computational science, systems biology, evolutionary biology, ecology, astrophysics, geoscience or a related field.

To fulfil the eligibility requirements, you must not already be in possession of a doctoral degree.

To comply with EU funding rules, you will not have resided in the Netherlands for more than 12 months in the 3 years prior to 18 January 2026.

You are proficient in the English language at an academic level.

Note: You do not need to come from an EU member state. Candidates from all over the world can apply.

How to apply Find all application requirements and submission information on our website: https://evolve-programme.eu/apply/ . This call is open until 18 January 2026, 13:00 CET.

Reach out at evolve-programme@rug.nl with any questions.

"Kruger-Zwart, L." <l.kruger@rug.nl>

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NewMexicoStateU EcophysEvoMollusc

The Linscott Lab at New Mexico State University is seeking motivated graduate students (MS or PhD) for Fall 2026. Our research explores the rules of life that govern the expression and diversity of biological forms in nature, how these rules shape biodiversity across micro- and macroevolutionary scales, and exposing their relevance for the conservation of extant species.

Our work centers on ecophysiological constraints (EPCs) - physiological limitations modulated by the environmental availability of key metabolic resources. These âof life' influence the energetic costs of trait synthesis and function based on the availability of a limiting environmental resource. We use EPCs as ways of understanding how the environment has shaped morphology, spatial patterns of biodiversity, and adaptive divergence through time and space.

As a way to understand ecophysiological evolution more generally across both micro- and macroevolutionary timescales, we primarily use non-marine molluscs as an empirical system. However, we also welcome students interested in other ecophysiologically constrained groups (e.g., diatoms, plants, crustaceans). Our goal is to leverage variation across different clades, environments, morphologies, and body plans to advance a general understanding of ecophysiology and systematics.

Many of our projects address the habitat requirements, systematics, and conservation of species of concern, often in direct collaboration with wildlife managers and conservation agencies. We employ diverse approaches including isotopic analyses, population genomics, and phylogenetic comparative methods to address both applied and basic science questions.

Required Qualifications -â.S. in evolutionary biology, genetics, ecology, zoology, or a related field -âwork ethic, motivation, and commitment to research and conservation -âwritten and verbal communication skills -âto work independently and collaboratively

Preferred Qualifications -âwith R programming or bioin-

formatics tools -âor strong interest in molluscs, ecophysiology, or systematics -âresearch experience -âwith molecular or wet-lab techniques

To Apply: Interested students should visit the lab website (https://linscottlab.com) and contact Dr. T. Mason Linscott (linscott[at]nmsu.edu) with the following materials: 1. Curriculum Vitae (CV) 2. Description of research interests emphasizing alignment with the lab's focus.

linscott@nmsu.edu

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NHM UCopenhagen VertebrateComparativeGenomics

PhD fellowship in Genomics - PhD Project in Vertebrate Comparative Genomics See the ad: https://-employment.ku.dk/phd?show=153713 The Natural History Museum Denmark invites applicants for a 3-year PhD fellowship in comparative genomics studying the genomic basis of miniaturisation in vertebrates. The project is part of the research project GEMINI, which is funded by an ERC Starting Grant to PI Assoc. Prof. Mark D. Scherz.

Starting date is expected to be April 1, 2026 or as soon as possible thereafter.

The project This project is seeking to elucidate the genomic underpinnings and consequences of miniaturisation in vertebrates. By harnessing high-quality genome resources, the project will seek to answer questions including "What happens in the genomes of vertebrates undergoing miniaturisation" and "To what extent are changes in the genome of miniaturised vertebrates deterministic consequences of size reduction".

Your task will be to generate (with a mixture of labwork and bioinformatics) reference-quality genomes of miniaturised and related non-miniaturised vertebrates. The goal is to create an analytical framework on which we can test key hypotheses. You will help in the generation of the whole genome alignments, and investigate a number of hypotheses as part of the project.

Who are we looking for? We are looking for candidates within the field(s) of comparative genomics and evolution. Applicants can have a background from bioinformatics, comparative genomics, evolutionary biology, computational biology, or a related field.

The ideal candidate should

* be familiar with coding bioinformatic pipelines * have good command of at least one of the following coding languages: R, bash, python, perl * have some experience of molecular laboratory work * be both flexible and reliable, and eager to learn new skills * be collaborative and communicative * have good written and oral skills in English. * Familiarity with zoology is desirable but not essential.

The Scherz Lab One of the key focus areas of Mark D. Scherz's lab is the evolution of miniaturisation in vertebrates. We seek to answer fundamental questions, such as "what is the lower limit for the vertebrate bauplan" and "what kind of modifications are necessitated by extreme size reduction of vertebrate anatomy" to get at the core question of the role of extreme body size shift in generating novelty and innovation.

Other topics we are working on in the group include museomics (sequencing DNA from archival material), systematics and taxonomy, and macroevolution of skeletal and gross anatomy. You can read more about the work we are doing at www.markscherz.com/lab . The group is a part of the Natural History Museum Denmark, Faculty of Science, University of Copenhagen. We are located in Copenhagen, with office space at the Sølvgade complex at Ãster Farimagsgade 2, 1353 København K, beside the botanical garden in the centre of the city.

We offer creative and stimulating working conditions in a dynamic and international research environment. Our research facilities include museomics laboratories and advanced microscope and imaging labs among other facilities, 14 million natural history collections within geology, botany and zoology, and a botanical garden with living scientific plant collections.

Principal supervisor is Associate Professor & Curator of Herpetology Dr. rer. nat. Mark D. Scherz, Natural History Museum Denmark, mark.scherz@snm.ku.dk The PhD programme The PhD programme of the Faculty of Science is a three-year full-time study within the framework of the regular PhD programme (5+3 scheme).

Qualifications needed for the regular programme To be eligible for the regular PhD programme, you must have completed a degree programme, equivalent to a Danish master's degree (180 ECTS/3 FTE BSc + 120 ECTS/2 FTE MSc) related to the subject area of the project, e.g. biology with a component of genomics, bioinformatics, or computational biology. For information of eligibility of completed programmes, see General assessments for specific countries

< https://ufm.dk/en/education/recognition-and-transparency/find-assessments/general-assessments-for-specific-countries?set_language=en&cl=en > and Assessment database < https://ufm.dk/en/education/-recognition-and-transparency/find-assessments/-assessment-database >.

Terms of employment in the regular programme Employment as PhD fellow is full time and for maximum 3 years.

Employment is conditional upon your successful enrolment as a PhD student

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

NorthernMichiganU EvolutionOfFreshwaterFish

Graduate position in freshwater fish evolution The Mandeville Lab at Northern Michigan University is recruiting a MS student to work on the evolutionary genomics of freshwater fish (start date fall 2026).

Research in our lab focuses on how evolutionary processes shape freshwater fish biodiversity. Specific project topic will depend on the interests of the successful candidate, but possible focus areas include hybridization, effects of anthropogenic disturbance, population connectivity, and the evolution of fish sex determination mechanisms. We work on many different groups of freshwater fish, including but not limited to suckers, whitefish, dace, and leuciscid minnows. Please see our lab website for additional information and recent publications: https://lizmandeville.github.io . Candidates interested in evolution, fish biology, ecology, genetics, conservation, or related fields are encouraged to apply. Desired qualifications include strong writing skills, excellent critical thinking, and the ability to balance working independently and collaboratively. All projects will involve analysis of high resolution genomic data, requiring computational approaches and high performance computing. No prior computational experience is required, but applicants without previous experience must be enthusiastic about building their computational skills. The Mandeville Lab is an inclusive environment that supports researchers with diverse identities, and encourages applications from students who are members of historically excluded groups.

NMU is located in Marquette, Michigan, in the Upper Peninsula of Michigan. Marquette is a small but vibrant city on the southern shore of Lake Superior, located close to beautiful natural areas. It's a great place to live and work, and the proximity to many of our field sites enables us to do satisfying work integrating ecological and evolutionary questions.

To apply, please send a letter of interest, CV, transcript (unofficial is fine), and contact in- formation for three references to Dr. Liz Mandeville, lmandevi@nmu.edu. Review of applications will begin immediately, and will continue until a suitable candidate is identified. Please apply by Dec. 15 for full consideration.

Liz Mandeville (she/her) Associate Professor Biology Department Northern Michigan University 1401 Presque Isle Ave. Marquette, MI 49855 USA https://-lizmandeville.github.io lmandevi@nmu.edu

Liz Mandeville <lmandevi@nmu.edu>

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Stockholm MacrogenomicsOfSeaWarming

One PhD position (4 years, start mid-2026) in evolutionary genomics to work on the macrogenomics of sea warming at the Swedish Museum of Natural History (www.nrm.se), Stockholm.

The project will use population genomics analyses of modern and historical genomes for several marine species, and simulations to study the past and future responses of marine species to climate change.

The student will be supervised by Dr. Nicolas Dussex (Swedish Museum of Natural History, Stockholm) and Dr. Mafalda Ferreira (Department of Zoology, Stockholm University).

Please apply here: https://recruit.visma.com/spa/-public/apply?guidAssignment=e45ea41e-de6c-4bfd-bcd9-e7cf98ed9c32&description=True For more information, please contact: nicolas.dussex@gmail.com

https://nicolasdussex.wixsite.com/ndevol Nic Dussex PhD

Researcher

Department of Population Analysis and Monitoring

Swedish Museum of Natural History Stockholm

https://nicolasdussex.wixsite.com/ndevol Nicolas Dussex <nicolas.dussex@gmail.com>

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SwedishUAgriculturalScienes GeneticVariation

PhD Student in Animal Science Department of Animal Biosciences

Genetic variation and genomic prediction in farm animals

We are looking for a motivated and committed PhD student who wants to understand the genetic consequences of modern breeding of farm animals and to develop the genomic breeding methods of the future.

The position involves doctoral studies where you will analyze genomic data, develop new models and simulations, and present new scientific results. You will also take courses at the doctoral level, participate in international conferences, and communicate with collaborators in academia and industry. Opportunities for research visits abroad may be available. The research combines computational modelling and simulations with the analysis of large-scale genomic data of various types. The project primarily focuses on cattle and poultry, but comparative studies with other species may also occur. There is room for you to be creative and contribute to shaping the direction of the research.

Qualifications:

You must hold a degree in animal science, veterinary medicine, natural sciences, or engineering. You must also have documented proficiency in written and spoken English.

Examples of knowledge and skills that may be of use in the position include animal breeding, population genetics, genetic diversity, statistical data analysis (e.g., linear models, linear mixed models, genomic prediction, genomic association studies, etc.), analysis of genotype and DNA sequence data, simulations programming/scripting languages such as R or Python, working with data in a Linux environment.

Great emphasis will be placed on personal qualities such as commitment, ability to collaborate, analytical skills, independence, and initiative and organizational skills. The position will be offered to the candidate that after a qualitative assessment is deemed to be the most suitable to perform and develop the project tasks as well as contributing to a positive development of the subject area.

Place of work: Uppsala

Forms for funding or employment: Doctoral position, 4 years of study.

Starting date: According to agreement.

Application:

Apply through the online system. The deadline is 2026-01-07.

https://www.slu.se/en/about-slu/work-at-slu/-jobs-and-vacancies/doktorand/ Martin Johnsson <sorill@gmail.com>

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TexasStateU FishMacroevolution

The Borstein Lab at Texas State University is recruiting MSc and PhD students for Fall 2026 (August). Research in the lab focuses on determining the patterns and processes that underlie adaptive diversification in the most diverse group of vertebrates?fishes.

Current lab research projects include understanding the process of adaptive radiation, investigating the ecological and evolutionary consequences of key innovations, and exploring the relationship between trophic ecology and morphology. The lab takes an integrative approach to research that includes genomics, phylogenetic comparative methods, micro-computed tomography, fieldwork, kinematics, and the construction of large ecological databases.

Contact: Contact Sam Borstein with questions or to discuss potential research projects in the lab at borstein@txstate.edu

About the Lab & Texas State University: The Borstein lab (https://www.bio.txst.edu/faculty-staff/-sam-borstein.html) is housed in the Department of Biology at Texas State University. The lab is equipped with a wet lab for molecular studies as well as a high-performance computer for bioinformatics. Located in

San Marcos, Texas, Texas State University is in the heart of Texas Hill Country and only a short 30-45 minutes away from both Austin, Texas and San Antonio, Texas. Texas State University is an R2 University that is on pace to reach R1 status in the next few years.

HOW TO APPLY: A BS or BA in a relevant scientific field is required. Students are supported by the department via teaching assistantships and potentially research assistantships. If interested, please email an informal inquiry and CV to borstein@txstate.edu prior to applying. The deadline to apply for admission to the Fall 2025 PhD program is February 1st, 2026. The application deadlines for the Master's programs in the Department of Biology are rolling for U.S. citizens, while for international students the deadline is February 1, 2026.

The steps for formally applying to our graduate program can be found here for : PhD in Aquatic Resources and Integrative Biology program (https://www.gradcollege.txst.edu/programs/aquatic-resources-phd.html) M.S. in Aquatic Resources (https://www.gradcollege.txst.edu/programs/-aquatic-resources.html) M.S. in Biology (https:/-/www.gradcollege.txst.edu/programs/biology.html) M.S. Population and Conservation Biology (https:/-/www.gradcollege.txst.edu/programs/population-conservation-bio.html) M.S. Wildlife Ecology (https://www.gradcollege.txst.edu/programs/wildlife-ecology.html).

Sam Borstein Department of Biology Texas State University borstein@txstate.edu 601 University Drive San Marcos, TX 78666

borstein@txstate.edu

TrentU Canada ClimateMediatedGenomicVariation

PhD Position - Climate-mediated genomic variation in Canada lynx and snowshoe hares (Trent University)

The Integrative Wildlife Conservation Lab at Trent University (Ontario, Canada) is seeking a PhD student to investigate climate-mediated genomic variation in Canada lynx and snowshoe hares, two iconic species of the North American boreal forest. Building on long-term ecological research on both species and an established frameworkfor whole-genome or genome-wide sequencing and analysis, this project willexamine whether genomic structure and signatures of selection exhibit predictable spatial and temporal patterns associated with environmental variation across their ranges. Both lynx andhares undergo pronounced population cycles, and variation in selection andgenetic structure may arise through cyclic dynamics and related environmental stressors affecting productivity and survival. This project will evaluate how genomic variation reflects local environmental conditions and population phase, and how these patterns can be incorporated into a landscape genetics framework to assess future connectivity, fragmentation, and climate-associated adaptation. The student will have flexibility to develop independent research questions within the overarching objectives of the project.

The project will address questions such as:

How does genomic structure vary across the sympatric distributions of Canada lynx and snowshoe hares? Do patterns of genetic diversity and gene selection covary between species,and to what extent does this variation reflect local environmental conditions? Do patterns of genetic diversity and gene selection vary across population cycles and is this variation associated with changes in natural stressors? Do signatures of selection correspond to environmental gradients associatedwith climate change, and how might future climate scenarios influence genomic variation and local adaptation? How might climate-mediated changes in habitat connectivity affect gene flowamong environmentally differentiated populations?

The student will develop and apply contemporary genomic, bioinformatic, andlandscape ecology approaches, including whole-genome and/or transcriptome sequencing and/or genotyping-by-sequencing (3RAD). From these data the student will conduct population genomic analyses (phylogeography, population-assignent, Fst, Ne, inbreeding coefficients), , and landscape genetics (isoloation by distance, resistance and environement, signatures of selection). These will be integrated with Species Distribution Models (SDMs), climate projections, and spatial environmental data to generate predictive maps and quantify related patterns and uncertainty. The project is supported by existing whole-genome resources (including partial genome annotation) for both species (forthcoming) and extensive archived tissue samples collected over more than a decade.

Qualifications

MSc in Ecology, Genetics, Evolutionary Biology, or a related field At least one senior-authored peer-reviewed publication Strong quantitative and computational skills, including experience with R and bioinformatic workflows

Interest in climate adaptation, landscape genetics, and integrative ecological genomics Ability to link ecological and evolutionary questions with genomic data

Start date: Flexible (2026). Fully funded for 4+ years.

To apply, please send a CV, unofficial transcripts, a brief statement of research interests, and contact information for two references to dennismurray@trentu.ca. Review of applications will begin immediately and continue until the position is filled. See www.dennismurray.caadditional details.

Dennis Murray

CRC in Integrative Wildlife Conservation, Bioinformatics, and Ecological Modeling

Director, Bioenvironmental Monitoring and Assessment graduate program

Trent University

Peterborough, ON

CANADA

www.dennismurray.ca dennis murray <dennismurray@trentu.ca>

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TrierU Three BiodiversityChangeGenomics

In Faculty VI (Spatial and Environmental Sciences) of the University of Trier (Biogeography, Prof. Dr. Henrik Krehenwinkel), three PhD positions are to be filled in the Environmental Specimen Bank (ESB) project group from the earliest possible date:

3 PhD positions (m/f/d) - Temporal Biodiversity Change & Genomics (E 13 TV-L, each 65%, fixed-term according to WissZeitVG, for 3 years.)

Your responsibilities The German Environmental Specimen Bank (ESB) is a tool for systemically monitoring the health state of the environment and humans in Germany. It is technically and administratively supervised by the Federal Environment Agency. The German ESB collects environmental and human samples to archive them at ultra-low temperatures, analyze them for pollutants and keep them available in an unchanged state at any time. The ESB is thus a central element of environmental monitoring in Germany (please find more information at www.umweltprobenbank.de/en).

Highly standardized sampling and time series of samples from marine, limnic and terrestrial habitats going back to the 1980s give the Environmental Specimen Bank unique significance for biodiversity research. Cryogenic sample storage ensures the perfect preservation of DNA and RNA over decades. Hence, ESB samples are well-suited to investigate temporal biodiversity changes using genetic methods. We are filling three PhD positions to advance this kind of research. As part of the employment, you will investigate temporal changes in biodiversity in Germany using ESB samples. Possible research topics may include:

* Investigating genomic changes in population dynamics of selected ESB species over time * Investigating signatures of environmental stress in the transcriptome or epigenome of selected ESB species * Investigating changes in animal or microbial communities associated with selected ESB species

Please find more information on the species and sampling locations at www.umweltprobenbank.de/en. The research topic will be determined in consultation; your own ideas are welcome. Examples for current projects on biodiversity research with ESB samples include:

Junk, I., Hans, J. & Perez-Lamarque, B. et al. (2025). Archived natural DNA samplers reveal four decades of biodiversity change across the tree of life. Nature Ecology and Evolution 9, 1873-1884. Hans, J. et al. (2025). eDNA metabarcoding of archived leaf samples reveals arthropod diversity decline in South Korean but not in German forest ecosystems. Insect Conservation and Diversity, 18(6), 1150-1162. Junk, I. et al. (2023). Tracking climate-change-induced biological invasions by metabarcoding archived natural eDNA samplers. Current Biology, 33(18), R943-R944. Krehenwinkel, H. et al. (2022). Environmental DNA from archived leaves reveals widespread temporal turnover and biotic homogenization in forest arthropod communities. Elife, 11, e78521.

Participation in routine operations of the Environmental Specimen Bank project group is required. Tasks include:

* Participation in internal training sessions according to the quality management framework * Conducting biota sampling in marine, limnic and terrestrial habitats * Biometric sampling documentation * Participation in regular meetings of the ESB project group * Literature research on sampling areas and species (if applicable) * Preparation of site descriptions for sampling areas (if applicable) * Contribution to annual and activity reports

Please find more information on the ESB project group on the Biogeography website of the University of Trier.

Your profile Successful applicants have:

* A completed university degree (Master's, Diploma, or equivalent) in biology, environmental sciences, forestry, agricultural sciences, or a comparable discipline * Willingness to pursue a doctorate on an ESB related research topic using innovative molecular genetic approaches (e.g. metabarcoding, metagenomics, population genomics) * Experience in/willingness for field work * Teamwork skills * Excellent English skills (spoken and written)

German language proficiency at a level suitable for professional communication * Desirable: experience with R and statistics

Our offer

* A diverse range of tasks in biodiversity research and routine operations at the Environmental Specimen Bank * Extensive training opportunities * International research collaborations and a motivated, well- connected scientific team * A family-friendly university with vacation childcare services * Discounts for university sports and cafeteria * Annual bonus payments in accordance with tariff regulations

Please submit your application documents (letter of motivation, CV, copies of certificates) as a single PDF file to krehenwinkel@uni-trier.de. For

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UBasel ConservationGenetics

PhD fellowship in Conservation Genetics (100%) / March 1, 2026, or negotiable

The group of Plant Ecology and Evolution at the University of Basel, Switzerland (https://duw.unibas.ch/en/ecoevo/), is looking for a PhD student in the field of Conservation Genetics.

Topics of research New computational and analytical tools in population genetics allow to estimate both contemporary and past effective population sizes. With these in hands, the project aims to verify how well reported dynamics of decline in rare plant species align with inferred trajectories of effective population size. Conversely, the project will also address whether habitat and species protection has had a beneficial impact, by slowing down or even stopping species' decline when measured in term of effective population size. Should this not be the case, the role of mutation accumulation may be investigated. Practical work involves collecting of plant material, wet lab work, bioinformatics, population genetic analysis, and growing plants to assess mutation accumulation.

Your profile We are looking for highly motivated applicants with a master's degree in evolutionary biology, population genetics, or conservation genetics. In addition to an interest in evolutionary and conservation biology, the candidate should be committed to: doing field work, wet-lab work, learning about bioinformatics, including R and shell programing, and analyzing data using population genetics tools and theories. Apart, the candidate should have good self-organization, be solution-oriented, and have good spoken and written English. Having a driver's license is not a necessity but will help with field work.

We offer The fellowship is for up to 4 years. You will have the opportunity to enroll in the PhD Program in Plant Sciences (http://www.plantsciences.uzh.ch/en/teaching/phdplantscience.html) of the Zurich-Basel Plant Science Center (PSC). The program provides training in frontier topics of plant sciences and opportunities to acquire technical and transferable skills for careers in- and outside of academia. In addition, the Graduate Center of the University of Basel (https://www.unibas.ch/en/University/Administration-Services/Vice-President-s-Office-for-Education/-Academic-Programs/Graduate-Center.html) offers various training formats for PhD students and organizes networking events. Finally, Basel is a mid-sized Swiss city, well connected and offering a broad range of cultural and recreational activities.

Application / Contact Motivated applicants should submit (1) a one-page letter that summarizes interests and relevant experience, (2) their CV, (3) copies of BSc and MSc transcripts, and (4) contact information of two references. We accept only online applications (jobs.unibas.ch/offene-stellen/phd-fellowship-in-conservation-genetics/0ebeff02-82fb-492e-b78c-78919c4a7d0c). Applications are welcome until the position is filled and will be reviewed starting January 15, 2026. For more information, contact Yvonne Willi (yvonne.willi@unibas.ch).

Yvonne Willi <yvonne.willi@unibas.ch>

UBern FitnessLandscapes

We are recruiting a PhD student in the lab of Prof. Claudia Bank at the Institute of Ecology and Evolution, University of Bern. The last date of application is 9 January 2026.

A fully funded 4-year PhD position, supervised by Suman Das and Claudia Bank, is available in our group at the University of Bern, Switzerland. The position is part of the SNSF project "Navigability of rugged fitness landscapes: determinants, consequences, and evolutionary feedback", in which we study adaptation from a fitness-landscape point of view. The PhD project is theoretical in nature and will involve mathematical modelling, computer simulations, and/or data analysis.

We welcome applications from diverse scientific backgrounds (e.g., from physics, mathematics, statistics, computer science, biology). We are particularly interested in candidates who are fascinated by evolutionary biology, have a strong background in mathematical modelling and enjoy programming. Please see the link for further details. Please reach out to Suman Das (suman.das [at] unibe.ch) in case of questions.

Link: https://banklab.github.io/positions/ Regards, Suman Das Theoretical Ecology and Evolution Division Institute of Ecology and Evolution University of Bern

"suman.das@unibe.ch" <suman.das@unibe.ch>

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UEdinburgh ModellingAntibioticResistance

A PhD position supervised by Dr. Helen Alexander at the Institute of Ecology & Evolution, University of Edinburgh, is open for applications (deadline: 7 January 2026). Expected start date is October 2026.

Project title: "Mathematically modelling the emergence of antibiotic resistance in bacterial populations".

Candidates would ideally have a degree in math, physics, or another discipline with substantial mathematical/computational training, combined with motivation to answer biological questions as part of an interdisciplinary research group.

Funding for a 4-year PhD is available on a competitive basis through the Darwin Trust of Edinburgh scholarships (https://biology.ed.ac.uk/darwintrust/-phdstudenships/edinburgh).

Interested candidates should contact the supervisor in advance of applying (helen.alexander@ed.ac.uk).

For further details on the project and instructions on how to apply, please see the project listing at: https://biology.ed.ac.uk/study-with-us/-postgraduate-research/apply-for-a-phd/findaphd For more information about the research group, please visit: https://biology.ed.ac.uk/alexander Dr. Helen Alexander Royal Society University Research Fellow Institute of Ecology & Evolution University of Edinburgh

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336. Is e buidheann carthannais a th' ann an Oilthigh DhÃ¹n Ãideann, clàraichte an Alba, àireamh clàraidh SC005336.

Helen Alexander <Helen.Alexander@ed.ac.uk>

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UExeter AnimalBehaviour

We have *four* fully funded PhD studentships available in the Centre for Research in Animal Behaviour, University of Exeter (UK), to start in September 2026:

"Weaponry and aggression in wild fiddler crabs" (NERC GW4+ award, application deadline 8 January 2026) Supervisors: Tim Fawcett, Safi Darden, Martin How https://www.exeter.ac.uk/study/funding/award/?id=-5758 "From bees to physics: insect nests as active matter systems" (EPSRC award, application deadline 12 January 2026) Supervisors: Natalie Hempel de Ibarra (n.hempel@exeter.ac.uk), David Horsell, Steven Hepplestone, Matt Eames https://www.exeter.ac.uk/v8media/-recruitmentsites/documents/studentshipprojects/-From_bees_to_physics_insect_nests_as_active_matter_systems_-_Hempel_de_Ibarra_-_Psychology.pdf "The emotional basis of behaviour" (EPSRC award, application deadline 12 January 2026) Supervisors: Tim Fawcett, Danny Williamson, Andy

Higginson https://www.exeter.ac.uk/v8media/-recruitmentsites/documents/studentshipprojects/-The_emotional_basis_of_behaviour_-_Fawcett_-_Psychology-1.pdf "AI and computer vision for high-throughput behavioural monitoring in wild killer whales" (EPSRC award, application deadline 12 January 2026) Supervisors: Darren Croft, Sam Ellis, Daniel Franks, Stephanie King, Michael Weiss, Nishan De Silva https://www.exeter.ac.uk/v8media/-recruitmentsites/documents/studentshipprojects/-AI_and_Computer_Vision_for_High-Throughput_Behavioural_Monitoring_in_Wild_Killer_Whales_-_Croft_-_Psychology-1.pdf Please visit the links for further details and contact information.

"Fawcett, Tim" <T.W.Fawcett@exeter.ac.uk>

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UFreiburg ForestGenetics

The Professorship of Forest Genetics seeks to hire a *Doctoral Researcher *

* Deadline for application: 20. Januar 2026 * Start date: 1. April 2026 * Part-time position (65 %, usual conditions for PhD contracts in Germany)

The position is embedded in the project "*BeGenDiv - A multispecies genetic diversity survey for the Biodiversity Exploratories*" and will focus on characterizing the genetic diversity of tree and shrub species in the forest plots of the Biodiversity Exploratories (https://www.biodiversity-exploratories.de/en/). The PhD project will investigate the genetic diversity of around 30 tree and shrub species in landscapes characterized by diverse combinations of forest management intensity and environmental heterogeneity. The PhD project will focus on a comparative analysis among species, while multi-species indices will be developed by a postdoctoral researcher in the same project.

This is a collaborative project involving researchers from the University of Freiburg (Prof. Dr. Katrin Heer & Dr. Jill Sekely), the University of Marburg (Prof. Dr. Lars Opgenoorth), and UFZ Halle (Dr. Walter Durka). Since the project is embedded in the Biodiversity Exploratories, there will be cooperation and scientific exchange with many researchers from across Germany.

All details on tasks, profile and conditions can be found here: https://uni-freiburg.de/stellenangebot/-00004764/ Please send your application in English including supporting documents mentioned above citing the reference number 00004764, by 20. January 2026 at the latest. Please send your application to the following address in written or electronic form:

jessica.sun@forgen.uni-freiburg.de

For further information, please contact Prof. Dr. Katrin Heer on the phone number +49 761 017664604232 or E-Mail katrin.heer@forgen.uni-freiburg.de.

Prof. Dr. Katrin Heer Forest Genetics Eva Mayr-Stihl Stiftungsprofessur für Forstgenetik Albert-Ludwigs-Universität Freiburg Fakultät für Umwelt und Natürliche Ressourcen

Bertoldstraße 17, 79098 Freiburg i. Br., Germany Phone: +49 761 203 3647 www.forestgenetics.uni-freiburg.de

Katrin Heer <katrin.heer@forgen.uni-freiburg.de>

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UFreiburg PlantInsectMicrobe

Title: Open PhD position on Plant-Insect-Microbe Interactions

Dear colleagues, it is our great pleasure to share the following PhD opportunity with you:

The Chair for Forest Entomology and Protection at the University of Freiburg invites motivated natural scientists with a keen interest in the ecology and co-evolutionary dynamics of plant-insect-microbe interactions to apply for a PhD position in the project "Effects of drought and herbivory on tree physiology and microbial endophytes - a case study on Quercus petrea". This project will be part of the Excellence Cluster "Future Forests" at the University Freiburg.

Please kindly see all details about the position, project description as well as details on the application procedure under the following link:

https://uni-freiburg.de/en/job/00004720/ We are excited to receive your application.

King regards,

Peter Biedermann and Vienna Kowallik

Dr. Vienna Kowallik Albert-Ludwigs-Universität Freiburg Forstentomologie und Waldschutz Fohrenbühl 27 79252 Stegen-Wittental

Vienna Kowallik <vienna.kowallik@forento.uni-freiburg.de>

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UGraz Austria AmphipodBehavioralEvol

Graduate Position:UGraz_Austria.AmphipodBehavioralEcology

PhD position in behavioral ecology / evolutionary biology at the University of Graz, Austria

We are looking for a PhD student interested in behavioral ecology and evolutionary biology to study the coexistence of cryptic species of the freshwater amphipod Gammarus fossarum.

The focus of the PhD research lies on reproductive isolation between the cryptic species, which will be studied in the lab and in the field. Methods include field work, genetic analyses and behavioral experiments. The PhD position is embedded in a joint Austrian-Czech project (University of Graz, Charles University of Prague and University of Ostrava), which also involves studies of competitive interactions, trophic differentiation, functional morphology and parasitism, and offers opportunities for lab rotations and participations in different areas of the project.

Formal requirements include a Master's degree in biology or closely related field, and an excellent command of English. Applicants should have a strong interest in animal behavior, evolution and ecology. The field work requires a car driving license (and experience with manual gear shift). The PhD research will be supervised by Univ. Prof. Kristina Sefc.

The position is funded by the Austrian Science Fund (FWF) for a duration of three years, starting in spring 2026, with a net salary of approx. 28,000 euro per year. Graz is an attractive mid-sized city in south-eastern Austria and is appreciated for affordable living, pleasant climate, convenient distance to the Alps and the Adriatic Sea and ample opportunities for outdoor activities in its close surroundings.

Please email applications to Dr. Kristina Sefc (kristina.sefc@uni-graz.at), and send a pdf file including a statement of research interests and expertise, a CV, list of publications and presentations, and contact information of 2-3 references. Shortlisted candidates will get more details about the project and will be invited for an informal online interview.

"Sefc, Kristina (kristina.sefc@uni-graz.at)" <kristina.sefc@uni-graz.at>

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UGroningen InsectSexDetermination

PhD position: Insect sex determination

The Groningen Institute for Evolutionary Life Sciences (GELIFES - https://www.rug.nl/research/gelifes/) offers a 4-year fully-funded PhD position for a project on sex determination in flies, focusing on the black soldier fly.

Job description

Sex determination mechanisms are very diverse and undergo rapid evolutionary change, whereas the end product is always the two sexes, females and males. This PhD project aims to elucidate the genetic regulation of sex determination in black soldier fly (BSF), the major production insect in the food and feed industry. Flies show remarkable variation in modes of sex determination and genetic elements involved in their sex determination cascade. The candidate will compare the sex determination cascade across fly species to detect loss/gain-of-function gene homologs. The primary functional genetic approach of the project aims to uncover the molecular regulation of the BSF sex determination mechanism. Furthermore, the candidate will screen for sex determination variants in BSF populations using genomic sequence data and genetic crosses between strains. As males and females are commercially not of equal value, only females produce eggs that develop into larvae, manipulation of population sex ratios towards more females can be highly economically profitable. The project will yield fundamental scientific insights into the evolution of sex determination mechanisms, and we will apply the obtained knowledge to develop novel female-bias strains of the black soldier fly to improve its production economics.

Qualifications

The PhD is expected to contribute to perform research into the molecular and genetic basis of sex determination in the black soldier fly. The candidate will process the

obtained data into multiple chapters for a PhD thesis and publish in scientific journals. The candidate will gain 30 ECTS in the PhD training programme (courses and attending scientific meetings) and will spend 10% of time on teaching.

The successful candidate should have:

A Master's degree (or equivalent) in evolutionary biology or genetics, with affinity for bioinformatics, molecular biology and/or entomology

High motivation in pursuing academic research

High and demonstrated English proficiency

Effective communication (both written and spoken in English) and collaboration abilities.

Give presentations at national and international scientific meetings, and collaborate with Thomas More University in Belgium

Demonstrable project and time management skills

Conditions of employment

We offer you, following the Collective Labour Agreement for Dutch Universities:

A salary of euro 3.059 gross per month in the first year, up to a maximum of euro 3.881gross per month in the fourth and final year for a full-time working week

A holiday allowance of 8% gross annual income and an 8.3% year-end bonus

A full-time position (1.0 FTE) for 48 months. The successful candidate will first be offered a temporary position of one year with the option of renewal for another three years.

Prolongation of the contract is contingent on sufficient progress in the first year to indicate that successful completion of the PhD thesis within the next three years is to be expected.

A PhD training programme is part of the agreement, and the successful candidate will be enrolled in the Graduate School of Science and Engineering.

Organisation

Founded in 1614, the University of Groningen enjoys an international reputation as a dynamic and innovative institution of higher education offering high-quality teaching and research. Flexible study programmes and academic career opportunities in a wide variety of disciplines encourage the 35,000 students and researchers alike to develop their own individual talents. As one of the best research universities in Europe, the University of Groningen has joined forces with other top universities and networks worldwide to become a truly global centre of knowledge.

The candidate will be based in the research groups of Dr. Elzemiek Geuverink and Prof. Leo W. Beukeboom at the Groningen Institute of Evolutionary Life Sciences (GELIFES) of the University of Groningen for a period of 48 months. The candidate is expected to perform some of the research at Prof. Lotte Froonincx laboratory at Thomas More University (Geel, Belgium). Start date is Spring 2026.

Application

Your application should include:

Letter of motivation.

CV (including contact information for at least two academic references)

Transcripts from your Bachelor's and Master's degree.

Proof of written English text, preferably by Master Diploma taught in English or recent English language test; and Master thesis written in English.

You may apply for this position until 31 January 11:59pm / before 1 February 2026 Dutch local time (CET) by means of the application form. To apply:

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UHalle Germany
RegulationOfTheEusocialGenome

The Faculty of Natural Sciences, Institute of Biology, at Martin Luther University Halle-Wittenberg is seeking to fill a Doctoral Research Associate (PhD position) (m-f-d, Wissenschaftliche*r Mitarbeiter*in, salary level E 13 TV-L, 65%) for a fixed term of 3 years.Application deadline 31.01.2026.

Job description: We are looking for a research associate (PhD candidate) for a project aimed at understanding the extent to which the origin of eusociality in the socially variable halictid bees is ascribable to changes in gene regulatory mechanisms. The successful candidate will join the dynamic and diverse research group of Prof. Robert Paxton (http://www.zoologie.uni-halle.de/allgemeine_zoologie/research/) and work

under the supervision of Dr. Antonella Soro (https://-www.zoologie.uni-halle.de/allgemeine_zoologie/staff/-antonella_soro/) in close and direct collaboration with PD Dr. Sonja Grath at the LMU Munich University (https://www.lsm.bio.lmu.de/faculty/-current-members/grath/index.html). This is one of several projects focusing on genetic innovations in insects, which will be carried out across Germany as part of the DFG funded Priority Programme 'Genomic Basis of Evolutionary Innovations' (GEvol) (http://www.g-evol.com). The main aim of GEvol is to collaboratively and interdisciplinarily exploit new computational and OMICS methods to investigate mechanisms of genome evolution in the insects through comparative genomics. Being part of this priority program will offer the successful candidate excellent opportunities for networking with leading institutes in evolutionary biology in Germany and abroad and for direct collaboration. The research of this specific project includes fieldwork in Germany and the Czech Republic as well as the use of several state-of-the-art high-throughput sequencing techniques (RNA-Seq, ATAC-Seq, Cut&Tag, Enzyme-Methyl-seq) and their corresponding computational approaches. Furthermore, we expect the candidate to be engaged in the preparation of publications as well as the supervision of BSc and MSc students. This position is tied to working towards a doctorate.

Requirements: A strong interest in fundamental evolutionary questions such as the evolution of eusociality, and a strong knowledge of basic molecular techniques are essential.

More specifically: §BSc/MSc in Biology or related subject §Solid understanding of molecular biology §Basic bioinformatics skills. Familiarity with computer languages (R, Python, bash) and Linux environment is an advantage §Experience in designing and carrying out experiments with insects in the field §Excellent skills in speaking and writing in English §Social competence when working in a group §Possession of a driving licence is an advantage

We offer: §public service employment with remuneration according to the Tarifvertrag der Länder (TV-L) ('Collective Agreement for the Public Service') including an annual special payment and a company pension §a secure job with attractive working conditions (home office, flexible working hours, and variable part-time models) §30 days of annual vacation plus additional days off on December 24 and 31 §a family-friendly, diversity-oriented, and intercultural work environment at a certified family-oriented university, including holiday childcare §comprehensive staff development throughout all career stages with diverse training and qualification opportunities §a health management framework to promote and maintain good health, as well as a broad university sports program §the opportunity to participate in diverse social communities (e.g. university sports teams, university choir or university orchestra) §exciting events such as the Lange Nacht der Wissenschaften (Long Night of the Sciences), University Information Day, and the University Winter Ball §reduced-price meals in the cafeterias of the Studentenwerk (Student Services) Halle >

Applications from disabled persons, including those of equal status (as certified by the Bundesagentur für Arbeit / Federal Employment Agency), will be given preferential consideration if they are equally suitable and qualified. Women are strongly encouraged to apply. Applications from individuals of all nationalities are explicitly welcome. Applicants with a degree that was not obtained at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (ZAB)

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UJyvaskyla Finland GutmicrobeHostCommunication

PhD position:molecular mechanisms mediating gut microbiome-host interactions?

A 3-year Doctoral Researcher position is available at the Department of Biological and Environmental Sciences, University of Jyvaskyla Finland, in the group of Dr. Suvi Ruuskanen. The Doctoral Researcher will work in an ERC-funded project where the overarching aim is to understand the significance of the gut microbiome in thermal adaptations in birds within and across generations, and species.Starting date is April 1, 2026 or as mutually agreed.

PROJECT DESCRIPTION

All animals on our planet carry microorganisms in their gut. The gut microbiome has recently been shown to be strongly linked to health in humans and model animals, and potentially playing a role in adapting to environmental changes. For example, studies in vertebrate and

invertebrate model organisms, and our own data on wild birds suggest that the microbiome changes with temperature, and there is proof-of-concept data that this compositional shift in the microbiome occurs as an adaptive response to cold exposure, leading to changes in thermal physiology. However, most data up to date only considers the identities of gut microbes, not their functions and therefore the underlying molecular mechanisms of the microbiome-host communication are less understood. In this project the student will study the functional changes in gut microbiome in response to environmental and host physiological changes, aiming to shed light on the molecular mechanisms mediating host-microbiome interactions. One focus is on metabolomics profiles, and the student is also developing novel measurements on bacterial vesicles and their content in birds. Lots of samples have already been collected from previous experiments, but the student is expected also to contribute to sample and data collection using Japanese quail animal models.

DUTIES

The doctoral researcher position will involve laboratory analyses (most likely metabolomics, bacterial vesicles), conducting data and sample collection on Japanese quails, data analyses, and manuscript preparation and presentations. The exact questions can be tailored following interests of the candidate.

Apply between 27 October 2025and 20 December 2025 23:59 (Europe/Helsinki)

Who we are looking for

Suitable candidates should have a MSc in cellular or molecular biology, evolutionary biology, microbiology, or related field by the time of starting the position

The candidate should have strong laboratory skills, some experience in statistics and bioinformatics and interest in host-microbiome research

We are seeking a highly motivated, innovative, productive person, who will contribute intellectually to project development.

The tasks of a Doctoral Researcher focus on research aiming at the completion of a doctoral thesis, doctoral studies, assisting teaching tasks, and other related tasks to these.The duties, qualification requirements, and the language skills of Doctoral Researchers are stipulated by the University of Jyvaskyla Regulations and language skills guidelines(Doctoral Students). A good command of English is required. A trial period of six months will be used in the beginning of the employment.

The eligible candidate has, or is about to obtain, a suitable Master's degree. In addition, the Doctoral Researcher must havea permission for post-graduate studies at the University of Jyvaskyla. After selection, the selected person must apply for postgraduate study rights through a separate application processat the Faculty of Mathematics and Science if they do not already have them.

Benefits

Funding for 3 years in the doctoral program of the University of Jyvaskyla. Supervision in all aspects of the work, possibility to join workshops to improve specific skills International, enthusiastic working environment (working language is English) in a friendly research group with a large collaborator network. Excellent research infrastructure at Jyvaskyla (incl Konnevesi research station), labs and state-of-the-art scientific equipment, software, access to journals and scientific databases. Resources for travel to conferences or workshops abroad.

The Doctoral Researcher will be supervised by Associate Prof. Suvi Ruuskanen, Dr. Lisandrina Mari and Prof Phill Watts (University of Jyvaskyla), and for example with collaborating with Justus Reunanen (University of Oulu).

At the University of Jyvaskyla, you are a recognized member of our community with a unique opportunity to influence international research. You get to participate in our international and multidisciplinary community where the welfare of each individual is important. At the University of Jyvaskyla, we offer a great and lively campus area with opportunities to maintain an active and healthy lifestyle.

Finland has a high standard of living, with free schooling (also in English), affordable childcare, good family benefits, and healthcare. Jyvaskyla is located in central Finland in the Finnish

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ULaval Quebec PangenomicGraphs

Description

The Modern and Ancient Genomes Group, located at Université Laval in Québec City, Canada, is seeking one

qualified candidate for a vacant PhD position in bioinformatics. In this position, you will develop algorithms and computational methods to analyze large datasets from modern and ancient sources.

Current bioinformatics algorithms and software are often ill-equipped to deal with DNA extracted from ancient sources. This ancient DNA shows high levels of fragmentation and accumulated chemical damage. Furthermore, ancient sediments often contain DNA from multiple species and often multiple individuals. Fortunately, several problems pertaining to ancient DNA can be described in a maximum-likelihood framework and computer science techniques can help us to solve such numerical problems efficiently via numerical algorithms and data structures. The Modern and Ancient Genomes Group has previously used pangenome graphs to solve several of these problems. You will work in collaboration with other partners in Europe and North America in order to develop the next generation of algorithms and software applied to DNA extraction from fossils, ancient soils and sediments.

Responsibilities And Qualifications

Ideally, you have the following qualifications:

Knowledge of a programming language like Python, Perl, C++ and/or Java (C/C++ is preferred) Ability to work in a UNIX environment, ideally in a high-performance computing environment A thorough understanding of basic algorithms and data structures used in computer science Knowledge of probabilities and statistics Firm grasp of differential calculus and linear algebra Experience in bioinformatics and knowledge of metagenomics are a plus, but not needed Expertise in next-generation sequencing data generation and processing is also a plus

Ideally, you should have a Master's (or equivalent) and a B.Sc degree in computer science, quantitative biology/biochemistry or mathematics.

Approval and Enrolment

The PhD degree is fully funded. The scholarship for the PhD degree is subject to academic approval. The group is located within the Department of Computer Science and Software Engineering but candidates can also choose to graduate within the Department of Biochemistry, Microbiology, and Bioinformatics.

Université Laval is one of the top research universities in Canada, recognized among the top research institutions in Canada for excellence in research, teaching, and innovation. French is the primary institutional language, but our research group works in English, and students are expected to be able to communicate effectively in English, both orally and in writing. We offer a rewarding and challenging position within a strong interdisciplinary and collegial environment. The Québec City region provides outstanding hiking opportunities in nearby Parc national de la Jacques–Cartier and Mont–Sainte–Anne.

Salary and appointment terms

The period of employment is 4 years. Starting date is 1 May 2026 (or according to mutual agreement). The position is a full-time position.

Further information

Further information may be obtained from Prof. Gabriel Renaud.

Application procedure

Your complete application must include a CV with a list of publications and a letter of motivation explaining why you are applying and explaining any gaps in your CV. The documents must be submitted no later than Jan 20th 2026 (23:59 Eastern Standard Time). Applications must be submitted as one PDF file containing all materials to be given consideration. To apply, please email gabriel.renaud@ift.ulaval.ca with the subject line "PhD application" and attach all your materials in English in one PDF file.

All interested candidates, irrespective of age, gender, race, disability, religion or ethnic background, are encouraged to apply. We especially encourage women and applicants from Indigenous communities.

gabriel.reno@gmail.com

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ULeicester MathematicalGenealogyModelling

Are you interested in mathematically modelling random processes in real life? Do you want to use mathematical tools and objects from probability theory, graph theory and statistics to understand biological processes? Then have a look at our PhD opportunity within the Central England NERC Training Alliance (CENTA)!

This project aims at developing a mathematical genealogy model (coalescent process, a random tree/graph) for samples from species whose reproduction methods are in-between haploid and diploid modes. The full description can be found here: https://centa.ac.uk/studentship/2026-l02-

coalescent-processes-of-mixed-reproduction-systems/ . For context: Many important insect and fungal species do not always produce clonally or sexually but use a mixture of these mechanisms - which means that standard models of genealogies may bias inference approaches. Such biases are problematic, as analysing genomic data to infer past evolution usually needs to be based on well-fitting genealogical models.

Your job will be to develop a new genealogy model tailored to such mixed reproduction modes (likely as a tree-valued random limit process of ancestral trees in discrete reproduction models).

My research group in Leicester works on a variety of questions in population genomics, with a fundamental basis in probability theory, but also touching statistics, data science and bioinformatics. You will be in touch both with mathematical and genetics research and researchers. While the project is centred on the mathematical side, the focus can be shifted according to your interests either fully towards probability theory or more into statistical, bioinformatic or genomic applications.

Ideally, you have a background in applied or pure probability theory, statistics and/or theoretical evolutionary biology. Experience in programming is welcome but can also be developed during the PhD.

While the CENTA program is welcoming international applications, I feel the need to highlight the following (from https://le.ac.uk/study/research-degrees/funded-opportunities/centa-phd-studentships): International applicants must be able to demonstrate they can fund the difference between UK and Overseas fees for the duration of their study. This will amount to 18,864 per year of study. (2025/6 rates) 2026/7 rates still to be confirmed.

For home students, the fees are fully waived.

Interested? Then apply: https://le.ac.uk/study/-research-degrees/funded-opportunities/centa-phd-studentships (see also https://centa.ac.uk/apply/)!

If you have more questions, feel free to contact me at ff95@leicester.ac.uk. The application deadline is January 7th 2026.

Fabian Freund, Lecturer in Population Genomics (PhD in mathematics), School of Biological and Biomedical Sciences, Division Genetics and Genome Biology University of Leicester, UK

“Freund, Fabian” <ff95@leicester.ac.uk>

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UMassLowell EvolutionaryGenomics Bioinformatics

4-year PhD position in evolutionary genomics and bioinformatics at the University of Massachusetts Lowell.

We are recruiting a PhD student to study evolutionary genomics and structural variation in animals (starting Fall 2026).

The position will make use of sequencing datasets to study the regulation and divergence of genes across populations and species. The student will integrate genomics, transcriptomics, and epigenomics datasets generated from short-read and long-read sequencing. This work will suit a highly motivated and curious student who has strong computational and analytical skills with a solid understanding of evolutionary processes. The 4-year position will be mostly computational work, with the potential for wet-lab work, in a team setting with some educational outreach. A desire to work collaboratively and take a leadership role to train mentees is essential. The student will be encouraged to develop and explore their own research questions using the available datasets.

Minimal requirements: Bachelors in science - preference will be given to students with undergraduate or Msc research experience.

Desired qualifications include: Bioinformatics experience with sequencing data Molecular skills Strong writing and communication

The lab (fredericchain.weebly.com) is in the Department of Biological Sciences at the University of Massachusetts Lowell. We are committed to justice, equity, diversity, and inclusion and we encourage applications from all backgrounds, in particular students from underrepresented groups in science. The University of Massachusetts Lowell has a diverse student population of 18,000 undergraduate and graduate students, serving a high proportion of first-generation college students (41%). The University has strong ties to the community of Lowell, a mid-sized city with a diverse population located 25 miles northwest of Boston and within two hours of mountains and coastline beaches. Information about the Department is available at https://www.uml.edu/-Sciences/biology/ . To apply, please send an e-mail to frederic_chain@uml.edu with your CV, unofficial transcript(s), and cover letter that includes a statement of

interest, relevant experience, and contact information for three references. For further details or any questions, interested students are encouraged to send an informal e-mail.

Review of applications will start January 1st and continue until the position is filled.

"Chain, Frederic J" <Frederic_Chain@uml.edu>

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UMuenster EvoEpigenetics

PhD Position

Evolution of Epigenetic Regulation in Beetles

Group of Prof. J. Kurtz, Institute for Evolution and Biodiversity at the University of Münster, Germany

Research Assistant (m/f/d) (salary grade E 13 TV-L, 65 %)

The position is available immediately and tied to working towards a doctorate. The duration of the position is limited to three years.

This research project focuses on the evolutionary flexibility of epigenetic regulation in insects. Even within the group of beetles, some species rely on CpG methylation, while other species have lost the relevant DNA methyltransferases (Dnmt genes). Using beetles as models, our project aims to understand the evolution of epigenetic regulation systems, elucidate the alternative functions of DNA methyltransferases and assess the mutual dependences between DNA methylation and histone modification.

The successful candidate will make use of the combined power of sequencing technology to analyse epigenetic processes (Methyl-Seq, Cut&Tag, RNAseq) and functional validation (RNAi) in up to ten beetle species. The candidate will collaborate intensively with a PhD student from Prof Sonja Prohaska's research group at the University of Leipzig, who will contribute expertise in bioinformatics.

The project is part of the Priority Programme "Genomic Basis of Evolutionary Innovations (SPP 2349 GEvol, https://g-evol.uni-muenster.de)" funded by the German Research Foundation (DFG). GEvol aims to foster interdisciplinary collaboration that leverages cutting-edge computational and omics methodologies to reconstruct and understand the evolutionary history of insect genomes using comparative genomics. For a recent publication from the project see https://doi.org/-10.1002/jez.b.23303; for further publications of the Kurtz lab see https://www.uni-muenster.de/Evolution/-animalevolecol/publications/index.shtml .Applicants should be highly motivated scientists interested in interdisciplinary work. They should have the equivalent of a master's degree in biology, preferentially with a focus on evolution, molecular biology, genomics or a related field. A background, and ideally some experience, in any of the following areas will be useful: molecular laboratory skills, functional genomics and/or practical insect work.

Applicants should have excellent communication skills and be able to work both independently and as part of a multidisciplinary team. The working language of the Institute and the lab is English, therefore good proficiency in spoken and written English is a requirement. German language skills are not a requirement, but a willingness to learn is desirable.

The Institute for Evolution and Biodiversity provides a stimulating research environment with a number of scientific groups researching diverse topics centred on different aspects of evolution. The successful applicant will join a structured graduate program provided by the Münster Graduate School of Evolution (MGSE, https:/-/www.uni-muenster.de/Evolution/mgse/). As a part of the Priority Programme GEvol (SPP 2349) the project will involve intensive collaboration with consortium partners across Germany.

The University of Münster is one of the largest universities in Germany, with 42,500 students and 7,750 employees in teaching, research and administration, all working together to shape perspectives for the future. Embedded in the vibrant atmosphere of Münster with its high standard of living, the University's diverse research profile and attractive study programmes draw students and researchers throughout Germany and from around the world.

The University of Münster strongly supports equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation or gender identity. We are committed to creating family-friendly working conditions. We actively encourage applications by women. Women with equivalent qualifications and academic achievements will be preferentially considered unless these are outweighed by reasons which necessitate the selection of another candidate.

We look forward to receiving your application, written in English, in one single PDF file, by 11.01.2026.

Please note that we cannot consider other file formats. Applications should be sent to Prof Joachim Kurtz at: Joachim.Kurtz@uni-muenster.de, with the subject PhD application-SPP-your name.

Applications should include 1) a cover letter with a statement of research interests and motivation (max. 1 page), 2) a CV including details about research experience and publications, and 3) contact details for at least two referees.

Prof. Dr. Joachim Kurtz

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UppsalaU AvianAdapttion

Master Projects available in the Qvarnström lab studying climate adaptation and speciation using a natural flycatcher hybrid zone on Ãland, Sweden!

We invite applications for Master student projects (can also be Student Internships) to join our research team in Uppsala University (Sweden) and in field work in Ãland. https://www.uu.se/en/department/ecology-and-genetics/research/animal-ecology/qvarnstrom-lab This is an exciting opportunity to work in an international, collaborative environment, and to develop hands-on experience in field work with wild birds.

If you are interested in any of the below projects please contact Michaëla Berdougo (PhD student) - michaela.berdougo@ebc.uu.se Ana Gomes (Post-Doc) - ana.gomes@ebc.uu.se Anna Qvarnström - anna.qvarnstrom@ebc.uu.se

Projects available:

Master's Project 1: Using Olfactory Cues to Find Food Background: The ability of birds to regulate insect populations is debated but can be a powerful ecosystem service. Many mechanisms behind the foraging efficiency of birds are still being discovered. While it has been shown that excluding birds from crop fields can lead to increased insect damage (e.g., Garcia et al., 2018), their regulation role in natural settings remains unknown as well as the mechanisms by which birds locate the best feeding spots.

Ground-breaking research, including our own, suggests that olfaction may play a crucial role. We have found that genetic variation in olfaction-related genes in collared flycatchers is linked to the amount of caterpillar larvae on their breeding territories. Does this mean that flycatchers actually use olfaction cues to locate trees that are heavily infested with their prey? If true, this means that we have severely underestimated the birds' capacity to detect and respond to local pest outbreaks.

Objective: To directly test the hypothesis that pied and collared flycatchers use insect herbivore induced emission of biogenetic volatile organic compounds (IH-BVOCs) to identify trees with more caterpillars.

Your Role: You will measure IH-BVOC emissions from sampled tree branches and correlate these with direct bird activity. This will involve:

* Field Observation & Monitoring: Conducting systematic observations and setting up remote video cameras to monitor bird visitation rates to individual trees. * Chemical Sampling: Collecting branch samples for subsequent chemical analysis of IH-BVOCs.

* Data Analysis: Statistically linking the chemical profiles of trees with recorded bird foraging activity.

* Fieldwork & Data Collection: Participating in long-term data collection by monitoring nest boxes.

This project offers a unique opportunity to contribute to a cutting-edge field and help answer a fundamental question with implications for both basic and applied ecology.

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Master's Project 2: Climate Change, Mismatch, and Survival

Background: Climate change is disrupting the tritrophic terrestrial tree-caterpillar-bird food chain. In our study system, warmer springs cause trees to bud and caterpillars to hatch earlier. However, migratory birds like our study species, the pied and collared flycatchers, have not advanced their breeding schedules as much. This creates a "phenological mismatch": when the nestlings hatch, the peak abundance of caterpillars they need for food may have already passed.

This mismatch is most severe in warm springs and acts as a powerful agent of natural selection. But there can only be an evolutionary response to selection if there is genetic variation in the traits subject to selection. Why do some nestlings survive these poor conditions while others do not? We hypothesize that an individual's innate metabolic rate is a key trait that determines their resilience.

Objective: To determine if an individual's metabolic rate is a key trait determining its resilience to climate-driven trophic mismatches.

Your Role: You will investigate how a nestling's innate physiology influences its ability to survive this mismatch. This will involve:

* Data Analysis & Modelling: * Analysing high-resolution metabolic rate measurements from nestlings. * Working with our long-term demographic dataset (survival, breeding dates, etc.) spanning multiple years. * Quantifying the annual degree of phenological mismatch between birds and caterpillars. * Using statistical modelling to determine if offspring with certain metabolic traits have a survival advantage. * Fieldwork & Data Collection: Participating in long-term data collection by monitoring nest boxes.

This project offers a rare opportunity to work at the intersection of physiology, climate change, and evolution, using a powerful dataset to answer a pressing ecological question.

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UWinnipeg PhD MSc GiantVirusEcolEvol

PhD or MSc Position in Freshwater Lake Virus Ecology and Evolution

University of Winnipeg - Chase Lab

The Chase lab is looking for a PhD or MSc student to start their studies in the Autumn of 2026. The Chase lab primarily studies the ecology and evolution of aquatic viruses. A major focus are the viruses of Lake Winnipeg, in particular giant viruses, virophages, polinton-like viruses, and bacteriophages. Giant viruses are highlight given their unique evolution and acquisition of genes not thought to be associated with the virus life-styles. RNA viruses and other DNA viruses are also being explored. We investigate how these viruses interact with lake microbes, what genes may be passed via virus vectors to their microbial hosts, virus taxonomy, and how these dynamics impact Lake Winnipeg as a whole. Lake Winnipeg is one of "Canada's sickest lakes" and hosts routine algal blooms, consequently viruses infecting microalgae (prokaryotic and eukaryotic) are influential to the lake system.

Our work uses sequencing approaches (metatranscriptomics, metagenomics) to understand the lake microbial population and viruses, employs molecular techniques to track interesting genes and virus species (qPCR), and process large datasets using bioinformatics and phylogenetics. Graduate student projects will make use of these skills, and will also involve sampling Lake Winnipeg aboard the MV NAMAO.

The Chase lab welcomes students to establish peer collaborations, and to explore their personal interests within the Lake Winnipeg datasets produced by the Chase lab.

Minimal requirements: A Bachelors in Science for entry into an MSc - preference will be given to students with undergraduate research experience, including undertaking an honours thesis, research assistantships, internships, etc.

An MSc for entry into a PhD Proficiency in English

Skills considered an asset: Experience in bioinformatics or computer science knowledge Molecular in-lab skills Evidence of scientific dissemination

Funding: The successful candidate will be funded by Dr. Chase, however Dr. Chase will work with the candidate to apply for competitive funds during their graduate studies.

Lab information: Department of Biology, University of Winnipeg. https://chaselab.ca/ Application process: Please send the following documents to Dr. Emily Chase, e.chase@uwinnipeg.ca

* Unofficial transcripts (all degrees) * Research statement (your research skills/experience, research goals and interests) (2 pages max) * CV or resume * Names, institute/position, and contact information for 2-3 references (the applicant will be notified if their references will be contacted)

Dr. Chase can be contacted to learn more.

Emily E. Chase, MSc, PhD (she/her/they) Assistant Professor Department of Biology University of Winnipeg e: e.chase@uwinnipeg.ca p: 204-786-9448

Emily Chase <emily.chase@uwinnipeg.ca>

Jobs

AberystwythU UK WildlifeConservation

Vacancy for a Lecturer in Zoology at Aberystwyth University, UK

We are seeking a skilled, highly-motivated member of academic staff to join the Department of Life Sciences at Aberystwyth University, to complement and enhance our existing strengths in research and teaching in Zoology (see https://www.aber.ac.uk/en/life-sciences/study-with-us/). The successful applicant will be expected to undertake curiosity-driven research using contemporary, experimental approaches in Zoology, to teach undergraduate and postgraduate students in Zoology, Wildlife Conservation and related fields, to develop attractive new Zoology modules and to contribute to the administration of the Department.

More information: https://jobs.aber.ac.uk/en/-vacancy/lecturer-in-zoology-598845.html Faculty/Department: Department of Life Sciences Salary Scale: ï¿½42,254.39 - ï¿½46,048.78 per annum Salary: Spinal point 31 Contract Type: Permanent Weekly Hours: 36.5 Ref No: 6015 Closing Date: 15/01/2026

Prifysgol y Flwyddyn yng Nghymru Y Brifysgol Orau yng Nghymru ac Ymysg y 3 Uchaf yn y DU am Ansawdd y Dysgu a Phrofiad Myfyrwyr Canllaw Prifysgolion Da 2024, The Times and Sunday Times

Welsh University of the Year Top in Wales and Top 3 in the UK for Teaching Quality and Student Experience Good University Guide 2024, The Times and Sunday Times Rydym yn croesawu gohebiaeth yn Gymraeg a Saesneg. Cewch ateb Cymraeg i bob gohebiaeth Gymraeg ac ateb Saesneg i bob gohebiaeth Saesneg. Ni fydd gohebu yn Gymraeg yn arwain at oedi. We welcome correspondence in Welsh and English. Correspondence received in Welsh will be answered in Welsh and correspondence in English will be answered in English. Corresponding in Welsh will not involve any delay.

“Peter Korsten [pek19] (Staff)” <pek19@aber.ac.uk>

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Calgary Canada GeneticsLab Instructor

Job Title: Laboratory Instructor

Job Type: Permanent

Union: MRFA

Location: Mount Royal University, Main Campus - Calgary, AB T3E 6K6 CA (Primary)

About the Faculty of Science and Technology

Mount Royal’s Faculty of Science and Technology of-

fers Bachelor degrees in Biology, Chemistry, Computer Science, Computer Information Systems, Data Science, Environmental Science, Geology, and General Science which allows students to prepare for a variety of exciting careers in science and technology by not only teaching them the basics of science but also how to be flexible and innovative problem-solvers.

The Department of Biology offers a Bachelor of Science Biology major with three concentrations (Cellular & Molecular Biology, Anatomy & Physiology, and Ecology & Evolution), an Honours Biology degree, and a Biology minor.

About the Role:

The Department of Biology, Faculty of Science and Technology at Mount Royal University invites applications for a Laboratory Instructor position which will commence July 1, 2026, subject to final budgetary approval. This is a full time position with a two year probationary period, after which the employee is eligible for permanency.

We are looking for a candidate that can teach and coordinate our genetics labs. Additional laboratory instruction could include courses in evolutionary biology, bioinformatics, and introductory biology. The duties of a full-time laboratory instructor in Biology include, but are not limited to the following:

Responsibilities:

Laboratory instruction, including preparation and marking;

Contributing to the development of laboratory experiments, exercises and manuals by consulting with lecture instructors on the design of experiments, testing experiments, and proposing revisions based on the results of testing;

Investigating teaching methods and equipment for use in laboratories;

Mentoring and contributing to peer evaluation of contract faculty teaching laboratory courses;

Assisting course coordinators with lab coordination;

Acting as a liaison between Laboratory Instructors and course coordinators to help maintain consistent course standards in terms of instruction and grading;

Service to the Academic Unit.

A Laboratory Instructor shall normally teach between 576 and 672 scheduled instructional course hours of laboratory instruction annually (12-14 sections, based on a three-hour per week laboratory section). Teaching during the Spring semester may be required to complete the annual workload.

Qualifications:

Minimum required academic credential: MSc or equivalent.

Required qualifications: relevant subject expertise, documented teaching experience.

Desired qualifications: evidence of mentorship or supervisory experience, subject or professional experience in areas that will support the development of laboratories for new courses in Biology.

For further information about the position, contact Dr. Jonathan Mee, Chair, Department of Biology at (403) 440-5150 or jmee@mtroyal.ca.

How to apply:

All applications must be submitted via the MRU webite. Find the job posting at: https://-mtroyalca.hua.hrsmart.com/hr/ats/JobSearch/index
A complete application package, should be submitted as preferably a single .pdf document (dependent on size requirements), and should include the following:

A cover letter (1 page maximum)

A curriculum vitae, including a list of relevant laboratory skills

A teaching dossier that includes evidence of teaching effectiveness (e.g. student or peer evaluations of teaching)

A teaching philosophy focused on lab instruction (1 page maximum)

A statement describing challenges related to equity, diversity, and inclusion (EDI) within the field of genetics, and describing specific actions that you will take to support inclusive and equitable teaching and assessment (1 page maximum).

List of the names and contact information for three references.

Please title your .pdf document as follows: [Last Name], [Requisition Number], [Document Title].pdf (e.g. Smith, 4321, CV.pdf).

Note: MFRA positions are not part of the hybrid work program

We encourage all qualified applicants to apply, however, Canadian citizens, permanent residents and others currently legally authorized to work in Canada will be given priority. Please note only applicants selected for an interview will be contacted. After the close date, you can check on the status of your application through your Career Centre. New career opportunities arise frequently

and are posted as they become available. Please check back often to view our latest postings on our Career Opportunities page.

If you require accommodation to participate in the recruitment process, please notify erecruiter@mtroyal.ca and we will work together on your accommodation request.

jmee@mtroyal.ca

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ChicagoBotanicGarden PlantConservation ResExperiences

The Chicago Botanic Garden is now accepting applications for the 2026 Plant Biology & Conservation Research Experience for Undergraduates (REU) program. This full-time, 10-week NSF-funded summer program provides undergraduates with hands-on research experience in plant biology and conservation, with projects spanning topics from genetics to ecosystems. The program includes a $7,000 stipend, travel assistance, and housing during required on-site weeks. The program runs from June 15-August 21, 2026, and may begin with a virtual first week.

Eligible applicants must be U.S. citizens or permanent residents and currently enrolled undergraduate students. We particularly encourage applications from early-stage undergraduates and students from institutions with limited research opportunities.

Application deadline: February 16, 2026 More information: https://pbcinternships.org/summer-reasearch-internship Application link: https://-etap.nsf.gov/award/7347/opportunity/11623 Sarah Jones <sjones@chicagobotanic.org>

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Crete Greece BiodiversityComputing

Dear Community,

There is a permanent research group leader position available in Crete, Greece.

The permanent research group leader shall assume long-term responsibilities for the Biodiversity Computing Group https://www.biocomp.gr that I have set up in Crete through EU funding.

You can apply via https://-apella.minedu.gov.gr/en/node/5998

The PDF on this official web site is also available in English if you scroll down:

https://jobs.ics.forth.gr/job_opportunities/-2446_GR_biodivesrity.pdf For questions please email me at stamatak@ics.forth.gr

All the best,

Alexis

– Alexandros (Alexis) Stamatakis

ERA Chair, Institute of Computer Science, Foundation for Research and Technology - Hellas Research Group Leader, Heidelberg Institute for Theoretical Studies Full Professor, Dept. of Informatics, Karlsruhe Institute of Technology

www.biocomp.gr (Crete lab) www.exelixis-lab.org (Heidelberg lab)

Alexandros Stamatakis <alexandros.stamatakis@gmail.com>

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DeakinU Australia 4yr EnvironmentalBotany

Lecturer in Environmental Botany

Deakin University, School of Life and Environmental Sciences, Burwood campus, Melbourne, Australia

Full-time and fixed-term for 4years. AUD $117,684 - $139,191 + 17% superannuation

Full details and how to apply: https://-/careers.deakin.edu.au/cw/en/job/-579812?lApplicationSubSourceID We are looking for a lecturer in Environmental Botany to lead unit teaching teams in UG and/or PG programs to deliver unit learning outcomes and continuously improve the student learning experience and outcomes. The lecturer

will also initiate, design and conduct productive, high-quality research, scholarship and creative activities generating high impact outputs in their discipline area. The appointee will play an active role in the delivery and continual enhancement of the Bachelor of Environmental Science (Wildlife and Conservation Biology) and Bachelor of Science courses fostering student learning and engagement in areas encompassing the biology, ecology and physiology of plants. This role will suit an academic with demonstrated expertise in the plant sciences, supported by a research and teaching track record and partnerships into teaching, research, and community engagement.

As a Lecturer in Environmental Botany, you will:

Lead and collaborate on unit teaching teams, developing curricula, learning resources, and implementing course improvements.

Apply industry and research insights to create engaging, innovative, and inclusive learning experiences for diverse students.

Design effective assessments and provide timely feedback, supporting student success and guiding learners to appropriate resources.

Contribute to teaching excellence and pedagogical research, building capability within the discipline and supporting colleagues' development.

To be successful, you'll have:

PhD in a relevant discipline with demonstrated expertise in plant research, particularly in the fields of ecology and fundamental biology, supported by partnerships in teaching, research, and community engagement.

Excellent record of scholarly learning and teaching in UG and/or PG programs, including innovative curriculum design.

Emerging reputation in research and scholarship through publications and/or exhibitions and/or success in obtaining external research funding.

Ability to contribute to communities through research.

Capacity to contribute to leadership of research and administration.

Excellent interpersonal skills and a proven ability to establish good working relationships with colleagues.

For inquiries and/or confidential discussion, please contact Prof Matthew Symonds - matthew.symonds@deakin.edu.au. Please do not send applications to this email (use the link above for the job selection criteria and application portal).

Applications for this position close on 18 January 2026

Matthew Symonds <matthew.symonds@deakin.edu.au>

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Goerlitz Germany MyriapodaEvolution

For the Senckenberg Museum of Natural History in Görlitz, the Senckenberg Gesellschaft für Naturforschung headquartered in Frankfurt (Main) is seeking to fill the following position

Research Scientist and Curator (m/f/d) of the section Myriapoda (Tenure-Track)

Location: Goerlitz, Saxony

Employment scope: full-time (40 hours/week) / part-time is possible

Type of contract: the contract shall start ideally from June 1st 2026. The position is initially limited. The type of time limitation depends on individual profile and legal framework (maximum 6 years). A later permanent employment (Tenure Track) is intended after a positive evaluation.

Remuneration: collective agreement of the German Länder, TV-L E 13

(for more information please see: https://-oeffentlicher-dienst.info/c/t/rechner/tv-l/allg?id=tv-l-2025&matrix=1)

Founded in 1817, the Senckenberg Gesellschaft für Naturforschung (SGN) is one of the world's major research institutions in the field of biodiversity. At our twelve sites in Germany, scientists from over 40 nations conduct cutting-edge research at an international level. At the Görlitz site, the renowned Senckenberg Museum of Natural History is located in a historic town with a region that is particularly close to nature and well worth living in.

Senckenberg is committed to study the causes and effects of biodiversity loss in the Anthropocene. As part of our strategic development, we launched an ambitious long-term research effort in "Anthropocene Biodiversity Loss" encompassing the modules "Collectomics", "Biodiversity Genomics", and "Solution Labs". Objectives include the transformation of natural history collections into the digital era, studying biodiversity from the genome to the ecosystem levels and offering exploratory spaces for science and society to develop common solutions to Anthropocene challenges.

Within this research effort, Senckenberg takes innovative steps in collection-based research and data science. The objective of "Collectomics" is to make current and future natural history collections digitally accessible and to improve integration and collaboration across regions, collections, and disciplines. This will enable broader, more holistic biodiversity research, for the benefit of people and nature.

Your Tasks

Scientific and personnel management of the Myriapoda section, including one technical assistant, third-party funded scientific personnel and volunteers Scientific curation and development of "Myriapoda" collection of the Soil Zoology department Collection-based research on the taxonomy, biology or (community) ecology of Myriapoda Publication of research results in high-ranking peer-reviewed international scientific journals Acquisition of third-party research funding Initiation and management of research projects and active participation in joint projects of the Soil Zoology department and beyond Establishment of collaborations with other national and international working groups, including other Senckenberg departments in Görlitz and across Germany Participation in the Management Board of Edaphobase, the international database on soil biodiversity Participation in the Editorial Board of the scientific journal Soil Organisms Participation in academic teaching at the MSc level programs of Dresden University of Technology

Your Profile

Doctoral degree in zoology or a related field Excellent knowledge of integrative taxonomy and systematics of Myriapoda Deep knowledge and work experience in the fields of soil ecology, taxonomy and community- and species-level ecology of Myriapoda Experience with scientific curation, management and development of invertebrate collections Experience in guiding staff, (post-graduate) students, or entire workgroups Outstanding research record in biology of soil animals, documented by publications in international peer-reviewed scientific journals Motivation, commitment and the ability to develop and implement own research ideas documented by publications and projects independent from PhD and master supervisors Experience in working in international teams Experience in the acquisition of third-party funding and project management Fluency in English both spoken and written

Desirable skills

Excellent knowledge of integrative taxonomy and systematics and/or community and species level ecology of Diplopoda and/or Chilopoda Knowledge of the Central European and Palearctic Myriapoda fauna Knowledge in research data management and databases Experience in participation in scientific committees Experience in academic teaching Good knowledge of German or willingness to learn German

We offer

Access to an international network of scientists, policymakers and research organizations An attractive job within the inspired and dynamic

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This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.mcmaster.ca/~brian/evoldir.html

HobartWilliamSmithColleges EcoEvo

Hobart and William Smith Colleges Visiting Assistant Professor of Biology (Ecology and Evolution)

Position Description: Hobart and William Smith Colleges invites applications for a Visiting Assistant Professor of Biology position in Ecology and Evolution to begin August 1, 2026. This is a full-time, one-year position with a teaching load of six courses over two semesters. The appointment has the possibility for renewal contingent on successful annual review and ongoing curricular needs.

Teaching responsibilities will include one or more core courses (Introductory Biology, Ecology, Evolution, or Biostatistics) and upper-level courses in the candidate's area of expertise. The teaching load typically entails two classes with associated labs and two lecture-only classes. HWS Biology courses have access to field-based resources, including a campus forest, a research vessel on Seneca Lake, and a 100-acre field station a short

distance from the main campus, as well as molecular biology facilities, microscopy, and computing resources.

About HWS:

A liberal arts and sciences institution, Hobart and William Smith is known for consistent success in preparing students for meaningful lives and fulfilling careers through an outcomes-based focus on their futures. Our nationally ranked faculty are accessible teachers and scholars known for the impact of their research and distinguished by the depth of their mentorship. World challenges are studied in the classroom where critical thinking, problem-solving, and communication skills are honed. In the field, knowledge turns into discovery. In office hours, plans are carefully crafted to tie interests and talents to an academic path that motivates beyond graduation.

Our location in the heart of the Finger Lakes allows faculty, staff and students to live and work collaboratively on the banks of a resource-rich lake. Student-athletes play for 30 varsity teams boasting 24 national titles, including the 2023 and 2024 NCAA DIII Men's Ice Hockey Championships. With three graduate programs, students can build on their undergraduate degree with a Master of Arts in Higher Education Leadership, Master of Arts in Teaching, or a Master of Science in Management. Together, the experiences and mentorship at HWS prepare students to lead lives of consequence.

Qualifications: Candidates with a Ph.D. in an appropriate field and college-level teaching experience are strongly preferred, but A.B.D. with college-level teaching experience will be considered.

Application Instructions: Candidates should submit the following materials via Interfolio: cover letter including potential courses they could teach, curriculum vitae, contact information for three confidential professional references, a one-page statement of teaching philosophy with evidence of teaching effectiveness and attention to inclusivity in the classroom, and a one-page statement summarizing their research interests. Review of applications will begin January 20, 2026, and continue until the position is filled. Specific inquiries about the position may be directed to Dr. Shannon Straub, Chair of the Biology Department (straub@hws.edu). The salary range for this position is $59,160-$68,000.

https://apply.interfolio.com/179542 Questions regarding Interfolio or visa status should be directed to Human Resources (hr@hws.edu).

Equal Employment Opportunity Statement: The Colleges are an equal employment opportunity employer and prohibit discrimination and harassment in their programs and activities against employees or applicants based on race (including traits historically associated with race, such as hair texture and protective hairstyles), color, religion, creed, national origin, ancestry, sex (including pregnancy, childbirth, or related medical conditions), gender, gender identity or expression, age, sexual orientation, physical or mental disability, citizenship, genetic information or predisposing genetic characteristics, marital status, familial status, domestic violence victim status, caregiver status, military status, including past, current, or prospective service in the uniformed services, social class, or any other category or characteristic protected by applicable law.

"Straub, Shannon" <STRAUB@hws.edu>

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JamesCookU Biodiversity

Lecturer/Senior Lecturer, Terrestrial Ecology College of Science and Engineering | James Cook University, Australia Academic Level B-C | Full-time, Continuing | Townsville (Bebegu Yumba campus) James Cook University is recognised globally for research and education that addresses the most pressing environmental challenges of the Tropics and beyond. JCU was ranked #10 globally in Ecology (2025 Shanghai Ranking Global Ranking of Academic Subjects). We are seeking a Lecturer in Terrestrial Ecology to join our vibrant ecology and conservation community at JCU.

The role This position is ideal for an ecologist with strong interests in terrestrial ecology and biodiversity, particularly in the context of human-driven environmental change and applied questions. The successful applicant will contribute to undergraduate and postgraduate teaching in ecology and conservation biology, supervise Honours and HDR students, and develop a productive, externally funded research program. We welcome applicants whose research examines how processes such as land-use change, invasive species, fragmentation, disturbance and climate change influence animal populations, species interactions, and biodiversity patterns. Research that combines field-based ecology with analytical, evolutionary, or monitoring approaches is particularly encouraged

What you can bring to the role

A PhD in ecology or a closely related discipline A developing or mature research profile in terrestrial animal

ecology Evidence of effective teaching or teaching potential in higher education A publication record appropriate to career stage and potential to attract competitive research funding Capacity to supervise Honours and postgraduate research students Strong communication skills and a commitment to engagement beyond academia

Why JCU? JCU offers exceptional opportunities for field-based research, access to world-class natural laboratories, and a supportive academic environment that values collaboration, impact, and collegiality. Staff benefit from flexible working arrangements, generous leave provisions, up to 17% employer superannuation, professional development support, and a strong focus on well being

What matters to us at JCU? Our People - Our staff, students, and the communities we serve Our Education - Knowledge has the power to change lives Our Place - the Tropics and beyond Our Research - a catalyst for innovation and knowledge generation

How to Apply If you are excited by the opportunity to teach and conduct research that makes a real difference for biodiversity in a rapidly changing world, we would love to hear from you. Click the 'apply' button to be redirected to the JCU careers page and follow the below steps:

Complete the application form.Upload your current resume.Upload a cover letter outlining your relevant experience in relation to the key requirements of the role and how your skills and experience will ensure your success in the role.Upload a separate document in response to the selection criteria as found in the duty descriptor.

Applications close on Sunday 15 February 2026 at 11:55 PM AEST. For enquiries, please contact A/Professor Martijn van de PolatheadZE@jcu.edu.au.

See also https://careers.jcu.edu.au/jobs/lecturer-senior-lecturer-terrestrial-ecology-townsville-qld-australia
Martijn van de Pol <martijn.vandepol@jcu.edu.au>

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LoyolaUChicago Paleo EvolutionaryTimeSeries Analysis

I am searching for a full-time researcher with experience in the area of the statistical analysis of multivariate evolutionary time series or related topics. I have a funded project to study microevolution in a 20,000-year-long sequence of the fossil stickleback fish, Gasterosteus doryssus.

Though the position description is for a postdoc, I will consider competitive applications from folks with MS degrees and proof of experience in the field.

The researcher will be responsible for (i) analyzing and interpreting a completed phenotypic and paleoecological dataset from the fossil fish sequence; (ii) preparing and publishing manuscripts; (iii) assisting with data curation and archival; and (iv) supervising undergraduate researchers assisting with the project. The postdoc could have the opportunity to learn fossil preparation and conduct collection, if needed to augment analysis and writing. The position is classified as a teaching postdoc, and the postdoc may teach courses as instructor of record depending on research requirements, funding, interest, and career goals.

Details are below. Here is the link to the application: https://www.careers.luc.edu/postings/34284 Please reach out to me with questions.

Dr. Yoel Stuart ystuart@luc.edu stuartlabloyola.org

Maximum Annual Salary: The salary will be competitive given the applicant's degree status and experience.

Duration: The initial appointment will be for one year starting approximately on or after March 01, 2026, and may be extended, contingent on performance and funding.

Duties and Responsibilities: The postdoctoral researcher will be responsible for (i) analyzing and interpreting a complete phenotypic and paleoecological dataset from the fossil fish sequence; (ii) preparing and publishing manuscripts; (iii) assisting with data curation and archival; and (iv) supervising undergraduate researchers assisting with the project. The postdoc could have the opportunity to learn fossil preparation and conduct collection, if needed to augment analysis and writing. The position is classified as a teaching postdoc, and the postdoc may teach courses as instructor of record depending on research requirements, funding, interest, and career goals.

Minimum Education and or Work Experience: Education Required. Applicants with at least a Masters Degree in evolutionary biology, paleobiology, or a related field.

Experience Required. As evidence of experience analyzing evolutionary time series, the applicant should have least one manuscript in peer review describing a study of evolutionary time series or related analysis. The applicant should have a valid driver's license and

be willing to drive a field vehicle.

Preferred Qualifications: Applicants with at least a PhD degree in evolutionary biology, paleobiology, or a related field are preferred. As evidence of experience analyzing evolutionary time series, the applicant should have least one peer-reviewed publication describing a study of evolutionary time series or related analysis. The applicant should have a valid driver's license and be willing to drive a field vehicle.

Computer Skills: Proficiency in Microsoft Word and Microsoft Excel. Proficiency in R and producing reproducible, shareable code and projects.

Special Instructions to Applicants: Applicants should apply online at http://www.careers.luc.edu and submit a letter of intent that describes their experiences and fit to the position, as well as a current Curriculum Vitae. Please provide the names and email addresses of two individuals who are qualified to speak to the applicant's qualifications for this position. Referees might be contacted later in the review process. For more information, please contact Dr. Stuart (ystuart@luc.edu).

"Stuart, Yoel" <ystuart@luc.edu>

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OhioU Two ConservationBiol

Two Assistant Professor Positions, Biological Sciences (tenure track)

The Department of Biological Sciences (https://-www.ohio.edu/cas/biology) in the College of Arts and Sciences at Ohio University (www.ohio.edu) invites applications for two

tenure-track faculty positions at the Assistant Professor rank in 1) Conservation Biology and 2) Animal Ecology. We aim to identify individuals who will contribute to our department's mission through high impact research, exceptional teaching, and meaningful service. The successful applicant is expected to:

establish and maintain a vibrant, world-class research program that will attract external funding, recruit graduate students (MS and PhD), and contribute to collaborative and interdisciplinary research within the department and across the university.

provide research experiences for undergraduate students and teach up to three (undergraduate/graduate) courses per year in their area of expertise.

contribute professional service to the department and university.

Further information on each position and application instructions:

Conservation Biology: Ohio University - Job Site | Assistant Professor of Biological Sciences, Conservation Biology (tenure-track)

Animal Ecology: Ohio University - Job Site | Assistant Professor of Biological Sciences, Animal Ecology (tenure-track)

Closing date: January 19, 2026

Contact: Joey Pierce, piercej@ohio.edu

Diego F. Alvarado-Serrano Assistant Professor Biological Sciences Department Ohio University

"Alvarado Serrano, Diego" <alvarado.s@ohio.edu>

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PennsylvaniaStateU EvolutionaryDevoBiology

POSITION SPECIFICS

The School of Science at Penn State Behrend invites applications for a tenure-track Assistant Professor in Biology to begin August 2026. We are seeking a dedicated educator and researcher who is passionate about developing and mentoring the next generation of scientists. Candidates will be part of the biology department and may contribute to Women's Health Innovation and Science Translational (WHIST) Center, a clinical research collaboration with the Magee-Womens Research Institute in Erie (MWRI-Erie). The successful candidate will be expected to develop a vibrant undergraduate research program with the potential to complement the department strengths, seek external funding, contribute to our core biology curriculum, and join a collaborative academic community that uniquely blends the supportive atmosphere of a small college with the resources of a world-class R1 university.

Teaching expectations include instructing courses in biology, biobehavioral health, biochemistry and molecular biology, and developmental biology and/or related disciplines. The School of Science is actively seeking to

advance its research in areas of interest that include (but are not limited to): biochemical pathways underlying embryonic development, evolutionary developmental biology, developmental mechanisms underlying human health and disease, comparative physiology, etc.Startup funds and laboratory space, appropriate to a primarily undergraduate institution, are available.

Applicants must hold a Ph.D.in Biology, Developmental Biology, Biochemistry, or a closely related field at the time of appointment and have at least one year of post-doctoral research experience.

Penn State Behrend is a four-year undergraduate and graduate college of Penn State University with 5,000 students in four schools; science, engineering, business, and humanities and social science. The School of Science offers B.S. degrees in biology, chemistry, mathematics, mathematics education, nursing, physics, and environmental science. It supports research in the traditional science disciplines, as well as supporting and growing, all-campus research interests in addressing women's health issues, energy and sustainability, and polymer science. In particular, the School's research strengths include Great Lakes research (Pennsylvania Sea Grant), collaboration with Magee-Womens Research Institute (Pittsburgh), and collaboration with the Penn State College of Agriculture and the Lake Erie Regional Grape Research and Extension Center, all with an emphasis on undergraduate research. Available instrumentation includes confocal and environmental scanning electron microscopes, real-time PCR, LCMS, NMR, and GCMS plus access to Penn State University's extensive life sciences core facilities located at the University Park campus.

Erie Pennsylvania, a metropolitan area of 280,000 residents, is a major service, tourism, medical, and industrial center on Lake Erie's Presque Isle Bay and is located two hours from Cleveland, Pittsburgh, and Buffalo. The region offers many cultural, sports, and recreational resources, as well as modest living costs and affordable housing.

All applicants must apply online and submit five documents 1) cover letter, 2) curriculum vitae including names and contact information for three references, 3) copies of graduate and undergraduate transcripts, 4) one page teaching philosophy and 5) one-to-two-page research statement summarizing your proposed research, including a brief explanation of its suitability for an undergraduate college.

Questions regarding the position can be directed to Dr. Cora MacBeth, Director, School of Science at cem122@psu.edu.

Review of applications will continue until January 15th. Onsite teaching is an essential function of this position. Employment will require successful completion of background check(s) in accordance with university policies.

The Pennsylvania State University is committed to and accountable for advancing equity, respect, and belonging in all its forms. We embrace individual uniqueness, as well as a culture of belonging that supports both broad and specific equity initiatives, leverages the educational and institutional benefits of inclusion in society, and provides opportunities for engagement intended to help all members of the community thrive. We value belonging as a core strength and an essential element of the university's teaching, research, and service mission.

https://psu.wd1.myworkdayjobs.com/en-US/-PSU_Academic/details/Assistant-Professor-in-Biology_REQ_0000072769-1?locations=-52f02272e496018b56ce3eacc501b417 "Gruwell, Matthew E" <meg26@psu.edu>

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SmithsonianTropicalResInst MarineEvolution

MARINE SCIENTIST POSITION:

The Smithsonian Tropical Research Institute (STRI) invites qualified applicants to apply for a Marine Scientist position. We are seeking candidates to establish an independent, field-based research program in marine ecology, evolution, physiology, molecular biology, conservation biology, coastal processes, nearshore oceanography, global change biology or biogeochemistry, with a preference for researchers with interest in tropical, nearshore ecosystems.

STRI is headquartered in the Republic of Panamï¿½, with marine laboratories accessing two oceans and research stations throughout the country. Our flagship marine facility on the Pacific, Naos Island, is currently undergoing a $25 million facility revitalization which will offer state-of-the-art laboratories and resources to facilitate marine research in the tropics. Access to a core multiuser molecular facility, biogeochemistry lab, and high-performance computing facilities are available. The successful candidate will join a vibrant scientific community of 30+ scientific staff and an international

cohort of over 1200 visiting scholars each year, fostering collaboration and innovation.

Candidates whose research spans multiple disciplines are welcomed. The successful candidate will have outstanding opportunities to develop an independent research program, form global collaborations, mentor multinational post-doctoral fellows, graduate students and interns. The new marine scientist will have valuable opportunities to collaborate with programs and colleagues at STRI and throughout the Smithsonian.

The position is full-time, permanent, and federally funded, with 10-15% of time devoted to student engagement and instruction in STRI's field-based courses.

Applicants must have a Ph.D. in marine science or related field, and show evidence of outstanding research potential, including publication record and extramural funding.

The position is based in Panama and will be hired at the grade 13 OPM 2024 Pay Table (https://www.opm.gov/policy-data-oversight/pay-leave/salaries-wages/2024/general-schedule/). Early-career candidates are encouraged to apply. The selected candidate will receive allowances and differentials according to Department of State Standard Regulations (DSSR) and unique specific policies. Laboratory set-up and relocation expenses are negotiable, and direct support for research is provided on an annual basis based on budget availability.

Interested candidates should submit the following to strisearch@si.edu: cover letter, curriculum vitae, statement of research accomplishments and interests, statement of teaching experience, and PDFs of three significant publications. These materials should be submitted as a single PDF file labeled LastName_FirstName.pdf. Applicants should also request letters from three references and send these to strisearch@si.edu.

Review of applications will begin on January 31, 2026 and will remain open until the position is filled. For more information, please visit: http://www.stri.si.edu/ . Regards,

Albany James She/Her/Hers Recruiter | Panama Phone number +507 212-8184|Mobile: +507.6670-5469 http://-www.stri.si.edu/ SmithsonianPanama Stri_panama TheSmithsonianPanama

"James, Albany J." <JamesAJ@si.edu>

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SwissFederalResInst WSL GroupLeader ConservationBiology

The Swiss Federal Institute for Forest, Snow and Landscape Research WSL is part of the ETH Domain. Approximately 600 people work on the sustainable use and protection of the environment and on the handling of natural hazards. The research unit Biodiversity and Conservation Biology < https://www.wsl.ch/en/about-wsl/organisation/-research-units/biodiversity-and-conservation-biology/ > investigates the diversity of life in its various forms, from genetic diversity to the diversity of species and ecosystems and their interactions, and provides the basis for evidence-based nature conservation. In order of succession planning to fill in by 1st August 2026, or by agreement we offer the position of a

GROUP LEADER CONSERVATION BIOLOGY; 80% (f/m/d)

As a recognized expert in conservation biology, you will lead a research group comprising 15â€20 employees and align their activities with the WSL Strategy 2035 < https://www.wsl.ch/en/news/research-for-people-and-the-environment-in-a-changing-world/ >. Your diverse tasks involve supporting the project leaders and integrating two national data centres (lichens, fungi) as well as managing your own applied research projects. You will be responsible for acquiring third-party funding, maintaining collaboration with other research groups, and bridging the gap between research and practice. Your primary focus will be on forest or urban ecosystems, with an emphasis on animals, lichens, and/or fungi. You will publish your results in both scientific and applied journals, and engage in cooperation with authorities and expert commissions. Additionally, you may be involved in teaching at ETH and/or universities. You hold a doctorate in biology or environmental sciences and you have built a successful scientific career in the fields of Conservation Biology or Restoration Ecology. You have a strong expertise in organismic biology and are familiar with field and laboratory-based species determination methods. You have a proven track record in the development and funding of research projects and are actively engaged in publishing and implementing research findings. You are an integrative and committed personality and experienced in collaborating with stakeholders in nature conservation. Additionally, you

have led research teams, including PhD students, Post-Docs and Technicians. Good communication skills with fluency in English and proficiency in at least one Swiss national language are essential.

Please send your complete application to Michèle Bucher, Human Resources WSL, by uploading the requested documents through our webpage. Applications via email will not be considered. Dr. Kurt Bollmann, kurt.bollmann(at)wsl.ch, +41 (044) 739 24 11, will be happy to answer your questions or to offer further information. WSL is committed to diversity and inclusion as core values. We actively promote gender equality and foster an open, inclusive work environment.

The add can also be found online at https://-apply.refline.ch/273855/1813/pub/2/index.html Felix Gugerli Künzle <felix.gugerli@wsl.ch>

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UFerrara 2yr AncientMetagenomics

Research Position @UNIFE

Two-year research position in population genomics and metagenomics is available in the Silvia Ghirotto research group at the University of Ferrara (Italy - https://ghirotto-lab-at-university-of-ferrara.github.io/-index.html).

General Project

Several archaeological and genetic evidence have shown that the Neolithic transition has deeply affected human recent evolutionary history through the adoption of new ways for foods processing and cooking. Such transition in human dietary habits triggered important changes in the evolution of both humans and of the microbes associated with them. Despite these numerous signals suggest that a strong human microbiome transformation occurred, only very few scientific studies have analysed the composition of past oral microbial communities during this transition, depicting sometimes contrasting scenarios. Moreover, it has been demonstrated that bacterial oral taxa show patterns of phylogenetic diversification able to distinguish coeval populations based on their geographical distribution.

This project will focus on a peculiar archaeological remains: the dental calculus, a highly informative substrate that retains biological information from both host and microbial communities, as well as residues of food and materials introduced in the oral cavity. Combining metagenomic and population genetics analysis on a large dataset of Palaeolithic, Neolithic and Eneolithic individuals from Central-Southern Italy, the project aims to: 1) reconstruct the oral microbiomes of ancient human populations in Italy, to infer changes in diet, health and lifestyle during the Neolithic transition compared to previous time; 2) investigate the evolutionary and demographic processes associated to the Neolithic transition in Italy and in the Mediterranean Europe, through the analysis of genomes of commensal species; 3) developing new methodological approaches for the genetic analysis of dietary components in ancient dental calculus.

In particular, the project aims to expand the number of samples from Palaeolithic period, exploiting one of the most important pre-Neolithic archaeological site in Italy, in order to explore the oral microbiome variability within ancient hunter-gatherer communities that are still poorly investigated. Moreover, providing a high number of samples from different time transects covering a wide temporal scale in a restricted geographical area will be crucial to unveil the genetic impact of this cultural revolution in finer detail.

The project will be developed through the collaboration of two Research Units (Florence and Ferrara), that possess research infrastructures and renowned expertise in molecular analysis applied on ancient DNA, bioinformatics, metagenomics, and population genetics.

Requirements

Candidates should have finished their bachelor's or master's degree no more than six years before the deadline for applications.

Specifically, the position at UNIFE is focused on the reconstruction of ancient metagenome-assembled genomes (MAGs) from dental calculus, and on performing phylogenetic and population genetic analyses on assembled bacterial genomes with the aim of shed light on Neolithic transition in Southern Europe.

We are looking for a motivated candidate, hardworking, and interested in addressing scientific problems with rigor and creativity. The ideal candidate should have a graduate degree in biology, genetics, or a closely related field, and a strong interest in bioinformatics. The candidate should have a good computational background (basic knowledge of R, Python or Bash programming languages are mandatory); experience with cluster computing environments is mandatory. He/she should also have a good population genetics background.

Selection will be held around January 2026; starting date is March 2026. Net salary will be around 1650

EUR/month.

For further information please contact Prof. Silvia Ghirotto (ghrslv@unife.it) and/or Patrícia Santos (sntprc1@unife.it)

Patrícia Santos, PhD Postdoctoral Researcher Department of Life Sciences and Biotechnology University of Ferrara (IT)

Patricia Alexandra Silva Santos <sntprc1@unife.it>

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UFlorida EvolutionInfectiousDisease

The Department of Biology in the College of Liberal Arts and Sciences (CLAS) at the University of Florida invites applicants for a tenure-track position at the Assistant Professor level focused on theoretical and quantitative approaches to the ecology and evolution of infectious disease. We are seeking an exceptional scholar to establish an externally funded research program to investigate fundamental questions on the dynamics of infectious disease and host-parasite systems using mathematical, quantitative or computational approaches. The position is aimed at deepening our theoretical and mathematical understanding of infectious disease systems, but we are open to applicants engaged in collaborative research at any level of biological organization, from cells to ecosystems, and in any system (e.g., marine, terrestrial, freshwater). This research program would ideally be broadly collaborative in nature, include both undergraduate and graduate students, and complement existing strengths in theoretical ecology and evolution in the department and across campus. Teaching could include contributions to the undergraduate curriculum in ecology and evolution, and specialized courses such as theoretical infectious disease biology, and the evolution of pathogens.

The successful candidate would have an opportunity to interact with researchers in a wide variety of programs and units related to infectious disease at the University of Florida, including the UF Emerging Pathogens Institute, the Florida Museum of Natural History, the UF Genetics Institute, the UF Biodiversity Institute, the UF Informatics Institute, the Center for Statistics and Quantitative Infectious Diseases in the College of Medicine, and the Departments of Physics and Mathematics (among others) within the College of Liberal Arts and Sciences. The candidate would also have access to extraordinary data management and analysis resources, including one of the nation's most powerful supercomputers.

For more information, and to apply, see https://explore.jobs.ufl.edu/en-us/job/537810/assistant-professor-in-ecology-and-evolution-of-infectious-disease Charles F. Baer Professor Department of Biology / University of Florida Genetics Institute 621 Bartram Hall 876 Newell Dr. University of Florida Gainesville, FL 32611-8525 USA

Office: 352-392-3550 <tel:352-392-3550> CELL: 352-327-1138 <tel:352-273-0143> Fax: 352-392-3704 <tel:352-392-3704> Email: cbaer@ufl.edu web: http://people.clas.ufl.edu/cbaer/about/

UGeorgia FieldTechs PlantEcoEvo

Field research positions in plant evolutionary ecology

Department of Genetics, Odum School of Ecology, Plant Biology and the State Botanical Garden

University of Georgia

A consortium of plant evolutionary ecologists from the University of Georgia (Athens, GA) is currently seeking 6 enthusiastic field technicians to participate in an NSF-funded study (https://www.nsf.gov/awardsearch/show-award?AWD_ID=2220927) under the direction of Dr. Jill Anderson and in collaboration with Drs. Megan DeMarche(University of Georgia), Jenny Cruse-Sanders(Georgia State Botanical Garden), Seema Sheth(North Carolina State University), Susana Wadgymar(Davidson College), and Emily Josephs(Michigan State University). The project combines approaches from evolutionary biology, field ecology, and quantitative genetics to forecast range-wide population dynamics under climate change in a broadly distributed native plant species (Chamaecrista fasciculata, Fabaceae). The technicians will be part of a dynamic, dedicated, and engaged research group as well as a member of a multidisciplinary and multi-institution collaborative group that includes conservation professionals.

We are seeking two research technicians per location to collaborate on establishing and executing large-scale common garden experiments in Florida, Georgia and New York. Each technician will focus research efforts on only one garden and will not need to travel to the other sites. Therefore, we ask interested candidates to

apply for the location that best suits their interests.

To apply: Please submit following materials to the job posting website indicated below

a cover letter describing your interest in and qualifications for this position (including your available dates), current CV or resume (with relevant coursework included), and contact information (phone number and email address) for 2 references.

Location: Archbold Biological Station in Venus, Florida

Dates: March 2, 2026 through October 30, 2026 (exact dates flexible)

Pay: $20/hour full time (40 hours/week)

To apply: Please submit all materials to: https://www.ugajobsearch.com/postings/462002 Location: Georgia State Botanical Garden in Athens, Georgia

Dates: March 15, 2026 through October 30, 2026 (exact dates flexible)

Pay: $20/hour full time (40 hours/week)

To apply: Please submit all materials to: https://www.ugajobsearch.com/postings/462000 Location: Cornell University in Ithaca, New York

Dates: May 15, 2026 through October 30, 2026 (exact dates flexible)

Pay: $20/hour full time (40 hours/week)

To apply: Please submit all materials to: https://www.ugajobsearch.com/postings/461999 Expected duties: The successful candidate will contribute to a collaborative study of eco-evolutionary responses to climate in the partridge pea, Chamaecrista fasciculata, an annual legume that grows in disturbed habitats in central and eastern North America. The technician's primary responsibilities involve collaborating with the PIs and other researchers to establish and maintain a large common garden experiment and to collect data from ~7,000 transplanted seeds in Florida, Georgia or New York. This work includes preparing seeds for planting, planting seeds, setting up the garden infrastructure, building open-top chambers, collecting data on traits and fitness, entering data, maintenance tasks in the garden (e.g., weeding), processing samples in the lab, and communicating with Dr. Anderson and other team members. The technician will also have opportunities to mentor and train undergraduate students and collaborate with graduate students.

Required qualifications

Bachelor's degree in ecology, evolutionary biology, botany, or a related field Valid US driver's license Ability to work outdoors in challenging conditions for long days Attention to detail; precise, neat work; ability to perform repetitive tasks Excellent problem-solving and communication skills

Preferred qualifications Previous experience with field research in ecology, evolution, and/or botany Coursework in ecology, plant biology, genetics, or related fields Ability to occasionally lift up to 50 lbs Desire to train and mentor other team members Comfortable with manual labor, including but not limited to using common tools, light carpentry, and gardening/landscaping techniques Experience with troubleshooting in the field

Commitment to field safety: We are committed to providing a safe field work experience for all members of the collaborative team. We are happy to discuss and address any safety-related concerns you have.

Review of applications will begin on January 9, 2026and continue until the positions are filled. Questions can be directed to Dr. Jill Anderson

— / —

UMaryland EcoEvo OrgBio Genetics

The Department of Entomology at the University of Maryland seeks a full-time, Professional-track (non-tenure) faculty Lecturer to contribute to the undergraduate curriculum in the Biological Sciences Program (BSCI). The position begins on August 1, 2026. The appointee will teach 2 undergraduate courses per semester to include Introductory Biology, Organismal Biology, and/or Genetics. Duties include preparation and presentation of course materials, supervision and coordination of teaching assistants, and other duties as needed to accomplish the instructional mission [DH1]. The appointee will also be a member of the department's academic advising team. This is a 9.0-month position with opportunities for separately compensated teaching in summer or winter terms. As a faculty member in the Entomology Department, the appointee will participate in departmental and campus service. To apply, please submit to the Job Link (https://umd.wd1.myworkdayjobs.com/en-US/UMCP/details/Lecturer_JR102962-1) a cover letter, curriculum vitae, statement of teaching philosophy,

and names of 3 individuals on this job link who we may contact for letters of reference, by February 15, 2026, for best consideration.

Andy Yeh <yeha@umd.edu>

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UNorthCarolina Wilmington InvertebrateEvolution

The Department of Biology and Marine Biology at the University of North Carolina Wilmington invites applications for a tenure-track Assistant Professor position in Invertebrate Biology starting in August 2026.

Research areas within the broad umbrella of Invertebrate Biology may include working with invertebrates in marine, freshwater, or terrestrial systems. Expertise of the applicant can range from cellular or organismal biology to community ecology and biodiversity, including the use of invertebrates as model systems for this broad search. Successful candidates will contribute to the Department's teaching mission at both the graduate and undergraduate level in core areas of our Biology and Marine Biology curriculum and other courses, as determined by the candidate's interests and departmental needs. The Department is particularly interested in the candidate's ability to foster a welcoming environment for students, staff, faculty, and community members.

Candidates must have a PhD, post-doctoral research experience, and strong potential for excellence in both research and teaching. The Department of Biology and Marine Biology has an excellent record of faculty development and mentorship and is committed to the success of new faculty as we continue to grow our strategic research and teaching missions.

Those interested should look here - https://-jobs.uncw.edu/postings/37895 . Ken Halanych Executive Director Center for Marine Science UNCW

"Halanych, Kenneth M" <halanychk@uncw.edu>

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UStockholm AnimalEvol

The Department of Zoology at Stockholm University (Sweden) has a faculty position available at the level of Associate Professor (Senior Lecturer) in Animal Ecology and Evolution.

Application deadline: 28. February 2026

The department is searching for candidates with a strong scientific background in Animal Ecology and Evolution, using experimental and/or comparative methods.

The successful candidate is expected to teach on courses in ecology, faunistics and/or physiology.

Please find more information about the position, as well as how to apply, following this link: https://-su.varbi.com/en/what:job/jobID:883922/where:4/ Rike Stelkens Professor, Wallenberg Academy Fellow Yeast Evolutionary Genomics Department of Zoology Stockholm University, Sweden

email: rike.stelkens@zoologi.su.se tel: +46 (0) 816 4223 lab website: stelkenslab.com

Rike Stelkens <rike.stelkens@zoologi.su.se>

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Other

BooksForChildren On Evolution

We are launching a popular science collection on evolutionary biology for children.

The collection is called “Les Petits Darwin” (Little Darwins). It presents important concepts of biology, including cutting-edge ideas in evolutionary biology, using everyday language. This allows children to grasp the logic and importance of discoveries without being hindered by jargon.

At the moment, the collection comprises two books in English (and three books in French) (Kindle and paperback formats).

The books in English are briefly described on the attached flyers, and also below.

Book 1:

Everything transforms!: A history of evolution, by E. Bapteste,Little Darwinscollection (published on Nov. 27 2025), 90 pages.

You’ve surely noticed that the world never stops changing ! Since you were born new species such as COVID-19 have appeared, while others such as Tyrannosaurus rex disappeared long ago. This is normal. In reading this book you’ll understand why. The living world is obliged to transform; living creatures cannot produce offspring that are exactly the same as them. These new arrivals fight each other or help each other, empowered by differences from their ancestors, exploring in their turn new ways to live.

Book 2:

The surprising world of microbes, by E. Bapteste,Little Darwinscollection (published on Nov. 27 2025), 48 pages.

Discover the microscopic world of microbes, a population of Minuscules with surprising powers ! Electric, magnetic, super swimmers, excellent fighters and sometimes nearly immortal, they are all around you influencing you every day, without you even seeing them. Get to know them and become an expert on the best-kept secrets of bacteria, viruses and other Minuscules.

Thank you very much for having taken the time to read this email; please also feel free to forward this announcement to anyone who might be interested.

Best regards,

Eric

Bapteste Eric <epbapteste@gmail.com>

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CanJZoology Stickleback CallSubmissions

Canadian Journal of Zoology: Celebrating three decades of stickleback research - a call for submission.

Dear Colleagues,

We are coordinating a collection of papers in the Canadian Journal of Zoology focused on all aspects of stickleback research including evolutionary studies. As Guest Editors of the collection “Celebrating three decades of stickleback research in the Canadian Journal of Zoology”, we invite submissions on any stickleback species. In addition to standard research articles, we welcome reviews, perspectives, and notes.

Full scope and submission instructions can be found on the landing page: https://cdnsciencepub.com/topic/cjz-stickleback The deadline for submitting your paper is 30 March 2026.

Thank you for considering this CJZ collection to publish your research with. If you have any questions, please feel free to contact any of the Guest Editors.

Sincerely,

Rana El-Sabaawi, PhD University of Victoria, Victoria, BC, Canada rana@uvic.ca

Grant Haines, PhD Holar University, Holar, Iceland grant@holar.is

Dina Navon, PhD University of the Fraser Valley, Abbotsford, BC, Canada Dina.Navon@ufv.ca

Frederic JJ Chain, PhD University of Massachusetts

Lowell, Lowell, MA, US frederic_chain@uml.edu

“Chain, Frederic J” <Frederic_Chain@uml.edu>

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ESEB CAA Grant2026 DeadlineFeb01

Congress Attendance Aid (CAA) Grant

The Congress Attendance Aid (CAA) Grant is offered by ESEB to promote equal participation, diversity, and accessibility at the 31st European Meeting of PhD Students in Evolutionary Biology (https://-empsebconf.github.io/index.html),—to be held in June 2025 in Oberwiesenthal, Germany.

The CAA Grant is specifically designed to reduce private financial barriers linked to structural underrepresentation, caring responsibilities, accessibility needs, and other equality-related constraints that may otherwise prevent researchers from attending the meeting. It primarily, though not exclusively, supports:

- Caregiving researchers with dependent-care responsibilities - Researchers from underrepresented social, ethnic, racial, and cultural backgrounds - LGBTQ+ researchers - Researchers facing additional costs linked to disability, accessibility, or social inequality

This grant operates under the principle of positive discrimination to foster equity and is not based on country of employment or general travel costs.

The grant is awarded as a flat-rate stipend, with euro 250 for participants travelling from within Europe and euro 500 for participants travelling from outside Europe, to support additional private costs arising from personal, family, accessibility, or inequality-related responsibilities, including but not limited to:

- Childcare during the meeting (on-site or at home) - Additional dependent care (elderly, disabled, or other dependents) - Extra travel costs for caregivers (e.g., partners, babysitters) - Accessibility-related expenses - Other justified equality-related expenses

Higher amounts may be awarded in cases of long-distance travel or limited access to institutional funding.

The stipend is paid as a flat-rate reimbursement after the meeting, once attendance and presentation are confirmed.

Important Distinction from the ESEB Conference Travel Award

The CAA Grant is fundamentally different from the ESEB Conference Travel Award (https://eseb.org/-prizes-funding/conference-travel-award/). The CAA Grant addresses equality-, care-, and accessibility-related financial barriers, while the Travel Award supports general travel costs for researchers based in low-income countries. Applicants based in low-income countries who also face equality- or care-related barriers may apply for both grants.

DEADLINE: 01 FEBRUARY 2026

ELIGIBILITY

- Applicants must be current ESEB members (to become an ESEB member, please visit our membership page at https://eseb.org/society/eseb-membership/). - Applicants must explicitly explain how their attendance will increase equal opportunities at ESEB. - Applicants must present either an oral communication or a poster at EMPSEB to be eligible for the award. This will be verified before reimbursement; however, proof of acceptance is not required at the application stage. Please note that being selected for a travel award does not guarantee acceptance of a poster or talk at the conference. - Applicants must detail how they intend to use the grant. Eligible costs include, but are not limited to: dependent care, accessibility and disability-related expenses, additional travel or accommodation costs arising from structural inequality, and other justified equality-related expenses.

The stipend will be paid after the meeting, upon confirmation of attendance and presentation.

HOW TO APPLY**

The application must be submitted as a single document of no more than 2 pages in total, and must include all of the following within this page limit:

Applicant’s full name

- ESEB membership number - Explanation of how their participation enhances equal opportunities at ESEB - Explanation of how attendance supports their professional development - Itemised budget (in Euro) - CV

Please submit a single PDF file by email to Ute Friedrich at the ESEB office (office@eseb.org; subject line: CAA grant 2026). The total size of attachments must not exceed 10 MB per email.

We will acknowledge receipt of all applications within a week. If you have not received our confirmation by then, please contact the ESEB office again.

—

European Society for Evolutionary Biology www.eseb.org | office@eseb.org

ESEB Office <office@eseb.org>

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GradBiology EducationResearchStudy

Hello,

We are a group of biologists and biology education researchers conducting a collaborative research project to create and evaluate educational resources showcasing biologists' hobbies outside of science with the end goal of supporting graduate student wellbeing and preventing burnout. This project is an expansion of the Beyond the Bench blog that Christine Lattin at LSU started in a scientific writing class for graduate students. We are looking to recruit biology and evolution instructors interested in implementing an activity in their graduate-level biology and evolution courses that features scientist profiles and asks students to make their own scientist profile. Instructors will be compensated $150 for participating. For more information about this study, please visit our FAQ page. For instructors interested in participating in our study and in learning more, please fill out the brief form linked below and provide us with more information about the courses you teach.

Beyond the Bench blog: https://thelattinlab.com/-beyond-the-bench FAQ page: https://drive.google.com/-file/d/1PDJX9oVJR_MjdJ2KuMvsiQ8-vgeWXfqb/-view?usp=drive_link Brief form to fill out to express interest: https://sunybuffalo.qualtrics.com/jfe/form/-SV_bkHYIEf6aGfJFxs We ask that you please forward this message to all biology and evolution faculty at your university who teach introductory graduate courses (i.e., Introduction to Graduate School, Science Communication, Scientific Writing).

Thank you for helping with our efforts to improve graduate education and wellbeing, and please reach out with any questions.

Cheers, Robin Costello, Assistant Professor, University at Buffalo Christine Lattin, Associate Professor, Louisiana State University Melissa Kjelvik, Research Specialist, Michigan State University Margaret Adams, Graduate Student, University at Buffalo

Margaret Adams <maadams2@buffalo.edu>

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HarvardU EvolutionResearchFunding

Research Funding opportunities at the Arnold Arboretum of Harvard University

The Arnold Arboretum of Harvard University promotes and supports research consistent with its mission to discover and disseminate knowledge of the plant kingdom. To foster both independent and collaborative work, the Arboretum offers fellowships and awards to students, post-doctoral researchers, and professionals of the biological sciences including evolution, ecology, development, genetics and global change research. Applicants are encouraged to define and develop paths of inquiry using the Arboretum's resources, including its world-renowned living collection, herbarium, plant records, library and archives, greenhouse and laboratories, and the expertise of its staff.

There is currently one fellowship, nine awards, and an internship program. Applicants must submit a research proposal online. Please see the website for the specific requirements of each award. https://arboretum.harvard.edu/research/-programs-and-opportunities/ Available opportunities: Internships: Application deadline is Feb 15 annually DaRin Butz Research Internship Program of the Arnold Arboretum of Harvard University

Research Awards: Application deadline is Feb 1 annually Arboretum Research Scholar Award (NEW!) Maria Amalia CarvÃÂ Â¿ Â½o Research Award Ashton Award for Student Research Cunin / Sigal Research Award Deland Award for Student Research Shiu-Ying Hu Student/Postdoctoral Exchange Award Jewett Prize Sargent Award for Visiting Scholars Sinnott Award

Fellowship: Application deadline is Jan 11 Global Change Postdoctoral Fellowship Putnam Fellowship in Plant Science

Faye Rosin, PhD Director of Research Facilitation Arboretum Arboretum of Harvard University < https:/-/arboretum.harvard.edu/ > 1300 Centre St | Boston, MA 02131 617.384.5095

"Rosin, Faye M" <frosin@oeb.harvard.edu>

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JournalEvolutionaryBiology CallForEditors

Call for Editors

We are looking for new editors to join the board of the Journal of Evolutionary Biology (JEB) in February 2026.

JEB is the flagship journal of the European Society of Evolutionary Biology (ESEB). We publish our journal in partnership with Oxford University press under a not-for-profit model. Proceeds from publishing JEB are channelled back into the evolutionary biology community and fund ESEB initiatives such as travel awards for Early Career Researchers, networking and meeting opportunities and supporting the ESEB biennial congress.

Our editorial board consists of a small group of Handling Editors (who triage manuscripts and make final decisions across wider areas within evolutionary biology), supported by a larger board of Associate Editors (who oversee the peer review and recommend decisions to the Handling Editors, based on their specialist expertise). In addition to the main board, JEB also has a Commissioning Editor, who solicits content such as Special Issues and Reviews, and a Data Editor, who assesses the data archives associated with accepted manuscripts. The editorial board is supported by a full-time Managing Editor who, alongside our Editor-in-Chief, is always on hand to provide support in handling manuscripts and to advise on journal policy.

Call for applications

Associate Editors

We invite applications for the Associate Editor role from across all areas of evolutionary biology, but would particularly encourage individuals with expertise in the following areas to apply: microbial evolution, host-pathogen/symbiont interactions, quantitative genetics, population genetics and genomics and the use of comparative phylogenetic approaches. We are also especially interested in applications from those working on plants.

Your tasks in the role would consist of

assessing submissions assigned to you by a Handling Editor for their general suitability to publication in JEB,

securing reviews,

recommending decisions based on reviewers' comments and your own reading,

processing all submissions assigned to you in a timely manner,

being an ambassador for JEB in your community,

adhering at all times and in all aspects of your professional life to the ESEB Code of Ethics.

Ideal candidates for this role have experience as reviewers, with previous experience as an editor useful but not essential.

The role has a 4-year term. ESEB will provide free registration for AEs to attend the society's conferences.

Handling Editor

We invite applications for the Handling Editor role from across all areas of evolutionary biology.

Your tasks in the role would consist of

assessing submissions for their general suitability to publication in JEB,

assigning submissions to Associate Editors,

issuing final decisions based on Associate Editor recommendations, reviewers' comments and your own reading,

processing all submissions assigned to you in a timely manner,

being an ambassador for JEB in your community,

adhering at all times and in all aspects of your professional life to the ESEB Code of Ethics.

Ideal candidates for this role have previous experience as an editor. We welcome applications from across the field of evolutionary biology but are also particularly interested in applications from theoreticians.

The role has a 4-year term. The role attracts a yearly honorarium of 4000 and free registration to attend the society's conferences.

Application procedure

To apply for an Editor position, please send the following by email to the editorial office(jeb.office@eseb.org):

§CV, maximum two pages.

§One-page cover letter describing your motivation for joining the JEB board and supporting the society journal, listing previous experience qualifying you for the post. Please indicate clearly which post you are applying for.

§A list of keywords describing the topic(s) of your research, the approaches used and the organism(s) of

study.

The deadline for applications is Monday 19th January and we will select suitable candidates by late January 2025.

Dr. Nicola Cook Managing Editor

Nicola Cook <jeb.office@eseb.org>

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New JournalOfLostSpecies

Remembrance of Lost Species Day (November 30) is a time to honor the species that have gone extinct, especially in modern times, or are facing extinction. It is also a day to reflect on the roles we (humans) play in driving species imperilment and the responsibility we have to prevent further extinction.

In honor of extinct and imperiled species, the Journal of Lost Species (JLS) < https://www.journaloflostspecies.org/index.php/jls > is a new, peer-reviewed record of the contemporary biodiversity crisis. The goals of JLS are to advance scientific understanding of extinction, support the development of methods for biodiversity documentation, and facilitate the rediscovery of lost species.

Publications in JLS include the documentation of imperiled, lost, and extinct species, as well as notes on rediscovery. Lost species are defined as species that have not been detected in the wild in ten or more years, and lost species might be extinct, imperiled, or even stable and simply difficult to detect or insufficiently searched for. This particular use of the word "lost" is important, because it reminds us that even species that have not been seen in many years might be found again.

JLS is true open access: free for authors and readers. Our partners include Re:wild, the IUCN Species Survival Commission, the University of Nevada Museum of Natural History, and the Tahoe Institute for Global Sustainability. Our Editorial Board members span the globe and provide expertise across the tree of life. Our contributors and audience extend beyond academic scientists: JLS invites contributions from land managers, conservation practitioners, amateur naturalists, and community scientists.

JLS is currently accepting submissions for the first issue. To learn more about article types and the submission process, visit journaloflostspecies.org.

Matthew L Forister (he/him) McMinn Professor of Biology Dept. of Biology / MS 314 1664 N. Virginia St. University of Nevada, Reno Reno, Nevada 89557

Lab < https://sites.google.com/site/greatbasinbuglab/- > Monitoring < https://sites.google.com/view/-westernbutterflies/home > Journal of Lost Species < https://www.journaloflostspecies.org/index.php/jls >

Office: 257 Fleischmann Life Sciences (775) 784 - 6770

Matthew L Forister <mforister@unr.edu>

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Online LanguageBarriersInConferences Survey

Dear colleagues,

The International Student Symposium on Animal Behaviour and Cognition (ISSABC) committee is currently investigating the impact of language barriers on early-career researchers at academic conferences. We are inviting all researchers regardless of career stage to help us assess how language affects participation, accessibility, and inclusivity in academic conferences.

Following our 2023 multilingual conference in Mexico City (https://doi.org/10.1242/bio.060290) and a recent workshop, we aim to further quantify these issues and propose resolutions for future events.

We invite you to complete a short (5 min) survey regarding your experiences, whether or not you have personally encountered language barriers. Your input will contribute to an upcoming study aimed at improving diversity, equity, and inclusion within the global research community.

Survey Link: https://forms.gle/u8ESktcJP8Y6NHob8

Thank you for your contribution.

For questions please contact: Dr Janire Castellano Bueno at janire.castellanobueno@gmail.com

Janire Castellano Bueno (Wild Animal Initiative; Newcastle University, UK), Christopher Miller (Newcastle University, UK) and Alexandros Vezyrakis (University of Hildesheim, Germany and Max Planck Institute for Evolutionary Biology, Germany)

Alexandros Vezyrakis <vezyrakis@evolbio.mpg.de>

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RisingStar FieldEvolution

Dear colleagues,

Do you know a post-doc or junior faculty who is an up-and-coming scientist in field biology? Nominate them for our Rising Stars in Field Biology Seminar! The Rising Star seminar series was developed to amplify the research of early career biologists, and promote networking and research opportunities for them at Mountain Lake Biological Station (MLBS) in Southwestern Virginia. We are seeking nominees who are conducting research in evolution, ecology, behavior, or related fields and have a strong emphasis on field biology. Individuals with the potential to be positive role models for junior scientists (e.g., undergraduate and graduate students, lab technicians, postdocs) would be particularly strong nominees! In addition to showcasing their work, we are particularly eager to invite speakers interested in exploring new research opportunities at MLBS.

Submit your nomination(s) by 11:59 PM (EST) on January 16 using this form: https://forms.gle/-67E8isp6cseXMYN79. If you have any questions, please contact Dr. Corlett Wood (corlett@sas.upenn.edu).

Sandy Kawano, PhD Associate Director of Mountain Lake Biological Station (MLBS) Director of MLBS Research Experience for Undergraduates (REU) program Assistant Professor of Biology, General Faculty she / her / hers

E brr3ph@virginia.edu

[A button with "Hear my name" text for name playback in email signature] < https://www.name-coach.com/-sandy-kawano >

University of Virginia Department of Biology 485 McCormick Road P.O. Box 400328 Charlottesville, VA 22903

"Kawano, Sandy (brr3ph)" <brr3ph@virginia.edu>
"Kawano, Sandy (brr3ph)" <brr3ph@virginia.edu>

RisingStars FieldBiodiversity

Dear colleagues,

Do you know a post-doc or junior faculty who is an up-and-coming scientist in field biology? Nominate them for our Rising Stars in Field Biology Seminar! The Rising Star seminar series was developed to amplify the research of early career biologists, and promote networking and research opportunities for them at Mountain Lake Biological Station (MLBS) in Southwestern Virginia. We are seeking nominees who are conducting research in evolution, ecology, behavior, or related fields and have a strong emphasis on field biology. Individuals with the potential to be positive role models for junior scientists (e.g., undergraduate and graduate students, lab technicians, postdocs) would be particularly strong nominees! In addition to showcasing their work, we are particularly eager to invite speakers interested in exploring new research opportunities at MLBS.

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Sandy Kawano, PhD Associate Director of Mountain Lake Biological Station (MLBS) Director of MLBS Research Experience for Undergraduates (REU) program Assistant Professor of Biology, General Faculty she / her / hers

E brr3ph@virginia.edu

[A button with "Hear my name" text for name playback in email signature] < https://www.name-coach.com/-sandy-kawano >

University of Virginia Department of Biology 485 McCormick Road P.O. Box 400328 Charlottesville, VA 22903

"Kawano, Sandy (brr3ph)" <brr3ph@virginia.edu>

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UWisconsin Madison EvolEarlyCareerAward

Greetings evolution community,

There is still time to apply for the 2026 Early Career Award from the The J.F. Crow Institute for the Study of Evolution at the University of Wisconsin-Madison.

Submit your application by Monday, December 15th, 2025, at 11:59 PM CST.

Please see our website for more information on award eligibility: https://evolution.wisc.edu/seminars/-early-career-seminars/ .Questions? Email ubbelohde@wisc.edu.

Apply here: https://docs.google.com/-forms/d/e/1FAIpQLSfC9h-9_vFiRZ240XFzzKOQ_WfuMI2EGFhD-6xbzxYXliH1IQ/viewform . Best, The Crow Institute / Wisconsin Evolution

Nathaniel Sharp <nathaniel.sharp@wisc.edu>

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Vietnam GradResearchBats May

We are now recruiting applications for the Summer 2026 Graduate Research Experience for the funded National Science Foundation program "IRES: Better Access for Training Scientists (BATS) in Methods to Conserve Bats and Detect Emerging Pathogens"

Bats host more zoonotic viruses than any other mammal species yet they are also silent guardians of our ecosystems, pollinating fruit trees, dispersing seeds, and keeping insect populations in check. As human activity continues to expand into wild landscapes, the risk of zoonotic spillover grows, reminding us how deeply connected our health is to the health of wildlife. This paradox, bats as both carriers and caretakers, lies at the heart of the BATS-IRES program. Understanding this delicate balance requires more than laboratory science alone. It calls for curiosity in the field, creativity in the lab, and compassion in communication.

The BATS-IRES program trains a new generation of scientists in field-based molecular biology and science communication, in collaboration with the Center for Biodiversity and Endangered Species (CBES) in Ho Chi Minh, City, Vietnam.

Over four transformative weeks, participants will: -Collect and sequence DNA in tropical ecosystems using portable "backpack labs." -Work directly with Vietnamese researchers to study bats, microbes, and ecosystems at the edge of change. -Learn to communicate science clearly across cultures, disciplines, and communities.

The program is not only about generating data...it is about building bridges between people, nations, and ideas. Through research, collaboration, and storytelling, participants will explore how science can protect both biodiversity and global health.

Participants will receive a stipend of $700 per week and all travel is covered by the program. The program is four weeks long in 2026. Undergraduates, post-baccalaureates, community college students, and 1st year graduate students are eligible. A valid U.S. passport is required.

The program is run by UNC Charlotte but the entirety of the program will take place in Vietnam.

Eligibility Requirements Must-haves: -A rabies vaccination/titer. Proof of vaccination will be required. There is no funding from this award to support rabies vaccination. -Demonstrated academic achievement and research potential appropriate to stage in career (transcripts and two faculty recommendation letters required). -Interest in evolution, ecology, disease ecology, or wildlife management as evidenced by coursework, research projects, or extracurricular activities.

Nice-to-haves -Previous wet-lab experience in molecular biology -Fieldwork or animal handling experience -Experience in bioinformatics or sequence analysis -Interest in science communication, podcasting, etc. -Flexibility and resilience in adapting to international settings, new environments, and cross-cultural experiences.

Deadline: January 17, 2026 Notification of Participants: February 6, 2026 Participant Decision, Confirmation, and Proof of Vaccination and Documentation: March 13, 2026 Planned Departure Window (will arrange based on final participants): May 18-30, 2026

Program specific information: https://bats-ires.cbes.vn/ Apply here: https://etap.nsf.gov/-award/8348/opportunity/11503 Contact: Dr. Laurel Yohe - Principal Investigator ly-

ohe1@charlotte.edu https://www.yohelab.net/ ing@mcmaster.ca)
Laurel Yohe <lyohe1@charlotte.edu>

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PostDocs

AMNH NewYork PopulationGenomics

The Hayashi lab at the American Museum of Natural History seeks a motivated postdoctoral scholar to conduct research on the population genomics of silk genes in orb-weaving spiders. These spiders produce a variety of silk types with numerous functional differences and the genes that encode these proteins are characterized by abundant gene duplication, complicated repeat structure, extreme homogenization and convergent evolution. We are interested in understanding the molecular and evolutionary mechanisms that generate and maintain genomic diversity of these genes.

The project will leverage whole genome sequencing (WGS) with haplotype phasing across multiple spider populations. Spider silk genes possess complicated hierarchical organization involving SNPs, indels, repeats and paralogs, requiring multi-dimensional measurement of molecular variation. The postdoc will also have opportunities to identify other silkome components under strong selection or pursue additional research with the available WGS data. Field collection and wet lab experiments may be included.

For lab details see: https://www.amnh.org/research/-staff-directory/cheryl-y-hayashi Minimum Qualifications â€- Ph.D. degree with experience in the application of bioinformatics methods, particularly population genomic analyses of structural variation and selection - Proficiency with coding and expertise in the visualization of genomic data. - Demonstrated ability to write peer-reviewed scientific publications - Demonstrated ability to work well independently and with a team.

Preferred Qualifications â€â€â€â€â€- Familiarity with wet lab techniques, particularly RNA extraction and processing - Experience collecting specimens in the field.

The expected salary for the Postdoctoral Scholar is $71,181/annual. The AMNH offers an extensive benefits package designed to meet the needs of our dedicated and diverse community. The Postdoctoral Scholar is expected to be in residence working at the Museum. Pay will be determined based on several factors. The hiring range for the position at commencement is based on the type of work and the scope of responsibilities. The salary and placement offered is based on a number of individualized factors, including, but not limited to, skills, knowledge, training, education, credentials, areas of specialization and depth and scope of experience. Application review will begin January 26, 2026, but applications will continue to be accepted after this date. The position is anticipated to start by April 1, 2026.

To apply, visit: https://careers.amnh.org/postings/4688 The American Museum of Natural History is an Equal Opportunity/Affirmative Action Employer. The Museum does not discriminate with respect to employment, or admission or access to Museum facilities, programs or activities on the basis of race, creed, color, religion, age, disability, marital status, partnership status, gender (including sexual harassment), sex, sexual orientation, gender identity, gender expression, genetic information, pregnancy and lactation accommodations, alienage or citizenship status, current or former participation in the uniformed services, status as a veteran, caregiver, pre-employment marijuana testing, sexual and reproductive health decisions, salary history, national or ethnic origin, height, weight, or on account of any other basis prohibited by applicable City, State, or Federal law. Additional protections are afforded in employment based on arrest or conviction record, status as a victim of domestic violence, stalking and sex offenses, unemployment status, and credit history, in each case to the extent provided by law.

Richard Baker <rbaker@amnh.org>

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Bolzano Italy InsectSymbiontEvolution

Three Postdoctoral positions are offered at the Free University of Bozen-Bolzano (Italy) in the lab of Hannes Schuler

The Schuler lab is member of the Competence Centre for Plant Health < https://www.unibz.it/en/home/-research/competence-centre-plant-health/ >, a joint institution which consists of several research groups in the field of Biology, Agricultural Sciences and Engineering at the Free University of Bozen-Bolzano in Northern Italy. We are a young and dynamic research group studying various aspects of insect-microbe interactions in a collaborative atmosphere http://hschuler.people.unibz.it. We have received funding for two new projects and are looking for three team members with different areas of expertise to join our group.

Position 1: Ecology of Eriosoma lanigerum This position investigates the ecological factors influencing the biology and distribution of the woolly apple aphid, Eriosoma lanigerum, a globally significant pest in apple cultivation. Despite its economic importance and adaptability across diverse regions, there are still many unknowns regarding the environmental and biological drivers of its spread and persistence. The research aims to uncover these factors, providing insights into its lifecycle, adaptation strategies, and symbiotic relationships in different ecological contexts.

Position 2: Genomics of Eriosoma lanigerum This position centers on the genomic analysis of Eriosoma lanigerum to better understand its global population structure and the role of bacterial symbionts in its biology. Although the genome of E. lanigerum has recently been published, there is a lack of population genetic studies and comprehensive investigations of its symbiotic communities. The research will focus on exploring genetic diversity, population dynamics, and the influence of both primary and secondary symbionts, contributing to a deeper understanding of this pest at a genomic level.

Position 3: Phytoplasma genetic screening Phytoplasmas are bacterial pathogens that cause hundreds of plant diseases affecting many important vegetables and fruit crops, thus being responsible for high yield losses worldwide. We aim to unravel genetic differences of

Apple proliferation phytoplasma and its co-occurrence and spatial distribution in apple orchards in Northern Italy.

For position 1 we are looking for a candidate with a background in insect ecology with experience in insect sampling and ecological experiments of insect ecology. For position 2 and 3 we are looking for candidates with strong background in next-generation sequencing and bioinformatic analyses.

General requirements for the position: PhD degree in Biological, Agricultural Sciences, Agricultural Biotechnology with a multidisciplinary profile. The candidate should have excellent communication skills and should be fluent in English.

The projects are expected to start in spring 2026, but the starting dates of the positions are negotiable. Application deadline is 08.01.2026 (noon)

For informal inquiries, and for questions about the hiring process, please contact Hannes Schuler hannes.schuler@unibz.it

All documents for the application procedure can be found here: Position 1: https://www.unibz.it/en/-home/position-calls/positions-for-academic-staff/8068-plant-pathology-and-entomology-prof-schuler-hannes-pos-1?groupt Position 2: https://www.unibz.it/en/-home/position-calls/positions-for-academic-staff/8069-plant-pathology-and-entomology-prof-schuler-hannes-pos-2?groupt Position 3: https://www.unibz.it/en/-home/position-calls/positions-for-academic-staff/-8066-general-and-applied-entomology-prof-schuler-hannes?groupp Prof. Hannes Schuler Competence Centre for Plant Health Faculty of Agricultural, Environmental and Food Sciences

Free University of Bozen-Bolzano Universitï¿½tsplatz 5 I-39100 Bozen-Bolzano Tel: +39 0471 017648 <tel:+390471017648>

hannes.schuler@unibz.it http://hschuler.people.unibz.it Schuler Hannes <Hannes.Schuler@unibz.it>

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Bristol England WaspCooperation

Two social evolution postdocs: conducting field experiments with wasps across Africa to understand the evolution of cooperation

University of Bristol (UK)

Dr Patrick Kennedy (Bristol, UK) and Professor Dustin Rubenstein (Columbia, USA) are looking for two excellent field biologists to work on the evolution of cooperation using one of Africa's most familiar insects - the 'needle-waist wasps', Belonogaster. Both postdocs will undertake extensive fieldwork across Africa, collaborating with colleagues in Cameroon, Kenya, and South Africa. You will be based at the University of Bristol's Social Strategy Lab < https://-www.patrickckennedy.com/ > in the UK.

Lab website: www.tinyurl.com/SocialStrategyLab Application deadline: 11th January 2026

There are two positions available:

1. Postdoctoral Field Manager ("Quantifying Hamilton's rule in the wild")

The Postdoctoral Field Manager will help to coordinate an international field team spanning three African countries (Cameroon, Kenya, and South Africa), investigating the evolution of cooperation and conflict by running field experiments. Working with in-country field teams, you will collect field data on costs and benefits of cooperation in a powerful wild system.

Find out more here: www.tinyurl.com/-SocialStrategyLab/postdoc1 1. Senior Research Associate ("Understanding the evolution of castes")

The Senior Research Associate will investigate the evolution of castes ('queens' and 'workers'). You will run field experiments with social wasps in three African countries (Cameroon, Kenya, and South Africa), combining a diverse range of techniques - including behavioural experiments in the field, CT scanning, and bioinformatics.

Find out more here: www.tinyurl.com/-SocialStrategyLab/postdoc2 The essential requirements for each role (and how to apply) are detailed at the links above. In overview:

* Postdoctoral Field Manager: we are looking for an exceptional fieldworker. You must be prepared to spend at least six months per year working in diverse habitats across Africa, with high independence, strong practical and team skills, and confidence travelling for research.

* Senior Research Associate: we are looking for a biologist with good all-round skills. You should be confident travelling and conducting fieldwork across remote locations, and prepared to analyse diverse data strands.

* The successful applicants will be initiative-taking scientists with exceptional organisational and team skills and the ability to problem-solve during fieldwork. Applicants without demonstrable field research experience

will not be considered. However, prior experience working with social insects, or working in an African context, is not essential.

Applicants with outstanding fieldwork experience coming from disciplines outside evolution, ecology, or animal behaviour (e.g., anthropology, geography, population health, conservation biology) are welcome to apply. You will be expected to develop a strong grasp of social evolution and behavioural ecology, including inclusive fitness theory.

It is expected that these positions will start as soon as possible from 1st March 2026.

Salary: University of Bristol Grade J (43,482 - 50,253 per annum)

For informal enquiries, please email patrick.kennedy@bristol.ac.uk

Patrick Kennedy <patrick.kennedy@bristol.ac.uk>

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EMBL-EBI Phylodynamics

Dear Colleagues,

We will very soon have a postdoc position open with us at EMBL-EBI on 'pandemic-scale phylodynamics', in collaboration also with the Duchene, Lemoine and Zhukova groups at Institute Pasteur, and the McHardy group at the Helmholtz Centre for Infection Research. We want to hire somebody from as soon as possible (hence this early pre-advertisement) until the end of October 2027.

We are looking for somebody with statistical/computational/genomic epidemiology expertise and skills. Interest and/or experience in large-scale genomic data analysis and simulation would be a great plus. The aims of our side of the project will be: - developing methods for large-scale global genomic epidemiological simulations, and create a general framework for benchmarking phylodynamic inference methods. - extending MAPLE [1 [1],2 [2],3 [3]] to allow massive time tree and phylogeographic inference. - benchmarking existing phylodynamic/phylogeographic methods at large scale. The candidate will be expected to contribute to at least some of these tasks. We will coordinate work on these topics with our collaborators, who will develop scalable methods for the inference of variant fitness [4 [4]] and in phylogeography [5 [5]] and phylodynamics [6 [6],7 [7]].

We will soon officially advertise the position, but for now, we would be very thankful if you could alert interested candidates or put them in contact with us.

Best regards, Nicola De Maio and Nick Goldman <demaio | goldman>@ebi.ac.uk

Links:

[1] https://www.nature.com/articles/s41588-023-01368-0 [2] https://www.nature.com/articles/s41586-025-09567-x [3] https://doi.org/10.1101/2024.07.12.603240 [4] https://www.nature.com/articles/s41467-025-60231-4 [5] https://doi.org/10.1093/molbev/msz131 [6] https://www.nature.com/articles/s41467-022-31511-0 [7] https://doi.org/10.1093/sysbio/syad059 Nick Goldman <goldman@ebi.ac.uk>

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FloridaAtlanticU EnvironmentalScience 5positions

Hello Everyone -

Florida Atlantic University's School of Environmental, Coastal, and Ocean Sustainability (ECOS) is accepting applications for five 2-year postdoctoral fellowships supporting solution-oriented research addressing pressing environmental challenges.

FAU is a top 100 R1 university on Florida's southeast Atlantic coast with access to coral reefs, the Everglades, and urban coastal communities. ECOS faculty are based in the College of Science in Boca Raton and Davie FL, and at Harbor Branch Oceanographic Institute in Fort Pierce FL.

Fellows receive competitive salary with benefits, $5,000/year research budget, and access to world-class research facilities with opportunities to develop independent research programs. Fellows will be advised by two ECOS-affiliated faculty (https://www.fau.edu/ecos/affiliate-members/) with their primary advisor and home being located on the Boca Raton or Davie campuses.

Application Requirements/Materials (submit as single PDF): - Recent PhD in environment-related science (within one year of start date) - Cover letter (1-2 pages)

- CV including publication record - Research proposal (3-5 pages) - Letter of Support from two ECOS faculty advisors - Contact information for three references

Application Deadline: February 2, 2026 Start Date: May-August 2026 (negotiable)

Full details: https://www.fau.edu/ecos/wlw-ecos-postdoc-fellowships/ Apply: ecos@fau.edu (subject: "WLW-ECOS Postdoctoral Fellowship Application Attached")

Questions: ecos@fau.edu or Dr. Steve Vollmer, ECOS Director (svollmer@fau.edu)

Steve Vollmer, Ph.D. Director | School of Environmental, Coastal, and Ocean Sustainability (ECOS) Professor | Department of Biology |Charles E. Schmidt College of Science Florida Atlantic University | 3200 College Avenue, Davie West | Davie, Florida Google Scholar < https://scholar.google.com/-citations?user=ww1DGUEAAAAJ&hl=en >| GitHub < https://github.com/svvollmer > | LinkedIn < http:/-/www.linkedin.com/in/steve-vollmer-766297222 >

"svollmer@fau.edu" <svollmer@fau.edu>

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HarvardU PlantEvolution

Arnold Arboretum Postdoctoral Fellowships

The Arnold Arboretum of Harvard University invites early career scientists to apply for a unique opportunity to start a research career as independent postdoctoral fellow while gaining training and connections within the framework of a top-tier academic environment. The Katharine H. Putnam Fellowship in Plant Science supports scientists focused on utilizing the Arnold Arboretum's living collections of woody plants to study any area of plant science. The Global Change Postdoctoral Fellowship supports researchers that tackle any area of global change science utilizing the myriad resources of the Arnold Arboretum. The Arnold Arboretum of Harvard University and its urban landscape in Boston are particularly well-suited for global change and plant science research. It is both an outdoor museum of the world's temperate trees and other woody plants grown in a public open space, all within sight of the Arboretum's state-of-the art research facilities.

Deadline: Jan 11

Fellowship Details:

An Arboretum Postdoctoral Fellowship includes a salary of $83,000 per year, health insurance eligibility, and annual support of up to $10,000 for professional expenses including research, travel, relocation to Boston (and up to $2,500 of total budget). Fellows are expected to be in full-time residence at the Arboretum during their 2-year tenure and are provided office and research space. It is not necessary to have a specific faculty host. Fellows can start between July 1 and the beginning of September.

Eligibility:

Applications are sought from early-career individuals with a PhD in life sciences, plant biology, evolution, plant genetics, plant ecology, horticulture, or related discipline. Applicants must have their PhD when they initiate their term at the Arboretum. We strongly encourage applications from groups under-represented in the sciences. Foreign nationals are eligible to apply, but applicants are expected to be fluent in English.

More information:

https://arboretum.harvard.edu/research/programs-and-opportunities/global-change-postdoctoral-fellowship/ Commitment to Equity, Diversity, Inclusion, and Belonging

Harvard University and the Arnold Arboretum view equity, diversity, inclusion, and belonging as the pathway to achieving inclusive excellence and fostering a campus culture where everyone can thrive. We strive to create a community that draws upon the widest possible pool of talent to unify excellence and diversity while fully embracing individuals from varied backgrounds, cultures, races, identities, life experiences, perspectives, beliefs, and values.

EEO Statement

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions, or any other characteristic protected by law.

Faye Rosin, PhD Director of Research Facilitation Arboretum Arboretum of Harvard University < https:/-/arboretum.harvard.edu/ > 1300 Centre St | Boston, MA 02131 617.384.5095

"Rosin, Faye M" <frosin@oeb.harvard.edu>

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ITV Brazil PlantsConservationGenomics

If you are passionate about using your genomics and bioinformatics skills for real applied conservation, we have openings for fellowships to work on the project "Plantomics: omics tools applied to conservation and management of endemic and imperiled plants" at ITV, located in Belém, Brazil.

The Plantomics project will investigate, from an ecological and evolutionary perspective, the factors associated with the short- and long-term vulnerability of plant populations, including those resulting from direct and indirect impacts of mining activity. Genomic studies will analyze patterns of diversity and population structure, as well as to detect gene flow and hybridization processes between closely related taxa. The different lines of investigation will use endemic, rare, or threatened species as models and will provide fundamental data to assess the risks of genetic erosion and support strategies that reconcile biodiversity conservation and mining activity.

The Vale Institute of Technology (ITV) is a privately funded research institute in Belem, Para, Brazil and has a state-of-the-art genomics laboratory infrastructure able to generate all data in-house and high-performance computing resources.

We have four positions; one technical fellowship focused on reference genomes (under supervision of Dr. Sibelle Vilaca) and three postdoctoral fellowships, two on population genomics (supervised by Dr. Carolina Carvalho) and one on transcriptomics (supervised by Dr. Amanda Vidal)

1. Technical training position (TT-V) on reference genomes of microendemic plants

The 12-month TT-V fellowship can be remote, with a monthly stipend of BRL $9320 Brazilian reais (~USD$1700). Applicants should have a strong background in genomics, with experience in chromosome-level genome assembly. Depending on the interests of the candidate, there will be opportunities to work in related projects in comparative genomics, transcriptomics, and population genomics.

2) Postdoctoral fellowship on population genomes of microendemic plants

The two 12-month fellowships are on-site, with a monthly stipend of BRL $9320 Brazilian reais (~USD$1700). Applicants should have a strong background in genomics, with experience in population-level resequencing data for analyzing hybridization processes or with forward simulations using SLim.

3) Postdoctoral fellowship on transcriptomes of microendemic plants

The on-site 12-month fellowship has a monthly stipend of BRL $9320 Brazilian reais (~USD$1700). Applicants should have a strong background in transcriptomics, with experience in coding and non-coding (microRNAs and long RNAs) RNAs, and regulatory networks.

Details for the positions with minimum requirements can be found here: https://portalfadesp.org.br/-?page_idR915 (pages 113 and 114). While postdoctoral fellowships require a completed PhD, TT-V fellowships have the same monthly stipend and require at least 5 years of experience after an undergraduate degree or a finished PhD.

Applications have to be submitted through the FADESP website before January 5th, 2025. Please note that the cover letter needs to be submitted in Portuguese. Interviews are expected to happen in late January. Start date is March 1st.

Thanks,

Sibelle

Sibelle Torres Vilaça, PhD Adjunct Researcher

Instituto Tecnologico Vale | Vale Institute of Technology Desenvolvimento SustentÃÂvel | Sustainable Development GenÃÂmica Ambiental | Environmental Genomics Rua Boaventura da Silva, 955 ' Nazaré 66055-090 ' Belém, PA, Brasil

E-mail: sibelle.vilaca@itv.org CV Lattes < https:/-/lattes.cnpq.br/1331509121011444 > | Google Scholar < https://scholar.google.com/citations?user=-QZxwYiwAAAAJ&hl > | ORCID < https://orcid.org/-0000-0002-6887-4703 >

Genomica da Biodiversidade Brasileira (GBB) < https:/-/www.itv.org/projeto-genomica-da-biodiversidade-brasileira/ > Coalition for Conservation Genetics < https://www.coalitionforconservationgenetics.org/-about-us > Member, IUCN SSC Conservation Genetics Specialist Group < https://iucn.org/our-union/-commissions/group/iucn-ssc-conservation-genetics-specialist-group >

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JohnInnesCentre UK SymbiosisPlantInsectInteractions

A four-year postdoctoral position is available in the Mutualisms Laboratory at the John Innes Centre in Norwich, UK. Applications are due on December 15th: https://www.jic.ac.uk/vacancies/postdoctoral-researcher-hassan-group/ The Mutualisms Research Group studies the evolution and mechanisms of mutualistic interactions between insects and microbes. Focusing on leaf beetles and their bacterial symbionts, the group explores how these partnerships shape host nutrition, development, and adaptation. Using genomic, chemical, and developmental approaches, they investigate how symbionts contribute to host physiology and ecological success. By integrating evolutionary biology and molecular tools, the group aims to uncover the processes that maintain beneficial host-microbe associations and illuminate the broader principles governing symbiosis in nature.

A postdoc skilled in genetic manipulations is essential to advance the group's research on insect-microbe mutualisms. They will develop and apply molecular tools for functional studies in symbiotic systems, enabling gene editing, symbiont manipulation, and mechanistic insight into host-symbiont interactions that drive evolutionary innovation and ecological adaptation.

The initial contract length is 17 months, after which the employment duration is extended through four years.

The role:

The candidate will complement bioassays in the laboratory and field, and develop and apply genetic manipulation tools to dissect the molecular and functional mechanisms underlying insect-microbe mutualisms.

This diverse role will provide you with a broad range of stimulating activities, including:

Designing and implementing innovative genetic tools to experimentally probe host-symbiont interactions. Collaborating across disciplines, including, genomics, microbiology, and evolutionary biology in order to integrate diverse datasets and approaches. Presenting discoveries at international conferences and mentoring students within a dynamic, interdisciplinary research environment.

The ideal candidate:

You will have a PhD or equivalent in Evolutionary Biology, Genomics or related discipline.

The successful candidate will have good knowledge of molecular biology techniques and genomics as well as scripting (preferably in R or Python). The post holder will have demonstrated ability to perform research and develop novel ideas in the area of symbiosis research and the development of genetic tools for microorganisms.

They will also have experience of supervising, training and mentoring visitors and students, excellent communication skills with the ability to present complex information with clarity and a demonstrated ability to work independently, using initiative and applying problem solving skills.

Additional information:

For inquiries, please contact Dr. Hassan Salem (hassan.salem@jic.ac.uk).

For further information and details of how to apply can be found here: https://www.jic.ac.uk/vacancies/postdoctoral-researcher-hassan-group/ or contact the Human Resources team on 01603 450814 or nbi.recruitment@nbi.ac.uk quoting reference 1004977.

Applications are due on December 15th. We anticipate interviews for this role will take place in late January. Therefore, please be advised that shortlisted candidates may not be contacted until early January.

This role meets the criteria for a visa application, and we encourage all qualified candidates to apply. Where the successful applicant requires a visa, we will fund the costs for their visa and the Immigration Health Surcharge. Please contact the Human Resources Team if you have any questions regarding your application or visa options.

We are an equal opportunities employer, actively supporting inclusivity and diversity. As a Disability Confident organisation, we guarantee to offer an interview to all disabled applicants who meet the essential criteria for this vacancy. We are proud to hold a prestigious Gold Athena SWAN award in recognition of our inclusive culture, commitment and good practices towards advancing of gender equality. We offer an exciting, stimulating, diverse research environment and actively promote a family friendly workplace. The Institute is also a mem-

ber of Stonewall's Diversity Champions programme.

Hassan Salem <hassan.salem@tuebingen.mpg.de>

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LoyolaUChicago Paleo EvolTimeSeries Analysis

I am searching for a full-time postdoctoral researcher with experience in the area of the statistical analysis of multivariate evolutionary time series or related topics. I have a funded project to study microevolution in a 20,000-year-long sequence of the fossil stickleback fish, Gasterosteus doryssus.

The postdoctoral researcher will be responsible for (i) analyzing and interpreting a completed phenotypic and paleoecological dataset from the fossil fish sequence; (ii) preparing and publishing manuscripts; (iii) assisting with data curation and archival; and (iv) supervising undergraduate researchers assisting with the project. The postdoc could have the opportunity to learn fossil preparation and conduct collection, if needed to augment analysis and writing. The position is classified as a teaching postdoc, and the postdoc may teach courses as instructor of record depending on research requirements, funding, interest, and career goals.

Details are below. Here is the link to the application: https://www.careers.luc.edu/postings/34284 Please reach out to me with questions.

Dr. Yoel Stuart ystuart@luc.edu stuartlabloyola.org

Maximum Annual Salary: The salary will be competitive given the applicant's degree status and experience.

Duration: The initial appointment will be for one year starting approximately on or after March 01, 2026, and may be extended, contingent on performance and funding.

Duties and Responsibilities: The postdoctoral researcher will be responsible for (i) analyzing and interpreting a complete phenotypic and paleoecological dataset from the fossil fish sequence; (ii) preparing and publishing manuscripts; (iii) assisting with data curation and archival; and (iv) supervising undergraduate researchers assisting with the project. The postdoc could have the opportunity to learn fossil preparation and conduct collection, if needed to augment analysis and writing. The position is classified as a teaching postdoc, and the postdoc may teach courses as instructor of record depending on research requirements, funding, interest, and career goals.

Minimum Education and or Work Experience: Education Required. Applicants with at least a Masters Degree in evolutionary biology, paleobiology, or a related field.

Experience Required. As evidence of experience analyzing evolutionary time series, the applicant should have least one manuscript in peer review describing a study of evolutionary time series or related analysis. The applicant should have a valid driver's license and be willing to drive a field vehicle.

Preferred Qualifications: Applicants with at least a PhD degree in evolutionary biology, paleobiology, or a related field are preferred. As evidence of experience analyzing evolutionary time series, the applicant should have least one peer-reviewed publication describing a study of evolutionary time series or related analysis. The applicant should have a valid driver's license and be willing to drive a field vehicle.

Computer Skills: Proficiency in Microsoft Word and Microsoft Excel. Proficiency in R and producing reproducible, shareable code and projects.

Special Instructions to Applicants: Applicants should apply online at http://www.careers.luc.edu and submit a letter of intent that describes their experiences and fit to the position, as well as a current Curriculum Vitae. Please provide the names and email addresses of two individuals who are qualified to speak to the applicant's qualifications for this position. Referees might be contacted later in the review process. For more information, please contact Dr. Stuart (ystuart@luc.edu).

"Stuart, Yoel" <ystuart@luc.edu>

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LundU Sweden EvolutionaryGenomics

We are recruiting a postdoctoral candidate for a scholarship position in evolutionary genomics of polyploidization.

The scholarship is for one year with opportunity for prolongation for an additional year. The position is based in the SPeciation, Adaptation and Co-Evolution (SPACE)

lab at Lund University, Sweden. The candidate will be part of the research groups of Dr. Anna Runemark and Dr. Magne Friberg. The SPACE research environment at Lund University currently comprises Friberg, Runemark, an additional senior PI, three senior scientists, seven postdocs, four PhD candidates and several MSc students and research assistants interested in ecology and evolutionary genomics of adaptation.

In the project, we will take advantage of polyploidization in Lithophragma bolanderi, a plant complex with ploidy variation, and its specialized Greya politella moth pollinator to study the genomic consequences of the ploidy change in both interacting organisms. Polyploidization has been shown to alter both floral morphology and scent in the L. bolanderi complex (Gross et al. 2025 PNAS), with consequences for the interactions with moths. We aim to investigate the genetic and gene expression changes of polyploid plants, under selection to attract their pollinators. The project builds upon findings of morphological and scent differences between diploid and polyploid L. bolanderi, and differences between neopolyploids and natural ones exposed to selection (Gross et al. 2025 PNAS, Friberg et al. 2019 PNAS).

The work will largely be based on analysis of a WGS dataset from comprising phenotyped plants, including six tetraploids and four hexaploids, all from divergent populations, as well as ca. 70 diploid genomes from a range of populations both in sympatry and allopatry with polyploids. There is room for the candidate to sequence additional individuals and shape the project according to their research interests.

Eligibility: The scholarship is funded by the Carl Trygger foundation, requiring candidates to have a PhD younger than 6 years exempting documented parental leave and stipulating that candidates cannot have been previously employed at Lund University. We are primarily searching for a candidate with a strong background in evolutionary genomics and a solid track record of bioinformatical analysis.

The Department of Biology at Lund University is a highly international environment with weekly seminars with invited international speakers. The Department also organizes a lot of social activities, including regular joint division breakfasts, a well visited Friday pub, floor hockey, board game nights etc.

Contact persons: Anna Runemark anna.runemark@biol.lu.se and Magne Friberg magne.friberg@biol.lu.se

Application: Please apply by sending an email containing a 2 page CV and 1 page letter of interest to us at latest February 13th 2026.

Anna Runemark <anna.runemark@biol.lu.se>

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Luxembourg LandscapeConnectivity

Postdoc: Luxembourg.LandscapeConnectivity

Project: Enhancing Amphibian Connectivity in Luxembourg Project Background Amphibians are the most threatened vertebrates on Earth and among the taxa most vulnerable to habitat loss and fragmentation, mainly due to human activities such as road construction and urban development.

Luxembourg faces the same pressures, making it essential to implement strategies that strengthen ecological connectivity of amphibian populations.

This project aims to develop a coherent and effective network of ecological corridors for multiple amphibian species, using a multi-species, multi-habitat approach based on graph theory.

Main Responsibilities The recruited researcher will carry out the following scientific tasks: -Compile and analyse scientific literature on habitat requirements and dispersal distances of 12 amphibian species present in Luxembourg.

-Develop habitat suitability and landscape resistance models for each target species.

-Integrate and analyse genetic data (when available) to validate connectivity models.

-Apply advanced methods (e.g., graph theory) to identify priority intervention areas.

-Propose optimal locations for the creation/restoration of ponds and the installation of road-crossing structures (e.g., eco-ducts, adapted culverts), for each species.

-Prepare scientific reports and formulate concrete recommendations for conservation managers and decision-makers.

Required Profile -PhD in conservation biology, landscape ecology, landscape genetics, or a related field.

-Proven skills (e.g., publications, technical reports, packages) in spatial modelling and GIS (R/QGIS/ArcGIS), specifically connectivity analysis.

-Experience in population genetics.

-Proficiency in R and/or Python and/or Julia.

-Strong biostatistical skills, critical thinking, autonomy and scientific rigor.

-Knowledge of amphibian ecology is an advantage.

Working Conditions -Contract: 20 months fixed-term contract (40h/week) - Employer: Fondation Faune-Flore (https://faune-flore.lu/).

-Location: National Natural History Museum, Luxembourg (https://mnhn.public.lu/).

-Start date: 2026, as soon as a suitable candidate has been recruited.

How to Apply Please send your CV, a cover letter and a list of publications to: afrantz@mnhn.lu

Applications will be reviewed continuously until the position is filled.

Alain Frantz, D.Phil Chargï¿½ d'ï¿½tudes / Conservateur Dï¿½partement de zoologie Musï¿½e National d'Histoire Naturelle 25, rue Munster L-2160 Luxembourg

Tel: (+352) 46 22 33200

Alain Frantz <alain.frantz@mnhn.lu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Montpellier France PopulationGenomics

Postdoctoral position in population genomics in Montpellier, France

We are looking for a postdoctoral researcher with experience in population genomics to work on an ANR-funded project (https://anr.fr/Project-ANR-23-CE27-0023) addressing the emergence and evolutionary history of agriculture in the Congo Basin rainforests using genomic approaches. Specifically, we aim at reconstructing the spatio-temporal dynamics of diffusion of a set of culturally emblematic local food plants (trees, palms, cereals and tubers) and at analyzing how their recent ecological and evolutionary histories (7,000 BP to present) were affected by human occupation, migration and new agricultural practices.

The postdoc will be in charge of population genomic analyses exploring the evolutionary history (domestication and diffusion) of nine key food plant species from the Central African rainforests. Tasks include coalescent-based demographic inferences, although the postdoc will be free to investigate her/his own path of analysis. For each species, 48 geo-referenced samples representative of the species geographic distribution in central Africa have been sequenced through (i) a shot gun procedure in order to recover their cpDNA for phylogeographic analyses, (ii) an enrichment strategy using the Angiosperm 353 bait kit to conduct genetic structure and demographic scenario analyses based on the allele frequency spectra (iii) a shot gun strategy on five individuals per species in order to conduct demographic analyses (e.g. using the pairwise sequentially Markovian coalescent (PSMC) method).

The position will be based at IRD (French national research institute for sustainable development) in Montpellier, France. The postdoc will closely work with Jérôme Duminil, Philippe Cubry, Rémi Tournebize and Cédric Mariac, all based in the same team and unit (UMR DIADE) at IRD, Montpellier.

Applicants should have a PhD or postdoctoral experience in a relevant area (evolutionary biology, population genomics). We will prioritize someone with a vivid interest in evolutionary biology and demographic / phylogeography research and with a strong background in population genomics and statistical genetics. Experience with handling genomic data and population genomic methods, as well as skills in bioinformatics and programming, are required. Previous experience with simulation-based methods would be a plus. Good written and verbal communication skills, interpersonal skills, a strong work ethic, and the ability to think creatively and critically are desired. Working language can be either English or French, depending on the candidate's preference.

The appointment is for 22 up to 24 months, with an ideal starting date in March 2026. Salary will be about 2 200 euros per month after taxation, depending on experience. Health insurance costs for the candidate and his/her family are included in the taxation (https://www.cleiss.fr/docs/regimes/regime_france/an_1.html). Foreign nationalities can benefit from government support for housing and children's education depending on their income. French school fees are free or low. Several public schools located in Montpellier area offer international sections (English, Spanish, Arabic, Chinese). Foreign researchers can get additional information and administrative help from Euraxess local office. The city of Montpellier and it surrounding area combine culture, good infrastructure, warm weather (with soft winters), most amenities within a walking distance, and

a sophisticated yet not too urbanized lifestyle. Public transports are free for city residents. Montpellier is a dynamic city with more than 50% of the population under 34 years old. Montpellier has its own airport and a direct train to Paris and other main European cities (Barcelona, Lyon, etc.). Surroundings combined with Mediterranean climate offer great opportunities for outdoor activities in sea and mountain environments.

Informal inquiries are welcome and can be addressed to Jérôme Duminil (Jerome.duminil@ird.fr). Full applications should be sent by email to Jérôme Duminil accompanied by a 1) cover letter, 2) a detailed CV, 3) a list of publications, and 4) two referees' contact number or email address. Application deadline is set at 15/01/2026 . Reviewing of applications will begin soon after the deadline but the position will remain open until a suitable candidate is identified.

Dr. Jérôme Duminil

IRD Senior researcher

https://sites.google.com/site/-plantbiodiversityadaptation/

phone : +33 (0)467416309

IRD - Institut de Recherche pour le Développement

UMR DIADE, équipe Dynadiv

911 avenue d'Agropolis

BP 64501 34394 Montpellier Cedex 5

— / —

Montpellier SoilMicrobialBiodiversity

Bonjour Ã— tous,

vous trouverez ci-joint une offre de post-doc basé au Cirad Ã— Montpellier avec des missions courtes Ã— La Réunion, focalisé sur l'étude l'influence des pesticides sur la biodiversité microbienne des sols (données issues de l'analyse de l'ADNe), et son impact potentiel sur la santé humaine (mesure des ARGs et détections de pathogénes) et celle des écosystémes (fonctions portées par la biodiversité). Le jeux de données Ã— analyser, actuellement en cours d'acquisition, se focalise sur 610 échantillons de sols représentatifs de l'ensemble des modes d'usage de l'ÃÂle de La Réunion (campagne TROPISM-Réunion, https://tropism-reunion.org/). Toutes les informations sont dans l'offre ci-dessous.

https://recrutement.cirad.fr/offre-de-emploi/emploi-chercheur-se-pour-l-etude-de-l-effet-des-pesticides-sur-les-communautes-microbiennes-des-sols_12744.aspx

Ce post-doc s'inscrit dans le cadre du projet SEMSOP (http://ecophytopic.fr/recherche-innovation/-exposition-et-impacts/projet-semsop).Un profil avec des compétences en analyse statistique / modélisation et écologie microbienne est recherché.

N'hésitez pas Ã— diffuser cette offre dans vos réseaux. La deadline pour postuler (via le site web) est fixée au 16 décembre.

Bonne journée Ã— tous, Caroline BRUNEL

—

Dear all,

Please find attached a post-doctoral position based at Cirad in Montpellier, with short missions in La Réunion. The position focuses on assessing the influence of pesticides on soil microbial biodiversity (using data generated from eDNA analyses), as well as their potential impacts on human health (quantification of ARGs and pathogen detection) and on ecosystem health (functions supported by microbial biodiversity). The dataset to be analysed, currently being acquired, comprises 610 soil samples representative of all land-use types across La Réunion Island (TROPISM-Réunion campaign, https://tropism-reunion.org/). All further information is provided in the announcement below:

https://recrutement.cirad.fr/offre-de-emploi/emploi-chercheur-se-pour-l-etude-de-l-effet-des-pesticides-sur-les-communautes-microbiennes-des-sols_12744.aspx

This post-doctoral position is part of the SEMSOP project (http://ecophytopic.fr/recherche-innovation/-exposition-et-impacts/projet-semsop).

We are seeking candidates with strong skills in statistical analysis/modelling and microbial ecology.

Please feel free to circulate this announcement within your professional networks. The deadline for applications (via the website) is 16 December.

Kind regards, Caroline BRUNEL

Caroline Brunel, Microbial Ecology

* Please note that I neither expect nor give answers outside your/my working hours.

TROPISM-Réunion (https://tropism-reunion.org/) Per-

syst - UPR HortSys (https://ur-hortsys.cirad.fr/) CIRAD (https://www.cirad.fr/en)

BÃÂtiment E - Bureau 003 Station de Bassin Plat BP 180 97455 Saint-Pierre Cedex La Réunion

Caroline BRUNEL <caroline.brunel@cirad.fr>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Paris HumanEvolutionaryGenomics

Postdoctoral position in human evolutionary genomics / paleogenomics / statistical genetics (Paris, France)

We invite applications for a *33-month postdoctoral position* in human evolutionary genomics, paleogenomics and statistical genetics, funded by the Foundation for Medical Research until January 2029. The position will start *1 May 2026* (flexible).

The postdoc will investigate the *evolutionary history and selection of genetic variants associated with complex human diseases*, integrating *ancient genomes*, *GWAS summary statistics*, and *genealogical approaches*, including *ancestral recombination graphs (ARGs)*.

Research activities

- Evaluate, apply, and extend methods for reconstructing genealogies and ARGs using modern and ancient genomes - Analyze GWAS data to study disease-associated variants in an evolutionary framework - Develop analytical models and simulations to characterize selective regimes, including polygenic selection - Contribute actively to manuscript preparation and conference presentations

Required profile

- PhD (obtained or near completion) in evolutionary genomics, statistical genetics, bioinformatics, or a related field - Strong background in population/statistical genetics and large-scale genomic data analysis - Experience with computational genomics and scientific programming - Excellent written and spoken English - At least one first-author publication (published or in press) - Ability to work independently and collaboratively in an international research environment

Environment The position is based at the *Jacques Monod Institute (IJM)**, located in the heart of Paris, in a dynamic, international research environment with computing infrastructure adapted for large-scale genomic analyses. The postdoctoral researcher will be supervised by Dr. Stéphane Peyrégne, head of the paleogenomics team at the IJM. This recently created team studies ancient genomes to better understand human evolution and its **relevance** for biology and health.*

Remuneration and benefits Salary starts from approximately * euro **2**,**500 per **month* after taxation, depending on experience, according to French public research scales. Health insurance costs for the candidate and their family are included in the taxation (https://-www.cleiss.fr/docs/regimes/regime_france/an_1.html). Foreign nationalities can benefit from government support for housing and children's education depending on their income. French school fees are free or low.

Applications Informal inquiries are welcome and can be addressed to Stéphane Peyrégne (stephanepeyregne@gmail.com). Full applications should be submitted via the CNRS portal: https://-emploi.cnrs.fr/Offres/CDD/UMR7592-ZOUZAD-010/-Default.aspx?lang=EN Applicants will first register and upload a CV, then submit a brief statement of research interests. Please include contact information for 2-3 referees. Review of applications will begin immediately and continue until the position is filled.

Stéphane Peyrégne <stephane.peyregne@gmail.com>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Sheffield UK PlantEvolution

~~ 2.5 Year postdoc position on horizontal gene transfer (HGT) in plants ~~

Apply here: Research Associate: Horizontal Gene Transfer at University of Sheffield < https://-www.jobs.ac.uk/job/DPQ418/research-associate-horizontal-gene-transfer >

Deadline: 9th January 2026

Are you a motivated and creative molecular biologist with a passion for plant-genome analysis? We have an exciting opportunity in the School of Biosciences for a Postdoctoral Research Associate to join Dr Luke Dunning's research group. This is an excellent opportunity to play a central role in a pioneering, interdisciplinary project on genome evolution and adaptation in plants.

In this role, you will lead bioinformatic and phyloge-

nomic analyses to identify and characterise Horizontal Gene Transfer (HGT) events across flowering plants. Analyse whole-genome Illumina datasets from natural populations to estimate the rate and fitness effects of HGT in natural settings. Participate in field sampling and molecular laboratory work as required. Collaborate closely with project partners across the Universities of Sheffield, Edinburgh, Oxford, and Bangor to ensure effective data sharing, analysis coordination, and synthesis of results contributing to publications, presentations, and project reporting, and work collaboratively with PhD students, research technicians.

Applicants must have a PhD (or equivalent postdoctoral level work experience) in a relevant area along with a proven track record of research in an appropriate area of biology. Expertise in developing bioinformatic pipelines and experience of phylogenomic analysis are also essential. You will be able to work independently, manage your time effectively, and communicate clearly within a multidisciplinary team. Enthusiasm, curiosity, and a collaborative mindset are also essential.

At the University of Sheffield, our people are at the heart of everything we do. We offer a competitive annual leave entitlement, flexible working opportunities, a generous pension scheme, and a commitment to your professional development and wellbeing.

Find out more at sheffield.ac.uk/jobs/benefits and join us to become part of something special.

We build teams of people from diverse heritages and lifestyles whose talents and contributions complement each other to greatest effect. We believe diversity in all its forms delivers greater impact through research, teaching, and student experience.

Dr Luke T. Dunning

Senior Lecturer Ecology and Evolutionary Biology School of Biosciences University of Sheffield @LukeTDunning < https://twitter.com/luketdunning > https://dunning-lab.sites.sheffield.ac.uk/ < https://dunning-lab.group.shef.ac.uk >

Luke Dunning <l.dunning@sheffield.ac.uk>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

l.dunning@sheffield.ac.uk

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Taipei EvolutionMicrobialSymbiosis

The Laboratory of Microbial Symbiosis, Ecology, and Evolution(PI: Dr. Chang-Yu Chang) at Academia Sinica invites applications for a Postdoctoral Researcher to study the ecology and evolution of plant ÂCmicrobe symbiosis. Our group integrates field ecology, molecular microbiology, and genomics to understand how microbial communities assemble, adapt, and diversify across hosts and environments.

Research topics include: - Host identity and filtering effects on symbiont community assembly - Ecological genomics of rhizobia and related bacteria - Functional variation and trade-offs in facultative symbionts

Applicants should hold a Ph.D. in ecology and evolution, microbiology, genomics, or a related field by the start date, with a strong publication record and experience in one or more of the following: field sampling, microbial or molecular experiments, bioinformatics, or ecological modeling. Strong English communication skills are essential.

The position is based at the Biodiversity Research Center, Academia Sinica, Taiwan Â Âs premier research institution. The working language is English. The starting salary is NT$64,711/month (˜US$2,000)plus benefits. Rent for a one-bedroom apartment near campus typically costs less than 25 ÂC30% of a postdoc Â Âs salary. Taipei offers a safe, modern, and vibrant lifestyle Â Âinternational, LGBTQ-friendly, and surrounded by accessible urban and natural areas.

The start date is flexible. Review of applications begins immediately and will continue until the position is filled.

To apply, emailchangyuchang@gate.sinica.edu.twwith the subject line BRC_Postdoc_YourName, including a cover letter (ÂÃÂ2 pages), CV, and contact information for two referees in a single PDF.

Official job posting: https://www.sinica.edu.tw/en/-recruitment_content/53/11886 More about the lab: https://chang-yu-chang.github.io/changlab/ Chang-Yu Chang,Ph.D. Assistant Research Fellow Biodiversity Research Center, Academia Sinica

https://chang-yu-chang.github.io/changlab/ CHANG-YU CHANG <changyuchang@as.edu.tw>

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golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Toulouse EvolutionPathogenicAvianInfluenza

Hi everyone,

we are looking for a postdoc to work on the determinants of cross-species transmission of highly pathogenic avian influenza (HPAI) . HPAI viruses are spreading not only across continents but also across species, and key questions remain about when and why viruses jump species, is this mainly driven by genetic or ecological factors? This work would help to anticipate zoonotic emergence events.

The postdoc will be part of the [https://prezode-initiative.org/en/first-four-pepr-projects-have-been-selected/ | ZOOFLU] p roject (ANR-23-PEPZ-0005) with collaboration with the consortium, ETH Zï¿½rich and North Carolina State University. This is a computationally oriented, laptop-based position , relying on phylodynamics, evolutionary analyses, and case study datasets . We are therefore looking for someone with prior experience in phylodynamic analyses , who is able to work independently and contribute analytically. You will join our [https://epidesa.inrae.envt.fr/ | epidesa] team with a very good working atmosphere at [https://www.inrae.fr/en | INRAE] -ENVT within the Host-Pathogens Interactions [https://ihap.fr/ | IHAP] unit, located in Toulouse, France. If you are interested, feel free to apply or share within your network!

The deadline for applications is February 28th 2026

More information: [https://jobs.inrae.fr/en/ot-28001]

Best wishes,

Claire

Claire GUINAT

DVM, MSc, PhD

epidesa group , UMR INRAE-ENVT IHAP

claire.guinat@envt.fr | [http://www.inrae.fr/] [http://www.envt.fr/]

23 chemin des Capelles - BP 87614 - 31076 Toulouse Cedex 3 ?¿‘ France

+33()0561192345

claire.guinat@envt.fr

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UBern SexChromosomeTransitions

A fundamental puzzle in the evolution of sex determination is how and why species switch between XY and ZW sex chromosomes.Swordtails and platyfish (genusXiphophorus) offer the ideal system to study this problem. Among the 25 closely related species are some with XY, some with ZW, and some with polymorphic XY/ZW systems.We have already obtained phased sex chromosome sequencing data for the majority of these species, and have developed a strategy for testing competing hypotheses.We are searching for a motivated postdoc to develop a fellowship proposal that would provide them funding to carry out these analyses. The postdoc will be based in the Peichel lab (University of Bern, Switzerland) and work in close collaboration with the Kirkpatrick lab (University of Texas, USA). The ideal candidate will have skills in bioinformatics and statistics, and familiarity with genomic evolution and sex chromosomes. Two opportunities for funding are the ENBO Fellowships (deadline 23 January 2026) and Marie Curie Fellowships.Interested candidates should email Catherine Peichel (catherine.peichel@unibe.ch) and Mark Kirkpatrick (kirkp@mail.utexas.edu) with their C.V.s and names of two references.

Mark Kirkpatrick <kirkp@austin.utexas.edu>

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UJagiellonian Cracow VariabilityInQuiescentYeastCell

We invite applications for a postdoc position within the project “The influence of ecological factors on the quiescent state: from the characteristics of individual eukaryotic cells to population dynamics”, funded by the Polish National Science Centre (NCN) OPUS grant.

About the Project Background information: Quiescence (Q) is a fundamental survival state in eukaryotic cells, allowing organisms to persist under starvation conditions. The project aims to explore the cellular and molecu-

lar mechanisms underlying quiescent state variability and its impact on adaptation, antifungal resistance, and population dynamics. The project investigates how individual quiescent cells reorganize their internal structures and how these changes influence population-level survival, stress tolerance, and adaptation. Main questions are: What structural and metabolic changes occur in single quiescent cells over time, and how do they impact survival and regrowth? How do different quiescent phenotypes respond to antifungal treatments, and what are the mechanisms of resistance? How does population density affect quiescence-related survival strategies, and how the Allee Effect influence quiescent cell fitness? What evolutionary trade-offs exist between quiescence depth, regrowth potential, and stress resistance?

About the Position The Postdoctoral researcher will focus on developing and applying advanced microscopy, microfluidics, and single-cell analysis techniques to investigate quiescence mainly at the individual cell level.

The candidate will:

* Characterize cytoskeletal, mitochondrial, and metabolic changes in quiescent cells. * Conduct live-cell imaging experiments to monitor quiescent cell aging and reactivation dynamics. * Investigate antifungal resistance mechanisms in quiescent yeast populations. * Collaborate with international partners to integrate advanced imaging and microfluidic technologies into the research workflow. * Contribute to mathematical modelling efforts linking single-cell characteristics to population-level dynamics.

Host Institution & Location The PhD student will be based at the Institute of Environmental Sciences, Faculty of Biology of the Jagiellonian University in Kraków, Poland - one of the leading research institutes in Ecology and Evolution in Central Europe (www.eko.uj.edu.pl/-en_GB).

Kraków is a vibrant city with a rich cultural scene (European City of Culture 2000), hosting over 100 festivals and numerous cultural events annually. The city offers modern museums, theaters, cinemas, restaurants, and excellent access to outdoor activities such as hiking and biking. It is also well-connected to other European cities.

Founding & Salary The position is for 4 years (after successful 1 year probation) and the salary is 140k PLN/year before tax. To estimate living costs in Kraków, applicants can use tools such as Numbeo (www.numbeo.com).

Requirements

* Hold a doctoral degree in an appropriate field (exact and natural sciences) obtained no earlier than seven years before 1st January 2026 (extensions possible, e.g., due to parental leave); and not obtained at the Jagiellonian University * Documented track record of scientific publications in peer- reviewed journals. * Proven experience in fluorescence microscopy, image analysis, and/or preferably microfluidic single-cell analysis techniques. * Motivation to initiate and grow a microfluidics research laboratory. * Strong analytical skills, combined with the ability to work independently while effectively coordinating and communicating within a multidisciplinary team. * Fluency in written and spoken English, as well as communication and organisational skills. * Readiness to collaborate with international research groups and to undertake short research stays abroad. * Willingness to mentor Ph.D. and Master's students within the laboratory.

Deadline & Selection Process If interested, please send a cover letter explaining your background, skills, and interest in the project, CV, and contact information of two academics willing to provide references to dr hab. Dominika WÂ³och-Salamon, Prof. UJ (dominika.wloch-salamon@uj.edu.pl).

Review of applications is ongoing; apply by 22nd December, 2025 to ensure full consideration. The start date of the position is as soon as possible in 2026.

We look forward to receiving your application!

dr hab. Dominika WÂ³och-Salamon prof. UJ Instytut Nauk o Ârodowisku/ Institute of Environmental Sciences Uniwersytet Jagiellōński/ Jagiellonian University + 48 12 664-51-35 ul. Gronostajowa 7; 30-387 Kraków ORCID: 0000-0002-0040-1838

"Science and everyday life cannot and should not be separated." Rosalind Franklin

— / —

UMuenster ComparativeEvolGenomics

POSTDOCTORAL RESEARCH ASSOCIATES ("Wissenschaftlicher Mitarbeiter") We encourage potentially interested candidates to apply for a core project of the

Germany-wide GEvol consortium (https://g-evol.uni-muenster.de/) on comparative evolutionary genomics

[Job Advert].

The project aims at developing cutting edge methods for accurate functional annotation of novel [1, 2] and de novo expressed genes [3] and other rare genomic elements using machine learning techniques.

The project will be based on a combination of bioinformatics methods and further recently developed methods such as Tiberius [1], Galba [2] and BRAKER [3].

Testing and application of the newly to be developed methods shall be done in close collaboration with other members of the GEvol consortium. The project will be supervised in close collaboration between the groups Dr.

Katharina Hoff in Greifswald and Prof. Erich Bornberg-Bauer in Münster with primary location to be determined.

Interested candidates should have: * strong programming skills * a proven record of having worked on analysing large data sets * hold a PhD in natural sciences, computer science or closely related areas * good communication skills in English language

Advantageous skills: * experience analysing biological data sets * experience using machine learning methods * a proven record of original publications in international journals * international experience

Applications 2-page format as described [here] and be sent as .pdf to ebb.admin@wwu.de no later than January 6th, 2026.

Literature: [1] https://doi.org/10.1101/-2025.04.17.649312 [2] https://doi.org/10.1093/-bioinformatics/btaf539 [3] https://doi.org/10.1002/-jez.b.23297 .

[4] https://doi.org/10.1093/bioinformatics/btae685 [5] https://doi.org/10.1101/2023.04.10.536199 [6] https://-pubmed.ncbi.nlm.nih.gov/37398387/ More GEvol related positions can be found at https://g-evol.uni-muenster.de/open-positions/ . Anna Kersting <a.kersting@uni-muenster.de>

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UNeuchatel SpeciationGenomics

1-year 100% Postdoc position in speciation genomics

Unravel the genomic architecture of temporal isolation in Alpine butterflies

The project: Zones of secondary contact between formerly isolated lineages allow to study how reproductive isolation evolves and co-existence is maintained. The role of temporal isolation through allochrony has especially remained elusive. We identified a unique system of parallel contact zones between strongly divergent sibling species of butterflies, where they occur in alternating years for at least the last five decades. Our preliminary results show that one species lost the W sex chromosome and that interspecific gene flow is unidirectional.

This project aims to unravel the genomic architecture and evolutionary impact of temporal isolation in one of the most emblematic and diverse groups of Alpine butterflies - Erebia. For this project, you will analyse a population genomic dataset comprising >600 individuals to identify the genomic architecture of temporal isolation and allele frequency shifts through time. All data for two high impact publications is already available.

The prospective candidate will join the group of Prof. Dr. Kay Lucek that is funded through a Swiss National Science Foundation (SNSF) Eccellenza fellowship and be part of the Biodiversity Genomics laboratory at the University of Neuchi Âtel in Switzerland. Your profile: Enthusiastic, self-driven, responsible, and highly-motivated; excellent communication and interpersonal skills in verbal and written English; a strong work ethic. The ideal candidate brings a strong evolutionary background together with profound genomic and/or bioinformatic skills. Applicants must have a PhD degree in evolutionary biology, genomics, bioinformatics, or close related fields.

We offer you: A cutting-edge position fully funded by the SNSF, based at the Institute of Biology, University of Neuchi Âtel, Switzerland. The Institute offers a vibrant and interdisciplinary research environment, combining a broad spectrum of research activities in life sciences, including evolutionary genetics and conservation. Salary and social benefits are provided according to University of Neuchi Âtel rules. Neuchi Âtel is an enchanting historic Swiss city in the French speaking part, well connected by public transport and offering a

broad range of cultural and recreational activities.

Starting date: The anticipated starting date is latest by the 1st of March 2026, with some flexibility. Application: Motivated applicants should submit (1) a one-page letter describing yourself and your match to the above-mentioned project, (2) a CV describing your education, publications, and relevant work experience, (3) contact information of two references. The final application deadline being the 15th of January 2026. Please, send all the information in a single PDF to Kay Lucek (kay.lucek@unine.ch). Feel free to contact me for any questions concerning the project.

Lucek Kay <kay.lucek@unine.ch>

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UNorthCarolina Charlotte EvolQuantGenomics

Postdoctoral Position in Evolutionary & Quantitative Genomics Song Lab (UNC Charlotte)

The Song Lab at University of North Carolina at Charlotte is seeking a highly motivated Postdoctoral Researcher to work on evolutionary and quantitative genomics of wild legume species. Our group integrates genomics, phenotyping, and systems biology approaches to study adaptation, stress resilience, and the genetic architecture of key traits.

Qualifications:

PhD in evolutionary biology, genetics, genomics, plant biology, or a related field

Strong skills in genomic data analysis, quantitative genetics, or bioinformatics

Experience with R/Python and high-throughput sequencing datasets

Strong communication skills and a collaborative mindset

How to Apply:

Please send a single PDF containing (1) a brief cover letter describing your research interests and fit, (2) CV, and (3) contact information for 2-3 references to Dr. Bao-Hua Song at bsong5@charlotte.edu.

More details available here: https://jobs.charlotte.edu/-hr Bao-Hua Song <bsong5@charlotte.edu>

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Uppsala Sweden EvolutionaryBiol

SciLifeLab PULSE: Postdoc program for Future Leaders in Life Science Academia and Industry Visit https://-www.scilifelab.se/research/pulse/ for more details.

Join SciLifeLab PULSE (Program for future leaders in Life Science) to move your research career forward.

Why PULSE?

* Empowering Diversity in Science: PULSE is committed to fostering diversity and creating inclusive environments. * Flexible and Supportive: Tailored training and career development designed to balance professional growth with personal commitments. * State-ot-the-art Research: Engage in cutting-edge, high-density data-driven research that impacts academia, industry, and policy worldwide.

About the Programme

* Fellowship: each participant will benefit from a 36-month postdoctoral training. * Two tracks to align with your goals: Choose between the academic or the entrepreneurial path. * Global Collaboration: Opportunities for secondments at 29 renowned research institutions, infrastructures, and industry partners across Europe and beyond. * Host Universities: Collaborate with one of 11 leading Swedish universities.

Research Areas

Academic track

* Cell & Molecular Biology * Precision Medicine & Diagnostics * Epidemiology & Infection biology * Evolution & Biodiversity.

Entrepreneurial track

* Machine Learning/AI * Therapeutic Oligonucleotides * Display and Selection technologies * Proximity Inducing Agents

What You get

* Transferable Skills: E.g. Open science, FAIR, communication, entrepreneurship and leadership training, to develop expertise to address related challenges. * Technology and methodology skills: Research methodology and technology training, according to an individually designed career development plan. The program integrates international, interdisciplinary, and intersec-

toral elements to provide a well- rounded educational experience. * Networking Opportunities: Build lasting relationships through secondments at any of the PULSE partners; international industries, institutions, and research infrastructures. * Leadership Development: Become one of the 48 future leaders equipped to move forward towards their goals within molecular life sciences. * Competitive salary and benefits, including access to the Swedish social security system, to support work-life balance.

Our Commitment to Inclusivity

PULSE follows the European Charter for Researchers and the Code of Conduct for Recruitment of Researchers, ensuring an open, fair, and transparent selection process. We encourage applications from women and individuals of all backgrounds to enrich the future of Life Sciences.

Application Period: This second call for 27 postdoctoral positions is open between December 15, 2025, and March 16, 2026, and welcomes candidates of all nationalities under MSCA eligibility criteria.

Visit https://www.scilifelab.se/research/pulse/ for more details. Contact: pulse@scilifelab.se

SciLifeLab PULSE Management Team

Nï¿½r du har kontakt med oss pï¿½ Uppsala universitet med e-post sï¿½ innebï¿½r det att vi behandlar dina personuppgifter. Fï¿½r att lï¿½sa mer om hur vi gï¿½r det kan du lï¿½sa hï¿½r: http://www.uu.se/-om-uu/dataskydd-personuppgifter/ E-mailing Uppsala University means that we will process your personal data. For more information on how this is performed, please read here: http://www.uu.se/en/-about-uu/data-protection-policy Maria Bï¿½ckstrï¿½m <maria.backstrom@scilifelab.uu.se>

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UppsalaU EvolGenetics

The call in Birgitta Sintring foundation is now open for applications of post-doc scholarships at the Department of Ecology and Genetics in Uppsala University, Sweden. The call closes on 9 Feb 2026. Read more on our homepage.

https://www.uu.se/en/department/ecology-and-genetics/research/the-birgitta-sintring-foundation
Anssi Laurila Professor Animal Ecology/ Department of Ecology and Genetics Evolutionary Biology Center Uppsala University Norbyvï¿½gen 18D 75236 Uppsala Sweden

Tel. +46-18-4716493 Mobile: +46-70-2384356

Nï¿½r du har kontakt med oss pï¿½ Uppsala universitet med e-post sï¿½ innebï¿½r det att vi behandlar dina personuppgifter. Fï¿½r att lï¿½sa mer om hur vi gï¿½r det kan du lï¿½sa hï¿½r: http://www.uu.se/-om-uu/dataskydd-personuppgifter/ E-mailing Uppsala University means that we will process your personal

data. For more information on how this is performed, please read here: http://www.uu.se/-en/about-uu/data-protection-policy Anssi Laurila <anssi.laurila@ebc.uu.se>

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UppsalaU PlantEvolution

Hi everyone,

I am looking for candidates interested in applying for a competitive postdoctoral fellowship in my lab at the Department of Ecology and Genetics at Uppsala University.

I am interested in supporting applications from people interested in floral evolution, pollination, polyploidy, and other related topics. Uppsala is a fantastic place to do evolutionary biology, and our department is hosted at the Evolutionary Biology Centre at Uppsala University.

Uppsala is a nice and easy-going city (the fourth largest city in Sweden but that is only 170k people) and you are always close to nature. Besides an excellent academic environment, Uppsala University offers a fantastic work-life balance and an incredible international community. English is spoken widely and commonly both within and outside the University.

The Sintring fellowship to which we will apply is provided as a tax-free stipend for two-years and has some funds for research expenses. To find out more about the Sintring program see this:

https://www.uu.se/en/department/ecology-and-genetics/research/the-birgitta-sintring-foundation The deadline for applying to the fellowship is 9 February, but you should contact me way before that. I will help you develop a project that is of interest to both of us.

If you are interested in applying, please send me an email, CV, and a brief statement of why you would like to join my lab.

Cheers,

Mario

Mario Vallejo-Marin

Plant Ecology and Evolution

Department of Ecology and Genetics Evolutionary Biology Centre Uppsala University Norbyvï¿½gen 18 D 752 36 Uppsala

Page Title

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UPuertoRico ButterflyEvoDevo Omics Ai

JOB DESCRIPTION

Postdoctoral Position in Butterfly Evolutionary Developmental Biology, Omics, and AI

A unique opportunity to explore how genomes shape life's diversity. We are seeking a highly motivated Postdoctoral Fellow to join two recently hired Postdocs and a dynamic and international research team investigating the molecular mechanisms of development and evolution using butterflies as a model system. This multi-year project integratesomics, computational biology, imaging, and AI to uncover the genomic architecture and molecular logic underlying organismal development.

This ambitious NSF-funded project aims to illuminate the genome-to-phenome pathway and decode how cells acquire diverse fates to build tissues, organs, and traits through evolution. By combining genomics, transcriptomics, epigenomics, proteomics, metabolomics, and AI-driven data integration, we will chart the cellular and molecular processes that shape complex traits in two butterfly species. The project brings together researchers across seven institutions within the University of Puerto Rico system and a broad network of national and international collaborators, offering a highly interdisciplinary and collaborative environment.

The project offers a comprehensive professional development program, including workshops on omics data generation, computational analysis, AI, entrepreneurship, and science communication. These activities are designed to strengthen research and transferable skills for careers both inside and outside academia.

Responsibilities:

Design and conduct experiments

Analyze complex omics datasets Maintain big data repositories Develop computational pipelines Prepare manuscripts for publication in peer-reviewed journals Present research findings at conferences and seminars Mentor graduate and undergraduate students Interact and collaborate with the other postdocs Assist in grant writing and project management

Qualifications:

Ph.D. in Genetics, Developmental Biology, Genomics, Bioinformatics, Computational Science, or a related field. It is ok if the degree will be obtained within a few months of the position starting date. Strong background in computational science and/or molecular biology techniques Proficiency in bioinformatics and data analysis (e.g., R, Python, Unix/Linux) Experience with next-generation sequencing data analysis Excellent written and verbal communication skills Ability to work independently and as part of a collaborative team Publication record in peer-reviewed journals

Salary basic information:

We are offering a highly competitive Postdoctoral salary (from $50K to 65K with full benefits) that will match the candidate's qualifications.

Why Join Us

This position offers an exciting opportunity to pursue cutting-edge research in a supportive, multidisciplinary environment while enjoying the vibrant research community and natural beauty of Puerto Rico.

Learn more:NSF Award #2435987 Principal Investigator: Riccardo Papa - Google Scholar

To Apply:

Please submit the following documents:

Cover letter describing your research interests and experience Curriculum vitae Two representative publications

Contact information for three references

Review of applications will begin immediately and continue until the position is filled. Selection of candidates will close by February 27, 2026 for follow-up interviews. Exceptions can be made for cases of extremely motivated and qualified applicants that might apply later to this date. Starting date is April 1, 2026 but can be flexible depending on the applicant.

All documents must be submitted to the following electronic address before or by February 27, 2026.

Attention to : Dr. Riccardo Papa, Department of Biology

Subject : Application - The Blueprint of Life

e-mail : riccado.papa@upr.edu,rpapa.lab@gmail.com and florence.piel@upr.edu

Riccardo Papa <rpapa.lab@gmail.com>

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URennes France InbreedingDepression

Post-doc position: The genetic and epigenetic basis of inbreeding depression

Where: UMR 6553 ECOBIO CNRS/Universite de Rennes

Hosts: Steve Ramm & Sylvain Glemin

When: starting early 2026 (negotiable), for up to 2 years (according to experience)

Context: The post-doc is offered as part of a wider collaborative ANR project "FRIDA" (Fast-renewed inbreeding depression in animals) coordinated by Patrice David at CEFE Montpellier and in collaboration with colleagues at the CEFE, IHPE Perpignan and LEHNA Lyon.

Scientific background: The goal of the FRIDA project is to investigate new ideas regarding the speed at which inbreeding depression (ID) can arise and its potential persistence in the absence of genetic variation due to epigenetic inheritance. Two characteristics suggest that the epigenetic component may play a role as a source of fast-renewed inbreeding depression (FRID): (i) the ability to generate heritable variation rapidly and (ii) a tendency to revert to ancestral states over generations.

Project: The recruited post-doc will contribute to work package 2 of the FRIDA project, for which we are developing the free-living flatworm Macrostomum hystrix as one of the two animal model systems for the project in which to study the genetic and epigenetic basis of inbreeding depression, building on our earlier work documenting delayed selfing in this species. Ongoing projects in the lab are investigating the fitness consequences of self-fertilization, including generating a panel of inbred lines that will be used for the post-doc project. Your tasks will be to continue the breeding of these lines; to use them to perform experimental tests of the main project hypotheses; to prepare samples for downstream analyses; to perform data analyses and interpretation; and to disseminate the results through articles and oral presentations.

Candidate profile: The ideal candidate for this position will hold a doctoral degree (PhD) and have a background in ecology and evolution, with a strong interest in inbreeding depression and/or mating system evolution. Prior experience working with flatworms or other invertebrate model systems would be helpful but not required. Depending on the interests and aptitude of the selected candidate, there could be opportunities to work on additional aspects related to the project, including but not limited to transcriptomics and (epi)genomics analyses, experimental evolution and/or theoretical modeling. Experience in statistical analysis, writing scientific papers and scientific oral presentation is expected. The lab operates in English but a facility in French (or willingness to acquire it) is helpful for daily interactions.

Location: You will be based in the ECOBIO lab (UMR 6553 - Ecosystémes, Biodiversite, Evolution; CNRS/Universite de Rennes) where you will join the Evo-Adapt research theme working on diverse topics in evolutionary ecology, life history evolution and evolutionary genomics. We are based on the Beaulieu scientific campus in Rennes, a lively university city frequently rated among the most liveable in France, the capital of the Brittany region and home to a growing interactive network of evolutionary biologists spread across multiple laboratories.

To apply: Please send your application documents, comprising a CV and cover letter detailing your motivation and fit to the project, plus names and contact details of at least two referees, all as a single PDF, to steven.ramm@univ-rennes.fr, including FRIDA POST-DOC in the subject line. Applications will be reviewed starting January 15th but the position remains open until filled. Informal enquiries welcome!

For more info:

Bonel N, Grunau C, David P. Not just mutations:

Inbreeding depression persists without genetic variation. bioRxiv 2025.02.25.640231; doi: https://doi.org/-10.1101/2025.02.25.640231 Ramm SA, Vizoso DB, Schärer L. Occurrence, costs and heritability of delayed selfing in a free-living flatworm. J Evol Biol. 2012 Dec;25(12):2559-68. https://doi.org/10.1111/-jeb.12012 https://macrostomum.wordpress.com/the-genetic-and-epigenetic-basis-of-inbreeding-depression/ Steve Ramm, PhD, HDR Chaire de Recherche Rennes Metropole Chaire de Professeur Junior UMR 6553 ECOBIO - Ecosystémes, Biodiversite, Evolution Universite de Rennes, FRANCE steven.ramm@univ-rennes.fr https://ecobio.univ-rennes.fr/interlocuteurs/-steven-ramm Steven Ramm <steven.ramm@univ-rennes.fr>

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US NatlInstHealth ViralEvolution

Postdoctoral Fellow in Virus Evolution and Spillover

Division of Intramural Research, National Library of Medicine, National Institutes of Health

https://www.training.nih.gov/jobs/pdf-ves-063026/ Thank you very much.

Martha

Martha Nelson, PhD Staff Scientist Division of Intramural Research National Library of Medicine National Institutes of Health Building 38A, Room 6N609C 301-480-6924 Martha.Nelson@nih.gov

"Nelson, Martha (NIH/NLM) [E]" <nelsonma@mail.nih.gov>

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UVermont EvolutionHumanHealth

Planetary Health Postdoctoral Fellow This is a new solicitation for a position that was previously posted. A University hiring freeze delayed hiring at that time, and we have now received approval to restart the search.

The Lauterbur, Nunez, and Pespeni research groups in the Department of Biology at the University of Vermont (UVM), invite applications for the inaugural cohort of the prestigious Planetary Health Postdoctoral Fellowship. This full-time (1.0 FTE), 12-month postdoctoral position offers a unique opportunity to join a growing cohort of fellows as part of UVM's Planetary Health Initiative - to explore the interdependence of human well-being and the health of the environment. This is a one-year position with the possibility of a second year, contingent on successful performance. The program emphasizes collaborative and interdisciplinary research, leveraging the strengths of the Lauterbur, Nunez, and Pespeni labs. The start date is flexible, ideally between May and September 2026.

The Planetary Health Postdoctoral Fellow will conduct innovative research focused on modeling evolutionary and ecological infectious disease dynamics within the broader context of Planetary Health. Specific areas of interest include, but are not limited to: (i) The intersection of ecosystem dynamics, host and/or pathogen evolution, and predictive modeling, (ii) Integrating questions across biological scales, such as eco-epidemiology and host-pathogen coevolution, which may make use of existing datasets and resources from UVM research groups. Existing data sets include reference and population resequencing of bat genomes and sea star genomes, transcriptomes, and microbiomes. Research projects may align with the programs of one or more of the mentors (Lauterbur, Nunez, and Pespeni) or focus on a system proposed by the Fellow. In addition to research, the fellow will be given the option to develop and teach one seminar-style course on a topic and at a level of their choosing with the support of a mentor, allowing for flexibility to align teaching with their expertise and interests.

The successful applicant will benefit from collaboration with peers and engagement in a vibrant academic community. The Vermont Advanced Computing Center (VACC) at UVM supports large-scale computation and high-throughput AI and machine learning workflows. The Department of Biology at UVM is home to nationally recognized and award-winning faculty, offering a supportive environment for interdisciplinary research and professional growth. The Department of Biology in the College of Arts and Sciences is anticipating a tenure-track hire in the field of Planetary Health in two years. Applicants who contribute to UVM's "Our Common Ground" principles (https://www.uvm.edu/-president/our-common-ground) are strongly encouraged to apply.

Minimum Qualifications: The successful candidate should:

- Hold a Ph.D. degree in biology, ecology, evolutionary biology, computer science, physics, or another relevant field; - Candidates up to 5 years post Ph.D. will be considered;

Preferred Qualifications: - Some postdoc experience in a relevant field is preferred.

Responsibilities: The successful candidate will assume a range of responsibilities that include:

* Maintaining an active research portfolio focused on infectious disease modeling and planetary health, utilizing existing datasets from Dr. Lauterbur, Dr. Nunez, and/or Dr. Pespeni, or developing their own research initiatives.

* Publishing research findings in peer-reviewed journals, contributing to the advancement of knowledge in the field.

* Presenting research findings at conferences, meetings of scholarly societies, and professional associations relevant to their research goals.

Training opportunities: The successful candidate will receive training on:

* Making progress towards securing external funding to support ongoing and future research endeavors.

* Developing and teaching one course at a level and on a topic of their choosing, if desired.

* Strategies for achieving success in teaching endeavors while maintaining a highly active research portfolio.

* Building and maintaining interdisciplinary collaborations.

Compensation: This is a fully benefited position with a minimum salary of $61,000 during the fellowship period, determined based on experience. In addition, fellows will receive minimum $5,000 annually for travel expenses and professional development activities.

Application requirements:

1. A cover letter that summarizes your research experience and goals, including addressing UVM's Our Common Ground values (https://www.uvm.edu/president/-our-common-ground), 2. Your CV, 3. A statement of research describing how your research experience and skills will contribute to Planetary Health research

— / —

This message has been arbitrarily truncated at 5000 characters. To read the entire message look it up at http://life.biology.-mcmaster.ca/~brian/evoldir.html

UVirginia DiseaseEvolutionEcology

The Gibson lab is hiring a postdoc on the evolution of dispersal as a parasite avoidance mechanism.

Apply here: https://uva.wd1.myworkdayjobs.com/-UVAJobs/job/Charlottesville-VA/Research-Associate-in-Biology_R0078709 Application review will begin mid-January.

The ad: The Department of Biology at the University of Virginia invites applicants for a post-doctoral Research Associate position in the lab of Professor Amanda Gibson as part of an NSF-funded project. The Gibson lab is broadly interested in the evolution of avoidance versus resistance as modes of parasite defense. This project specifically tests the idea that host dispersal evolves as an escape in space from parasites, and it evaluates the downstream consequences of dispersal for the evolution of host resistance.

The work makes use of the experimental tools and resources available for the model nematode C. elegans and its natural parasites. Associated projects entail evolve-and-resequencing, quantitative trait mapping, and field sampling with spatial analyses. The selected candidate will also mentor undergraduate students in independent research projects through a summer program for incoming transfer students. Find out more about the lab at https://coevolving.org . REQUIRED QUALIFICATIONS: §A PhD in Biology or a related field by the start date.

PREFERRED QUALIFICATIONS: §Demonstrated conceptual and technical strengths in host-parasite interactions, evolutionary ecology, evolutionary genetics, and/or dispersal biology §Experience in basic lab and molecular work §A strong background in experimental design, data analysis, and data management §Excellent written and oral communication, demonstrated by a strong publication record, consistent with the candidate's career stage, and presentations at conferences §Demonstrated ambition, creativity, independence, and ability to work well with others §Experience in and dedication to mentoring junior trainees

APPLICATION PROCEDURE: Apply online https://uva.wd1.myworkdayjobs.com/UVAJobs/-job/Charlottesville-VA/Research-Associate-in-Biology_R0078709 and search for R0078709. Attach a cover letter outlining your qualifications and motivation

for pursuing the position, curriculum vitae, and contact information for three individuals who can provide professional reference letters. In the cover letter, please address your fit with the qualifications above and your experience in mentoring undergraduates.

Please note that multiple documents can be uploaded in the box.

APPLICATION DEADLINE: Review of applications will begin on January 15, 2026. The University will perform background checks on all new hires prior to employment.

Anticipated start date for this position is May, 2026, but the start date is flexible.

This is a one-year appointment; however, appointment may be renewed for additional two, one-year increments, contingent upon available funding and satisfactory performance.

For questions about the position, please contact Amanda Gibson, Associate Professor, at akg5nq@virginia.edu.

For questions about the application process, please contact Richard Haverstrom, Academic Recruiter, at rkh6j@virginia.edu.

For information on the benefits available to postdoctoral associates at UVA, visit postdoc.virginia.edu and hr.virginia.edu/benefits.

The University of Virginia is an equal opportunity employer. All interested persons are encouraged to apply, including veterans and individuals with disabilities. Click here to read more about UVA's commitment to non-discrimination and equal opportunity employment.

Amanda Kyle Gibson, Ph.D. Associate Professor (she/her)

Physical Life Sciences Building, RM 408 Department of Biology University of Virginia Charlottesville, VA

Email: akg5nq@virginia.edu Website: https://-coevolving.org/ "Gibson, Amanda K (akg5nq)" <akg5nq@virginia.edu>

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WorkshopsCourses

AustNatlU dartRverse Mar8-14

Dear Conservation Genomic Padawans and Masters alike,

We are pleased to announce our 2026 workshop "dartRverse: Harnessing the Force of R for Conservation Genomics", running 8-14 March 2026 at the ANU Kioloa Coastal Campus, with online participation available.

This hands-on workshop will take participants through our six Star Wars-themed Episodes, covering population genomic diversity, structure, drift, gene flow, adaptation, and practical scientific skills for emerging leaders.

Full details, speaker list, and registration can be found here: https://cba.anu.edu.au/news-events/-events/dartrverse We would be delighted to welcome participants from across the conservation, ecology, and genomics communities.

May the (R) Force be with you.

The dartRverse Team

Luis Mijangos University of Canberra / DArT Pty Ltd luis.mijangos@gmail.com

Jose Luis Mijangos <luis.mijangos@gmail.com>

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Berlin FloralMorphology Jul20-31

We are offering a fourth edition of our highly successful two-week workshop from July 20th until July 31st at the Institute of Biology at the Freie Universität Berlin and the Berlin Botanical Garden, which offer extensive facilities and functional microscopy laboratories and a huge plant collection of more than 20,000 species.

INTENDED AUDIENCE: Final year undergraduate students, PhD students, post-doctoral and advanced researchers or professionals (but no formal restriction). A basic knowledge of botany is preferred but not essential. See application and registration below.

COURSE INSTRUCTORS AND CONTACT:

Dr. Louis Ronse De Craene, Research Associate Royal Botanic Garden Edinburgh (l.ronsedecraene@gmail.com)

Prof. Julien Bachelier, Freie Universität Berlin (julien.bachelier@fu-berlin.de)

PROGRAMME:

Course Description and outline:

This short course will introduce you to the flowers structure and development, with a focus on their diversity and evolution, and their significance for flowering plant systematics. Major and smaller but not less significant families will be presented within the framework of the main lineages of flowering plants to understand their evolution and diversification. Additionally, students will learn to analyse, describe, and study the structure of inflorescences, flowers, and fruits, and based on their observations, to identify the main evolutionary patterns underlying their tremendous structural diversity, as well as their potential pollination and dispersal mechanisms. Each day starts with a discussion of a paper relating to material covered the previous day and is followed by a lecture, and after lunch break, ends with an interactive visit and sampling of the living collections before the practical study and summary.

Course objectives and learning outcomes:

Through this course students will acquire the following skills:

a guide to identifying plants using morphological characters in the context of the molecular classification system. a better understanding of the origin and evolution of floral structures, including their importance for classification, and of the main developmental patterns and evolutionary trends which underlie the tremendous diversity of reproductive structures. an ability to observe and recognise key characters through the study of live floral material and the elaboration of floral diagrams and formulas.

Contents:

Introduction to morphology of vegetative structures and flowers, inflorescence and flower structure (floral diagrams and formulas). Overview of major groups of flowering plants; major characteristics of Flowers and special attributes (phyllotaxis, aestivation, merism, symmetry, floral tubes and hypanthia). Floral evolution of the major clades of angiosperms with special emphasis on morphological adaptations and diversification.

APPLICATION AND REGISTRATION:

The course is limited to 15 participants.

Registration fee include coffee breaks, daily lunches with snacks, but does not include travel and accommodation.

euro 700 for Undergraduate and Master students

euro 800 for Graduate Students.

euro 950 for Postdocs and others.

There is a euro 100 reduction for early-bird until May 15th, 2026

TO APPLY, PAY AND SECURE A PLACE:

visit: https://www.conftool.net/berlin-summer-course-2026/ The Royal Botanic Garden Edinburgh is a charity registered in Scotland (No SC007983) |

Support Us This notice applies to this email and to any other email subsequently sent by anyone at RBGE and appearing in the same chain of email correspondence. References below to "this email" should be read accordingly. This e-mail and its attachments (if any) are confidential, may be protected by copyright and may be privileged. If you receive this e-mail in error, notify us immediately by reply e-mail, delete it and do not use, disclose or copy it. Unless we expressly say otherwise in this e-mail, this e-mail does not create, form part of, or vary, any contractual or unilateral obligation. No liability is accepted for viruses and it is your responsibility to scan attachments (if any). Where this e-mail is unrelated to the business of RBGE, the opinions expressed within this e-mail are the opinions of the sender and do not necessarily constitute those of RBGE. RBGE emails are filtered and monitored.

Louis Ronse De Craene <LRonseDeCraene@rbge.org.uk>

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Gabon Africa FieldBiodiversity Jun-Jul

The Field School in Tropical Ecology (ECOTROP) is pleased to announce a National Science Foundation supported four-week summer field course in tropical ecology and conservation. This field course will be held in Gabon, Central Africa, and will focus on examining the effects of past human settlements on forest ecology and biodiversity. This field research opportunity is open to U.S. students at both the undergraduate and graduate level and will provide hands on mentorship in a variety of disciplines: archaeology, environmental anthropology, geosciences, botany and wildlife biology. On-line preparatory courses and language training will be held two months prior to the start of field work in Gabon. Overseas field work will be from mid-June to mid-July 2026. Please see the website: www.ecotropgabon.org Application deadline: February 1st, 2026. Applications can be submitted at the following website: https://-www.uno.edu/studyabroad/gabon Requirements:

* Must be a citizen, national, or permanent resident of the United States * Must currently be registered as an undergraduate or graduate student, with a minimum GPA of 2.5 * One semester of sophomore level ecology, evolutionary biology or relevant discipline (e.g. geosciences, anthropology or environmental science) * Preferably one semester of college-level French * Hold or are willing to apply for a valid passport * Enjoy working in a multi-cultural setting and learning new skills * Able to camp and work under physically strenuous conditions

Prior to departure, student participants will be given eight weeks of preparatory online classes in (a) the French language and (b) the fundamental concepts of conservation sciences relevant to this project. Students will then spend one month in Gabon and will work collaboratively with their Gabonese student counterparts and international mentors in the development of team research projects in one or more disciplines. Beyond the classroom, this will foster cultural exchange while allowing students to experience the breathtaking beauty and diverse wildlife of Gabon's rainforests.

Classroom and field instruction will be given by scientists from collaborating institutions including: the University of New Orleans, The University of Michigan, the Université des Sciences et Techniques de Masuku, the University of Omar Bongo, the Gabonese National Park Service, the University of Lausanne, as well as the French Research Institute for Development and the Agricultural Research Center for Sustainable Development. On returning to the U.S., a series of professional development workshops will be organized to provide guidance in future career development and networking opportunities.

This overseas research training opportunity is currently funded through the National Science Foundation's International Research Experiences for Students (OISE 2420103) and is coordinated in the US by PI Nicola Anthony (University of New Orleans) and co-PI Johannes Foufopoulos (University of Michigan). Costs for all travel and in-country expenses will be provided by the program as well as an eight-week student stipend for summer 2026.

Sincerely,

Nicola Anthony Professor and Freeport-McMoRan Chair in Wildlife Sustainability Department of Biological Sci-

ences University of New Orleans New Orleans LA 70148 Email: (nanthony@uno.edu)

Johannes Foufopoulos Associate Professor School for Environment & Sustainability Dana Building University of Michigan Ann Arbor MI 48109 Email: jfoufop@umich.edu

Nicola Mary Anthony <nanthony@uno.edu>

Gabon TropicalFieldBiodiversity Jun-Jul

The Field School in Tropical Ecology (ECOTROP) is pleased to announce a National Science Foundation supported four-week summer field course in tropical ecology and conservation. This field course will be held in Gabon, Central Africa, and will focus on examining the effects of past human settlements on forest ecology and biodiversity. This field research opportunity is open to U.S. students at both the undergraduate and graduate level and will provide hands on mentorship in a variety of disciplines: archaeology, environmental anthropology, geosciences, botany and wildlife biology. On-line preparatory courses and language training will be held two months prior to the start of field work in Gabon. Overseas field work will be from mid-June to mid-July 2026. Please see the website: www.ecotropgabon.org Application deadline: February 1st, 2026. Applications can be submitted at the following website: https://-www.uno.edu/studyabroad/gabon Requirements:

* Must be a citizen, national, or permanent resident of the United States * Must currently be registered as an undergraduate or graduate student, with a minimum GPA of 2.5 * One semester of sophomore level ecology, evolutionary biology or relevant discipline (e.g. geosciences, anthropology or environmental science) * Preferably one semester of college-level French * Hold or are willing to apply for a valid passport * Enjoy working in a multi-cultural setting and learning new skills * Able to camp and work under physically strenuous conditions

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Sincerely,

Nicola Anthony Professor and Freeport-McMoRan Chair in Wildlife Sustainability Department of Biological Sciences University of New Orleans New Orleans LA 70148 Email: (nanthony@uno.edu)

Johannes Foufopoulos Associate Professor School for Environment & Sustainability Dana Building University of Michigan Ann Arbor MI 48109 Email: jfoufop@umich.edu

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Guarda Switzerland EvolutionaryBiology Jun13-20

Dear Friends, Colleagues, former Guarda Summer School participants

It is my pleasure to announce the 2026 Guarda Summer School in Evolutionary Biology for master and PhD students. The main aim of the course is to develop the skills to produce an independent research project in evolutionary biology.

The summer school will take place 13. - 20. June 2026 (Saturday to Saturday) in the Swiss mountain village Guarda. Faculty includes Judith Bronstein (University of Arizona, USA), Paul Turner (Yale University, USA), Roland Regoes (ETH Zurich, Switzerland), Sebastian Bohnhoeffer (ETH Zurich, Switzerland) and Dieter Ebert (University of Basel; course organizer). The course is intended for master students and early PhD students with a keen interest in evolutionary biology.

Web page with all details: https://tb.ethz.ch/-education/guarda.html Application is open now. Deadline is the 20. January 2026.

Please communicate this information to interested students.

If you receive this email multiple times, please excuse me.

With best wishes,

dieter

Dieter Ebert University of Basel, Department of Environmental Sciences, Zoology Vesalgasse 1, CH-4051 Basel, Switzerland http://evolution.unibas.ch/ Email: dieter.ebert@unibas.ch Tel. +41-(0)61-207 03 60

Dieter Ebert <dieter.ebert@unibas.ch>

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Online AnimalMovement Feb16-18

Dear all,

registrations are open for these 2 upcoming Physalia online courses:

1) Introduction to Analyzing Animal Movement with R 16-18 February 2026 Learn to import, clean, and analyze movement data, calculate key metrics, and explore home-range analyses perfect for beginners with basic R skills: (https://www.physalia-courses.org/courses-workshops/mve-r/)

2) Analyzing Habitat Selection of Animals from Telemetry Data 20-23 April 2026 Take your skills further with advanced habitat selection modeling, Step Selection Functions, and Hidden Markov Models. Prior movement analysis experience recommended: (https://www.physalia-courses.org/courses-workshops/-telemetry/)

Best regards and Happy New Year, Carlo

Carlo Pecoraro, Ph.D

Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/-in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

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Online AssemblyAnnotationOfGenomes Mar9-13

Dear all,

registrations are open for the upcoming Physalia online course "Assembly and Annotation of Genomes", taking place 9-13 March 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/course20/)

This course will give you a solid, practical foundation in de novo genome assembly and annotation, from raw reads all the way to curated, high-quality reference genomes. Across five days of lectures and hands-on exercises, you'll explore:

The full landscape of modern sequencing technologies

Best practices for QC, error correction, and structural validation

Assembly visualization, manual curation, and T2T concepts

Annotation strategies using RNA-seq and IsoSeq data

Real-world workflows based on the Vertebrate Genomes Project pipeline Designed for both beginners and experienced users, the course blends theory, practice, and interactive problem-solving. No prior experience with sequencing is required, and only minimal command-line familiarity is helpful. We will also have a few invited speakers who will enrich the course with their experience in different aspects of the genome assembly and annotation workflow, and they will be announced shortly on the website.

If you're looking to deepen your understanding of genome assembly, strengthen your research workflows, or prepare for your next big genomics project, you won't want to miss this training.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course20/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

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Online ComparativeGenomics Feb23-27

Dear all,

Registration is now open for the Physalia online course Comparative Genomics (6th edition), taking place 23-27 February 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/course34/)

Across five days, participants will learn key concepts and gain hands-on experience with state-of-the-art tools for:

de novo genome assembly and annotation

identification of SNPs and SVs

evaluation of sequencing technologies (Illumina, PacBio, ONT)

comparative analyses across multiple genomes

functional interpretation of genomic variation in an evolutionary context Each day includes a lecture and group discussion of core principles, followed by guided practical exercises. Participants will work through mirroring tasks with the instructors and complete individual analyses on provided datasets, with opportunities to bring and discuss their own data.

Program Overview:

Mon: Introduction; file formats; assembly concepts; QC and initial assembly

Tue: Full de novo assembly (short + long reads); assembly metrics

Wed: Genome annotation; repeats; gene prediction; synteny; Maker2 and IGV

Thu: Structural variant biology; mapping strategies; SV calling and comparison

Fri: Functional impact of variants; GO, KEGG, orthology; summary discussion For 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 mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online ConservationGenomics Apr7-10

Dear all,

We are pleased to announce the upcoming Physalia online course Conservation Genomics, taking place from 7 to 10 April 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/course62/)

This course offers a comprehensive introduction to the use of population genomics tools for conservation research. Throughout four half-day sessions, participants will learn to design genomic studies, handle raw genomic data, perform SNP filtering, and conduct key analyses such as population structure, local adaptation, effective population size estimation, inbreeding, and relatedness. The course combines theoretical background with hands-on exercises using Linux-based bioinformatics tools and R for data analysis and visualization.

If you are interested in applying genomic approaches to conservation challenges, this course will equip you with practical skills and a solid conceptual framework to advance your research.

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

Best regards and Happy holidays everyone,

Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online GeometricMorphometrics

Dear colleagues,

Transmitting Science is offering a new edition of the course "Geometric Morphometrics for Beginners".

Geometric morphometrics is useful tool in the study of evolution because it allows researchers to precisely quantify and compare shape variation among organisms.

Course webpage: https://-www.transmittingscience.com/courses/geometric-morphometrics/geometric-morphometrics-for-beginners/ The aim of this course is to introduce participants to geometric morphometric methods for quantifying biological shape variation. The course will cover landmark and semi-landmark data acquisition, Procrustes alignment, PCA of shapes, and interpretation of morphometric results.

By the end of the course, students will be able to:

* Understand the foundations of geometric morphometrics. * Interpret morphometric variation in biological datasets.

Instruction will combine lectures, guided examples, and practical exercises.

For any questions, please write to courses@transmittingscience.com

Best wishes

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com/courses Bluesky @soledeesteban.bsky.social X @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as

exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction.

Disclaimer of liability. - The sending of this communication does not imply any obligation on the part of the sender to control the absence of viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online GeometricMorphometrics Feb3-5

Dear colleagues,

We are excited to announce our upcoming online course, Foundations of Geometric Morphometrics (9th edition), taking place from 3 to 5 February 2026 (1-7 PM Berlin time). The course is taught by Dr. Carmelo Fruciano (University of Catania, Italy), a leading expert in the field.

Course website: (https://www.physalia-courses.org/-courses-workshops/course22/)

This beginner-friendly course introduces essential concepts and practical skills for acquiring and analysing 2D and 3D geometric morphometric data, a powerful approach widely used in evolutionary biology, anthropology, and archaeology to quantify and visualize biological shape variation with statistical rigour and intuitive interpretation.

Through a mix of lectures and hands-on sessions, participants will learn about data acquisition techniques, quality control, and core analyses like Generalized Procrustes Analysis and Principal Component Analysis, using user-friendly software alongside R tools. The course is ideal for researchers new to geometric morphometrics or those seeking a solid foundation before advancing to more complex methods covered in the companion course on Multidimensional Phenotypic Evolution (online, 2-6 March): (https://www.physalia-courses.org/courses-workshops/mpe/)

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 mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

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Online IntroAnalysisMorphologicalDisparity Jan6-15

Dear colleagues,

Transmitting Science is offering a new edition of the course "Disparity: Introduction to the analysis of morphological disparity"

Course webpage: https://-www.transmittingscience.com/courses/evolution/-introduction-to-the-analysis-of-morphological-disparity/ Dates and schedule: online live sessions on January 6th, 8th, 13th, and 15th, 2026

The aim of this course is to introduce participants to the analysis of morphological disparity in evolutionary biology and palaeontology. The course will cover theoretical background in disparity metrics, data acquisition, morphometric analysis, and interpretation of results.

By the end of the course, students will be able to:

* Understand the conceptual basis of morphological disparity. * Apply disparity metrics to empirical data.

* Interpret results in an evolutionary/palaeontological context.

Instruction will combine lectures, guided examples, and practical exercises.

For any questions, please write to courses@transmittingscience.com

Best wishes

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com/courses Bluesky @soledeesteban.bsky.social X @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction. Disclaimer of liability. - The sending of this communication does not imply any obligation on the part of the sender to control the absence of viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online IntroAnalysisSpatialProteomicsData Feb9-13

Introduction to Processing and Analysis of Spatial Multiplexed Proteomics Data (SPMP01) https://-www.prstats.org/course/introduction-to-processing-and-analysis-of-spatial-multiplexed-proteomics-data-spmp01/ Dates:9-13 February 2026 Format:Live online, 5 days Ã 5.5 hours per day Fee:450 (standard) Time zone:UK (GMT); all sessions are recorded and made available for 30 days

Why This Course Matters Spatial multiplexed proteomics techniques such as CODEX, CycIF, and MxIF/MACSIMA are revolutionising how we understand tissue microenvironments, cellular interactions, and spatial heterogeneity in biological systems. However, converting raw multiplexed imaging data into actionable biological insight requires expertise in image processing, spatial statistics, phenotyping, and bioinformatics pipelines. SPMP01bridges that gap. Over five intensive days, you will learn both the theoretical foundations and the hands-on computational skills needed to process, analyse, and interpret spatial multiplexed proteomics data. Whether your work lies in basic biology, cancer immunology, neuroscience, or spatial systems biology, this course equips you to handle complex image-based proteomics datasets.

What You'll Learn Participants will move from foundational concepts to applied workflows across these core topics:

Overview and comparison of spatial multiplexed imaging platforms (CODEX, CycIF, MxIF / MACSIMA)

Image processing workflows: tile stitching, illumination correction, alignment, and region-of-interest generation

Handling multi-resolution image formats (e.g., .tif, .ome.tif, .ome.zarr), and visualization strategies

Single-cell segmentation: algorithms (e.g. Cellpose, Stardist, Mesmer), mask QC, and error diagnostics

Feature extraction and cell phenotyping (marker intensity gating, clustering, annotation)

Spatial neighbourhood and cell-cell interaction analysis: quantifying local and global neighbourhood statistics

Batch processing and scalable workflows (using Nextflow pipelines such as MCMICRO)

Best practices for reproducibility, data storage, workflow modularity, and integration with R/Python pipelines

Through guided coding sessions and worked examples, you will apply these methods to real multiplexed imaging datasets and gain experience interpreting spatial proteomics results.

Format & Support

Each day blends lectures, demonstrations, and hands-on practical work

Participants are encouraged to bring their own data for discussion (time permitting)

All course materials, scripts, and datasets are shared with attendees

Livestream sessions are recorded and made available the same day

Post-course email support is offered for 30 days to assist with implementation and troubleshooting

Who Should Attend This course is aimed at researchers, computational biologists, bioinformaticians, and technical scientists who work with or plan to work with spatial omics and proteomics imaging data. Prior experience with R or Python is advantageous. Basic knowledge of statistics and familiarity with image data (microscopy) will help, but are not strict prerequisites. A comfortable level of computing literacy (e.g. command line use) is expected.

Instructors Dr Victor Perez Meza an expert in fluorescence microscopy, image artefact correction, and multiplexed imaging workflows MSc Miguel Angel Ibarra Arellano specialist in reproducible bioimage analysis, neighbourhood spatial statistics, and spatial omics tools Their combined experience ensures a mix of methodological insight and practical, cutting-edge implementation.

Who Will Benefit (Use Cases) Participants in SPMP01 will be better equipped to:

Process and clean raw multiplexed imaging datasets

Segment individual cells reliably and assess segmentation quality

Assign cell phenotypes and derive per-cell morphological or marker statistics

Quantify spatial relationships and neighbourhood structure in tissue

Develop reproducible pipelines for spatial proteomics workflows

Integrate processed spatial data into downstream statistical or machine learning analyses

In fields such as cancer microenvironment analysis, immunology, neuroscience, and developmental biology, these capabilities are invaluable for linking cellular spatial patterns to functional and phenotypic insights.

Registration & Details Spaces are limited to ensure a high-quality interactive experience. The early bird rate (400) is available to the first five registrants. Standard registration is 450. Visit the course page for full schedule, registration, and further details: SPMP01 - Introduction to Processing and Analysis of Spatial Multiplexed Proteomics Data

Oliver Hooker PhD.

PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Online ManipulationNGSdata May

Dear colleagues,

Transmitting Science is offering a new edition of the course “Manipulation of NGS data for genomic and population genetics analyses” in May 2026.

Course webpage: https://-www.transmittingscience.com/courses/genetics-and-genomics/manipulation-ngs-data-genomic-population-genetics-analyses/ The aim of this course is to introduce participants to the manipulation and analysis of NGS data for genomic and population genetics studies.

By the end of the course, students will be able to:

* Understand NGS data formats and workflows. * Process and analyse genomic datasets. * Apply NGS data to population genetics analyses.

Instruction will combine lectures, hands-on computational exercises, and guided examples.

For any questions, please write to courses@transmittingscience.com

Best regards,

Haris

Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com Links: http://-

www.transmittingscience.com Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online Microbiome SciComm Jan20-Feb26

"Telling Stories Through Data" Workshop January 20 - February 26, 2026

Six-week virtual workshop (no cost for all selected participants) 1.5hrs on Tues/Thurs, from 3pm - 4:30pm US Eastern Time

Workshop Website: https://bit.ly/TSTD2026 Apply to participate (form closes on Saturday January 10, 2026): https://forms.gle/dvvWxhi7YU2ATZx58 The TSTD workshop series is designed to foster practical skills in both bioinformatics and science communication, training participants in how to "tell stories through data." This six-week virtual workshop will be centered around two overarching questions: How do you find the story? and What do you do with the story? Data Visualization sessions (led by Holly Bik) will focus on how these questions are applied to -Omics data analyses, guiding participants in how to visualize data, convey statistical analyses and uncertainty, and build narratives for scientific manuscripts. Science Communication sessions (led by Virginia Schutte) will provide complementary training on storytelling for public audiences, teaching participants how to identify compelling public narratives and prepare science outreach products.

This workshop is targeted towards graduate students and postdoctoral researchers, although we will consider applications from other early-career scientists who would especially benefit from participating. All participants are expected to have some basic familiarity with command line tools and scientific programming (e.g. Unix, R, and/or Python) in order to fully benefit from the workshop trainings. This is NOT an introductory programming course; we will focusing on running -Omics workflows and downstream data visualizations of target datasets. The 2026 TSTD workshop will be focused on host-associated microbiome datasets (e.g. Holobiont metagenomes, MAGs, bacterial isolates, and/or host-associated metabarcoding profiles).

Application to participate in the "Telling Stories Through Data" 2026 virtual (Zoom) workshop, to be held January 20 - February 26, 2026. Virtual workshop sessions will be held over 6 weeks on Tuesdays and Thursdays from 3pm - 4:30pm US Eastern Time. A full workshop description and provisional schedule is available at the main workshop website: https://github.com/-BikLab/Stories-Thru-Data-Workshops-Virtual This application from will close on Saturday January 10th, 2026 at 11:59PM US Eastern Time. All applicants will be notified of the outcome of their application the week of January 17th. Due to space and funding constraints, this year's workshop will be capped at 20 participants. This virtual workshop is FREE for all selected participants, and funded through an NSF CAREER award to Holly Bik at UGA (DEB-2144304).

Holly Bik

Associate Director, Institute of Bioinformatics (IoB)

Associate Professor, Department of Marine Sciences & IoB

University of Georgia

102B Marine Sciences Bldg

325 Sanford Drive

Athens, GA 30602

Email: hbik@uga.edu

Office: (+1) 706-542-2844

Lab: (+1) 706-542-2037

Lab: https://www.biklab.org/ BlueSky: https://-/bsky.app/profile/hollybik.bsky.social Holly M Bik <hbik@uga.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online MorphologicalPhylogenetics Mar2-20

Dear colleagues,

Transmitting Science is offering the online course: "Morphological Phylogenetics: Principles, Applications, and Techniques".

Course webpage: https://-www.transmittingscience.com/courses/evolution/-morphological-phylogenetics-principles-applications-techniques/ This course will focus on the analysis of morphological data (and combining morphological data

with molecular data) using multiple optimality criteria for phylogenetic inference. We will discuss the best available approaches to construct morphological data sets and their impact on phylogenies. We will follow with theory and hands-on practice of phylogenetic programs using Maximum Parsimony, Maximum Likelihood, and Bayesian inference.

Participants will learn how to combine morphological and molecular data for total evidence analyses, how to conduct time-calibrations using tip and node dating, different birth-death models, morphological clocks and combined evidence relaxed clock analyses.

Format: Live online sessions (sessions will be recorded) Dates: March 2nd, 4th, 6th, 9th, 11th, 13th, 16th, 18th, and 20th, 2026. Times: 16:00 to 19:30 (Madrid time zone).

Best regards,

Haris

Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com [1]

Links:

[1] http://www.transmittingscience.com Haris Saslis - Transmitting Science <haris.saslis@transmittingscience.com>

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Online PopulationGenomics Mar16-20

Dear colleagues,

We are pleased to announce the upcoming Physalia online course: INTRODUCTION TO POPULATION GENOMICS

Dates: 16-20 March 2026

For further information and registration details, please visit: (https://www.physalia-courses.org/-courses-workshops/population-genomics/)

This five-day course offers a comprehensive introduction to key concepts and analytical methods in population genomics. The program combines lectures with hands-on practical sessions each day, enabling participants to apply techniques directly to real datasets.

Topics covered include:

- Management of short-read sequencing data: QC, trimming, mapping, SNP calling - Population structure and introgression - Demographic inference and model comparison - Genome scans for association and selection (GWAS, GEA, selective sweeps) - Landscape genomics and spatial analyses

The course is intended for graduate students, postdoctoral researchers, and scientists with a basic background in genetics/genomics and some familiarity with UNIX command line tools and R.

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

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

“info@physalia-courses.org” <info@physalia-courses.org>

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Online RAD-seq Dec16-18

The Computational Biology Core at the University of Connecticut is hosting a virtual bioinformatics workshop this winter! We still have space available in our RAD-seq Workshop (virtual with live instruction - Dec. 16-18). This hands-on workshop will cover the complete RAD-seq analysis workflow, from quality control to variant calling and population structure analysis. Participants will learn Linux basics, RAD-seq data processing, de novo and reference-based variant calling using Stacks and Freebayes, and filtering and formatting variant datasets for downstream analyses. This workshop is designed for beginnersâprior bioinformatics experience required.

Learn more & register here: https://-bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams | Recordings distributed) WHEN: 10:00 AM - 2:00 PM EST COST: $400 (UConn affiliates) â€â€â€$500 (External participants)

Registration is first come, first served.

Questions? E-mail cbcsupport@helpspotmail.com

"Lambert, Karelyn" <zsc25001@uconn.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Online SpatialTranscriptomics Mar9-13

Dear all,

We're excited to announce a Physalia online course on Spatial Transcriptomics with R/Bioconductor

Dates: online, 9-13 March 2026

Course website: (https://www.physalia-courses.org/-courses-workshops/spatial-transcriptomics/)

This 5-day course offers a practical, hands-on introduction to analyzing spatial and single-cell omics data using state-of-the-art tools in R and Bioconductor. Through lectures, guided labs, a project-design session, and an interactive hackathon, participants will learn how to process spatial data, integrate it with single-cell datasets, characterize cellular niches, and explore cell-cell interactions directly in space.

Designed for researchers and advanced students familiar with R/Bioconductor, this course provides a complete workflow from raw spatial data to biological interpretation.

Full list of Physalia courses and workshops: (https://www.physalia-courses.org/courses-workshops/-spatial-transcriptomics/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online SpeciesDistribution Jan19-23

Dear colleagues,

we are pleased to announce the online Physalia course "Species Distribution and Ecological Niche Modelling in R", which will take place 19-23 January 2026.

Course website: (https://www.physalia-courses.org/-courses-workshops/course45/)

This course covers both the theory and practice of Species Distribution Models (SDM) and Ecological Niche Models (ENM), addressing key concepts, methods, applications, and common challenges. Participants will learn how to design, build, validate, and apply SDM/ENM using reproducible and automated workflows in R, while critically evaluating their strengths and limitations. Practical sessions will be based on real species occurrence data, including data provided by participants.

Each day will include live lectures and guided practical introductions (15:00-18:00, Berlin time), followed by approximately 4 hours of self-guided practical work using annotated R scripts. Live e-mail support will be available throughout the day (09:00-23:00, Berlin time).

For the full list of courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course45/)

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 (https://www.linkedin.com/in/physalia-courses-a64418127/)

"info@physalia-courses.org" <info@physalia-courses.org>

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TecMonterrey RADCampLatinAmerica Jul20-27

Join us for a full RADSeq wetlab & bioinformatics workshop in Monterrey, Mexico July 20-27, 2026!

The RADCamp organizers are hosting an interactive RADSeq wetlab and bioinformatic processing workshop designed to guide participants through a full RADSeq pilot study. It will take place over eight days each during two weeks at Tecnológico de Monterrey, Monterrey, Mexico (July 20-27, 2026). First, participants will each use up to 24 samples of their own project's DNA extractions in a wet-lab workshop, where we will prepare dual digest RAD-seq libraries (3RAD). These libraries will be sequenced in-house for paired-end Illumina sequencing. The laboratory costs will be completely subsidized (FREE!). Then, we will focus on reproducible bioinformatic assembly and analysis of participants' pilot RAD-seq data sets using ipyrad.

This workshop is designed as a boot camp for early-career scientists to learn best practices that they can then share with the broader community. This has been made possible through generous funding from the American Genetic Association, Society for the Study of Evolution, International Society for Computational Biology, and the International Biogeography Society.

We encourage all scientists to submit their applications. We especially welcome women, underrepresented minorities, early-stage students, or people with the potential to pass on skills to large groups. Partial funding support (need-based) for travel and accommodations is available and can be applied for through the workshop application. A registration fee ($50 US dollars) will be due upon acceptance.

The application for participation can be found here: https://forms.gle/TMK1WAU1U1QmDk248 More information about the schedule and planned activities can be found here: https://radcamp.github.io/-LatinAmerica2026/ Apply by January 11!

Please contact us at radcamp.nyc+LatinAmerica@gmail.com with any questions or concerns.

Natalia Bayona Vasquez, Oxford College of Emory University Sandra Hoffberg Isaac Overcast, Columbia University Deren Eaton, Columbia University Rocío A. Chávez-Santoscoy, CoreLab Genomics at Tecnológico de Monterrey Silvia A. Hinojosa Alvarez, CoreLab Genomics at Tecnológico de Monterrey Erika Magallón-Gayón, CoreLab Genomics at Tecnológico de Monterrey JesÃ¸s Hernández Pérez, CoreLab Genomics at Tecnológico de Monterrey Andrea Felix Ceniceros, CoreLab Genomics at Tecnológico de Monterrey

isaac overcast <isaac.overcast@gmail.com>

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UConnecticut MicrobialEvol Dec15-18

Take your microbiome and bioinformatics skills to the next level with our upcoming Introduction to Microbial Ecology Workshop, happening December 15-18, 2025, at the University of Connecticut! Whether you're just getting started or expanding your skill set, this hands-on, in-person workshop provides practical training using real microbiome datasets.

Learn the complete microbiome/amplicon sequencing workflow?from raw FASTQ files to statistical analysis and publication-quality figures. Topics include sequence quality control, OTU clustering, taxonomic identification, fungal ITS2 processing, and community ecology statistics using mothur and R, with a strong focus on reproducible research.

No prior command line experience? No problem! This workshop is designed specifically for beginners and starts with the foundational tools you'll need to succeed.

Reserve your spot now: https://mars.uconn.edu/-workshops/ Seats are limited to 15 participants?sign up today!

zsc25001@uconn.edu

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

UCopenhagen eDNA Feb2-6

UofCPH.environmentalDNA.2-6Feb The Globe Institute at the University of Copenhagen is running a week

long course on Environmental DNA. This course would suit anyone who wants to start a project with an eDNA component but has limited experience.

The course is in person in Copenhagen from 2nd Feb - 6th Feb 2026.

Sign up and further details here https://phdcourses.ku.dk/-DetailKursus.aspx?id3574&sitepath=SUND For questions email Dr Luke E Holman gwm297@ku.dk

Luke E. Holman Assistant Professor

University of Copenhagen

Section for Molecular Ecology and Evolution

ÃÂster Farimagsgade 5A, CSS Building 7, 2nd floor 1353 Copenhagen K Denmark

"luke.holman@sund.ku.dk" <luke.holman@sund.ku.dk>

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Virtual RAD-seq Jan13-16

The Computational Biology Core at the University of Connecticut is hosting a virtual bioinformatics workshop this winter! We still have space available in our RAD-seq Workshop (virtual with live instruction - Jan. 13-16). This hands-on workshop will cover the complete RAD-seq analysis workflow, from quality control to variant calling and population structure analysis. Participants will learn Linux basics, RAD-seq data processing, de novo and reference-based variant calling using Stacks and Freebayes, and filtering and formatting variant datasets for downstream analyses. This workshop is designed for beginnersâprior bioinformatics experience required.

Learn more & register here: https://-bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams | Recordings distributed) WHEN: 10:00 AM - 2:00 PM EST COST: $400 (UConn affiliates) â€â€â€$500 (External participants)

Registration is first come, first served.

Questions? E-mail cbcsupport@helpspotmail.com

"Lambert, Karelyn" <zsc25001@uconn.edu>

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Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. 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 me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. 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 Golding@McMaster.CA. 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@evol.biology.McMaster.CA. 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 send to me at Golding@McMaster.CA 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.