# E v o l D i r

May 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 mail to evoldir@evoldir.net.

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

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

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# Conferences



## Antwerp Belgium 7EuropeanConservationGeneticsMeeting new deadline

On August 26-28 this year, the 7th European Conservation Genetics Meeting will happen in Antwerp, Belgium. The deadline for submitting an abstract is now May 20th. The deadline for early bird registration is still June 15th.

Please visit our Website (7th European Conservation Genetics meeting - ZOO Science) with information on the themes, keynote speakers, preliminary schedule, abstract submission, registration/payment link, hotel accommodation and venue. (https://www.zooscience.be/en/7th-european-conservation-genetics-meeting/) This is an in-person meeting with 5 non-parallel sessions and poster sessions every day. We pay special attention to open (panel) discussions and early career researchers, and offer possibilities for an artistic experience and guided excursions to a nature reserve. Please, spread the news!

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## Antwerp CichlidScience Sep2-4

Cichlid Science Meeting 2026 University of Antwerp, Belgium 2-4 September 2026 https://www.uantwerpen.be/en/conferences/cichlid-science-2026/ Dear colleagues,

We are thrilled to share that registration and abstract submission for Cichlid Science 2026 are now open.

The meeting will take place 2-4 September 2026 at the University of Antwerp, Belgium, and will bring together researchers from around the world to share and discuss the latest advances in cichlid fish research, from evolution, ecology, and behaviour to genomics, conservation, and beyond. We warmly invite researchers at all career stages to submit an abstract for an oral presentation or poster.

Key Dates: * Abstract submission and early bird registration deadline: 31 May 2026 * Regular registration deadline: 31 July 2026

Confirmed Invited Speakers: * Dr. Pooja Singh, Department of Ecology and Evolution, University of Bern,

Switzerland * Dr. Alex Jordan, Behavioural Evolution Lab, Max Planck Institute of Animal Behaviour, Konstanz, Germany * Dr. Andr?s Bendesky, Zuckerman Mind Brain Behavior Institute, Columbia University, New York, USA

Travel grant: Travel grant funding is being finalised. Please see our webpage or contact us (CichlidScience2026@uantwerpen.be) for more information. If you may be eligible, we encourage you to express your interest now.

Feel free to forward this to anyone you think could be interested.

We look forward to welcoming you to Antwerp!

Best wishes, Cichlid Science 2026 local Organising Committee Hannes Svardal Jens Boyens Julia Camacho Joey Cabasan Alex Hooft

Cichlid Science 2026 ¡CichlidScience2026@uantwerpen.be¿

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## Berlin German Society For Mammalian Biology Sep14-18

We are pleased to announce the international meeting of the German Society for Mammalian Biology (Deutsche Gesellschaft fur Saugetierkunde, DGS), which will take place 14-18 September 2026 at the Museum fur Naturkunde Berlin and the Leibniz Institute for Zoo and Wildlife Research in Berlin, Germany.

In celebration of the 100-year anniversary of the society, the meeting will not only reflect a century of its rich history but also provide inspiration and momentum for future advances.

To celebrate and showcase the diversity of research represented within the DGS, we warmly invite researchers from all fields of mammalogy to participate in the meeting. It will offer an excellent opportunity for exchange, discussion and exploration of innovative ideas that drive the field forward, all in the exciting setting of vibrant Berlin.

Sessions will cover morphology & palaeontology, genetics, genomics & museomics and ecology & conservation of mammals. Contributions from all other disciplines within mammalogy are welcome and can be submitted to the free topics session.

Confirmed invited speakers are: * Selina Brace, Natural History Museum, London * Marcus Clauss, University of Zurich, Zurich * Eduardo Eizirik, PUCRS, Porto Alegre * Rainer Hutterer, Leibniz Institute for the analysis of biodiversity change, Bonn * Iris Menendez, Museum fur Naturkunde, Berlin

Explore the preliminary programme and registration details on our website: https://www.mammalian-biology.de/meetings/annual-meeting-2026/ The conference will kick off with an ice breaker and a free guided evening tour in Tierpark Berlin. During the conference several other excursions are optionally available: * Zoological Garden Berlin (late morning) * Guided wildlife tour in "Tiergarten", the central park of Berlin with the potential for spotting bats (evening) * Lower Oder River Valley (day trip) Please find more information here: https://www.mammalian-biology.de/meetings/excursions/ There are travel grants available for students. More information here: https://www.mammalian-biology.de/meetings/travel-grants/ Awards will be given to the best oral presentation (up to PhD level) and for the best poster presentations.

Registration is now open. Abstract submission deadline is May 31st 2026.

We encourage you to register soon and to become a society member to take advantage of the discount available during this period.

Register here: https://www.mammalian-biology.de/meetings/registration-abstract-submission/ With kind regards, the organizing committee Jorns Fickel, Christiane Funk, Peter Giere, Elisabeth Hempel, Anke Hoffmann, Ulla Lachele

Follow us on Bluesky: https://bsky.app/profile/mammalbiology.bsky.social For further questions please contact: dgs2026@mfn.berlin

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## BoracayPhilippines GIGA VI July6-10

The deadline for submitting an abstract (oral or poster presentation) to the 6th meeting of the Global Invertebrate Genomics Alliance (GIGA) is approaching.

Submit your abstract till the 1st of May and join us on

Boracay Island in the Philippines from 6 to 10 July, at the heart of the coral biodiversity triangle!

For more information, see https://gigavi.org/ Best regards,

Jean-Francois (on behalf of the organizing committee)

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## ClevelandOhio Evolution Jun20-24

On behalf of American Society of Naturalists, I'm writing to remind you of the upcoming registration deadlines for Evolution 2026: https://www.evolutionmeetings.org/. The virtual meeting will take place May 20-22. The in-person meeting is June 20-24 in Cleveland, OH. Evolution 2026 is the joint meeting of the American Society of Naturalists, the Society of Systematic Biologists, and the Society for the Study of Evolution.

April 15 is the deadline for the early registration rate, as well as the deadline for submitting talks for both the virtual and in-person meetings. June 1 is the regular registration deadline, and the deadline for poster submission.

You can register here: https://www.evolutionmeetings.org/registration.html, and you can find an overview of the programs for the virtual and in-person meetings at https://www.evolutionmeetings.org/program-overview.html ASN Graduate students: April 15 is also the deadline for applications for the 500*GraduateStudentTravelAward.Tobeeligible*, *thestudentmustpresentatalkorposterandmustnothavereceivedthetravelawar*

We hope to see you this summer at Evolution 2026!

Dr. Ren?e A. Duckworth Professor, Ecology & Evolutionary Biology BIO5 Institute Member University of Arizona Tucson, AZ 85721 www.reneeduckworth.com "Duckworth, Renee A - (rad3)" ¡rad3@arizona.edu¿

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## CornellU CanineFelineGenomics Jun28-Jul1

The abstract deadline has been extended to April 10th for this summer's ICCFGG conference at Cornell University from Jun 28 - Jul 1. The biennial International Conference of Canine and Feline Genetics and Genomics features sessions on canine and feline population genomics and evolution and keynote presentations by Andrew Clark (Cornell) and Zhiping Weng (UMass Medical).

Please submit your talk or poster abstracts at the conference website, iccfgg.org, by April 10th. The conference website lists transportation and lodging options, and a number of discounted hotel rooms in downtown Ithaca are available for conference attendees. Transportation will be provided daily between downtown and the conference venue at the Cornell University College of Veterinary Medicine. Letters of support are available if required for international travel. A limited number of travel grants (up to 750*each*)*arealsoavailableforstudentsorresearchersfromunderrepres*

This year's conference is graciously sponsored by Hill's Pet Nutrition and features numerous scientific sessions and activities. Registration includes tickets to the welcome reception on June 28th and to the gala dinner on June 30th at the historic Inn at Taughannock.

Come learn about the latest advances in canine and feline genomics, and network with researchers, veterinarians and companies working in companion animal health and genetics.

See you in Ithaca!

The International Organizing Committee

Adam Boyko (boyko at cornell dot edu) Claire Wade Eva Furrow Hannes Lohi Jeff Brockman Jeff Kidd Jeffrey Schoenebeck Jennifer Meadows Leigh Anne Clark Maja Arendt

Adam Boyko ¡arb359@cornell.edu¿

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## CornellU InvertSoundEvolution Jun15-17

This conference has a strong evolutionary biology emphasis. Here is a description with website link:

The international conference of Biotremology and Invertebrate Sound and Vibration will convene at Cornell University in Ithaca NY, June 15-17, 2026, bringing together a vibrant community of researchers from around the globe to celebrate and explore the fascinating world of sound and vibrations.See https://events.ces.scl.cornell.edu/event/bioisv/summary The meeting offers an inspiring platform to showcase cutting-edge research on how animals produce, transmit, detect, and respond to sound traveling through solid substrata, air and water across a wide range of ecological and evolutionary contexts. By encouraging lively discussion and interdisciplinary exchange, the conference aims to energize research, spark fresh ideas and collaborations and highlight the remarkable role of sound and vibrations in shaping how organisms interact with their environments.

We can't wait to welcome you to Ithaca!

Kerry Shaw, Professor

Cornell University

"Kerry L. Shaw" ¡kls4@cornell.edu¿

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## EarthPrecisionAgriculture August10-14 BMOCentre Calgary Canada

Be part of the inaugural conference bringing together agriculture professionals, research presentations, and exhibiting companies from across the globe. Shape the future as a founding attendee. https://precisionagriculture.earth We invite original contributions that advance research, practice, and policy relevant to agriculture and related decision-making domains. To accommodate work at different stages of maturity, we offer three submission categories. Authors should select the category that best fits the scope and completeness of their work.

Paper Submission Deadline June 15, 2026

Headquartered in Calgary, AB, Canada, Earth Precision Agriculture (EPA) is dedicated to addressing the world's most pressing challenges in agriculture and food security through advanced technologies, data-driven insights, and global partnerships. EPA was founded on the principle that the future of agriculture depends on breaking down silos and cultivating a truly global ecosystem of collaboration and knowledge sharing. By uniting the brightest minds with the most promising innovations, expanding a worldwide network of shared expertise, and elevating diverse perspectives from across the agri-food ecosystem, we accelerate the transition toward a more sustainable, resilient, and productive global food system.

Our Vision To cultivate a world where technology and collaboration have eradicated food insecurity, creating a sustainable and resilient global agricultural ecosystem for generations to come.

Our Mission To accelerate the global adoption of precision agriculture by creating a premier platform for collaboration, knowledge exchange, and innovation. We connect researchers, innovators, investors, and industry leaders to tackle the world's most pressing agricultural challenges, driving tangible solutions from the lab to the field.

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## KewGardens PlantFungiEvolution Jun29-Jul1

Final call for abstracts: State of the World's Plants and Fungi Symposium

Submit your abstract by 24 April and view the updated programme

View in browser

Dear friends and colleagues of Kew,

The deadline to submit an abstract for a poster presentation at the

State of the World's Plants and Fungi Symposium is approaching. Don't miss this opportunity to secure your

place in the programme and share your work with a global audience.

This year's symposium explores the digitisation of herbarium and fungarium collections, including its applications and implications. Join us for this important hybrid event, taking place at Kew Gardens and online from 29 June to 1 July 2026.

Submit a poster abstract

In-person participants are invited to submit an abstract for a poster presentation accompanied by a one-minute flash talk. We are currently accepting abstracts relating to:

The digitisation of herbarium or fungarium specimens The use of digitised specimen data The applications and implications of using digitised specimen data

Prizes will be awarded for the best student and early career researcher posters.

Deadline for abstracts: 24 April 2026

Submit your abstract

Submit your abstract

Programme updates

The programme features themed sessions where invited experts will explore critical topics through presentations and Q&A panel discussions, including:

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

Other highlights include:

Professor Dame Angela McLean DBE FRS, UK Government Chief Scientific Adviser Professor Anjali Goswami, Chief Scientific Adviser for the UK Department for Environment, Food and Rural Affairs Interactive workshop: A chance for in-person attendees to contribute ideas towards an open access publication focussed on increasing digitisation in biodiverse, low-income countries.Special session: Stay tuned for an announcement coming soon!

View the programme

For more information, visit the symposium web page.

We look forward to welcoming you to the symposium.

Best wishes, The State of the World's Plants and Fungi Steering Committee

kew.org/sotwpf-symposium



## MersinU Turkey EcolEvol Jul6-10

We would like to announce the Ecology and Evolutionary Biology Symposium in Turkey (EEBST), which will take place this year on 06-10 July 2026 at the Mersin University,Mersin.

EEBST2026 will be the twelfth in a series of international symposia organized annually by the Ecology and Evolutionary Biology Society of Turkey. We invite you to share your latest research and be a part of this exciting event. Please note the following important details for your submission:

Deadline: Please ensure all abstracts are submitted by April 15th.

Word Limit: Abstracts must not exceed 300 words.

Submission Link: You can access the abstract submission system directly through our website: https://eebst.ekoevo.org/ If you have any questions or need further assistance, please feel free to email us at eebst@ekoevo.org. We would be grateful if you help us to disseminate the news in your networks. We look forward to having you all in Mersin this July. EEBST 2026 Organizing Committee

Sibel Kucukyildirim,PhD Hacettepe University Department of Biology Beytepe ?ankaya Ankara 06800 TURKEY

sibel kucukyildirim ¡sibelkucukyildirim@gmail.com¿

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## Milan EnvironmentalGenomics Jul7-8

This year's International Workshop on Environmental Genomics (IWEG) will be held on July 7-8 in Milan, Italy. The workshop program is now live on our website:

https://iweg.global/ This year's workshop is designed around a central question: how do we move eDNAfrom promising science to reliable, decision-grade application eDNA.

Across two days, the program explores this from multiple angles:

- Session 1 focuses on the demonstration of reliability in eDNA methods, covering detection limits, false positives and negatives, inter-lab reproducibility, and longitudinal consistency, with the goal of defining minimum reliability standards for routine use.

- Session 2 brings a panel discussion on harmonization, addressing how to align diverse methods while maintaining flexibility, including reporting standards, ISO efforts, cross-jurisdiction comparability, and bioinformatics version control.

- Session 3 presents real-world case studies where eDNA is already informing decisions, from environmental impact assessments and biosecurity to restoration monitoring, sustainability reporting, and commercial species tracking.

A strategic discussion will ask a critical question: what are the key remaining hurdles to scaling eDNA adoption?

- Session 4 explores what a fully operational eDNA system would look like if designed today, from workflows and infrastructure to data management, decision thresholds, and business models.

- Session 5 focuses on defining "decision-grade eDNA," bringing together perspectives from regulators, industry, standards bodies, and eDNA research and development to examine trust, validation, and liability.

IWEG is an invitation-only workshop designed to foster open and meaningful discussion. If you are interested in joining the conversation and contributing to this dialogue, we would be glad to hear from you. Please contact: communications@iweg.global

Greg Singer ¡greg@ednatec.com¿

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## Online ESEB InternalConflictsSTN Apr15

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 April 15, 10:00 UTC. Our speakers for this seminar are:

Alejandro Burga: (Institute of Molecular Biotechnology Austria). Short RNAs, long memories: when genome defence becomes gene regulation.

Patrick Kennedy (University of Bristol): Brinkmanship in intragenomic conflict.

We expect the meeting to take approximately 1.5 hours.

Meeting details: Date: April 15, 2026. Time: 10:00 UTC. Meeting link: https://georgetown.zoom.us/j/97210197821?jst=2 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 Martijn Schenkel, Arvid Agren, Manus Patten, Nina Wedell, and Thomas Hitchcock

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

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## Online MEEHubs Aug3-5

Dear colleagues,

On behalf of the organising team of MEEHubs 2026 (https://meehubs.org/), I would like to share that the abstract submission deadline for our multi-hub hybrid conference on microbial ecology and evolution has been extended to 26 April 2026.

MEEHubs is a pioneering conference format that connects researchers across the globe while reducing travel-related barriers and environmental impact. Following a successful first edition in 2024 (https://doi.org/10.1093/femsle/fnaf022), MEEHubs 2026 will bring together participants across 7 local hubs in 6 time zones, all linked through a shared hybrid conference experience with both in-person and virtual participation.

Why submit? ? Showcase your research to a global audience ? Connect across hubs and time zones ? Be part of an innovative, low-carbon conference format ? Engage in dynamic, cross-disciplinary discussions

Submit your abstract here: https://meehubs.org/ We would be delighted to receive your contribution in one of the hubs around the globe, or online.

We would also be very grateful if you could share this announcement with colleagues, group members, or others who may be interested.

Best wishes, Marco Gabrielli ¡marco.gabrielli@eawag.ch¿

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## Online SORTEE Oct13-14

SORTEE Conference 2026: Save the Date!

Dear Colleague,The sixth annual SORTEE conference (The Society/for Open, Reliable, and Transparent Ecology and Evolutionary Biology) will be held virtually in October 2026. The conference will run continuously from October 13th to October 14th.

Dear Colleague,

The sixth annual SORTEE conference (The Society/for Open, Reliable, and Transparent Ecology and Evolutionary Biology) will be held virtually in October 2026. The conference will run continuously from October 13th to October 14th, to cover all time zones.

The conference is a forum to discuss and develop ideas, while also exploring current practices for advancing research in fields related to ecology and evolutionary biology.

The conference will be a mix of 5 session types:

Unconferences: Facilitated discussions of ideas for how to make ecology, evolutionary biology, and related disciplines more open, reliable, and transparent.

Hackathons: Group projects with well-defined goals (papers, techniques, software, protocols, organizations, etc.).

Workshops: Facilitators will teach tools to implement open, reliable, and transparent practices.

Plenaries: Two plenaries about recent initiatives in open science.Introductions to open science: Two sessions dedicated to people new to open science.

To have an idea of what a SORTEE conference looks like, check the 2025 SORTEE conference program here and the summary of previous conferences at https://www.sortee.org/past. Content submissions will soon open on this page

To have a great conference, we need motivating events and keen facilitators! We invite anyone interested in facilitating an unconference, a hackathon or a workshop to submit their content. You don't have to be a SORTEE member.

The conference will be FREE for SORTEE members, and range from 0*to*60 for non-SORTEE members. Become a member!

We are trying our best to make this conference as inclusive as possible. We encourage individuals with questions regarding accessibility when facilitating a session or attending the conference to reach out to us at conference@sortee.org.

We hope to see you in October.

Sincerely, The SORTEE Conference Committee

2355 State St Ste 101 Salem, OR 97301-4541, USA

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SORTEE Conference Committee ¡conference@sortee.org¿

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## Portugal StructuralVariation Jul8-10

CONFERENCE ON THE EVOLUTIONARY ROLE OF STRUCTURAL VARIATION 8th - 10th of July 2026, Vila do Conde, Portugal

!!!!REGISTRATION and ABSTRACT SUBMISSION is NOW OPEN FOR EEVRYONE!!!!

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 (https://structuralvariantsstn.github.io/). 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 both from an empirical and theoretical perspective.

The Trends in Biodiversity and Evolution (TiBE) conference is an annual meeting organized by BIOPOLIS-CIBIO, Portugal, providing a platform for senior researchers, as well as post-graduate and graduate students, to present and discuss the latest developments in evolutionary biology.

We are organizing a joint conference "Trends in Biodiversity and Evolution: the evolutionary role of structural genomic variation" (TiBE-STRiVE)" that will feature cutting-edge research presentations, foster interdisciplinary discussions, and initiate collaborative projects spanning the breadth of structural variant research. This will be the kick-off conference of the STRiVE network (https://structuralvariantsstn.github.io/).

IMPORTANT INFORMATION and LINKS: Venue-Location: Quinta do Crasto, Vairao, Vila do Conde, Portugal Dates of the conference: 8th to 10th of July, 2026 Abstract submission deadline: 15 of April 2026 Communication of abstract acceptance: 20 of April 2026 Registration deadline: 30 of April 2026 Websites: https://structuralvariantsstn.github.io/porto_about/ and/or https://tibe.biopolis.pt/ How to register and submit your abstract: https://structuralvariantsstn.github.io/porto_registration/or https://tibe.biopolis.pt/registrations/ and https://tibe.biopolis.pt/abstracts/ How to become STRiVE member (not mandatory to participate in the meeting): https://structuralvariantsstn.github.io/committee/ Follow us on Bluesky (@strivestn.bsky.social)

INVITED SPEAKERS: Mark Kirkpatrick, Department of Integrative Biology, The University of Texas at Austin, Austin, TX, USA Joana Meier, Cambridge University & Welcome Sanger Institute, UK

Two additional early career speakers will be invited to present a talk based on the quality their abstracts.

Hurry-up! Talks are granted on a first-come, first-served basis.

MAIN ORGANIZERS: Rui Faria, Aurora Ruiz Herrera and Marina Rafajlovic, Marius Roesti, Petr Neguyen, Kay Lucek, Maren Wellenreuther, Jenn Coughlan, Zach Gompert, Claire Merot, Benjamin Dauphin

Local organizing committee; Pierre Barry (CIBIO, U. Porto), Ralph Merrifield (CIBIO, U. Porto), Susana Almeida (U. Algarve), Joao Carvalho (CIBIO, U. Porto), Leonor Bezerra (CIBIO, U. Lisbon)

On behalf of the organization,

Rui Faria, PhD

1. Researcher and SEAGEN Group Leader CIBIO, Centro de Investiga??o em Biodiversidade e Recursos Gen?ticos, InBIO Laborat?rio Associado BIOPOLIS Program in Genomics, Biodiversity and Land Planning Campus de Vair?o Rua Padre Armando Quintas, n? 7 4485-661, Vair?o, 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-1https://sites.google.com/biopolis.pt/littorina/winklewatch Rui Faria ¡ruifaria@cibio.up.pt¿

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## Portugal StructuralVariation Jul8-10 Deadline30April

CONFERENCE ON THE EVOLUTIONARY ROLE OF STRUCTURAL VARIATION 8th - 10th of July 2026, Vila do Conde, Portugal

!!!!REGISTRATION DEADLINE is on the 30th of April!!!

There are only a few slots available. Hurry-up!

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On behalf of the organization,

Rui Faria

1. Researcher and SEAGEN Group Leader CIBIO, Centro de Investigacao em Biodiversidade e Recursos Geneticos, InBIO Laboratorio Associado BIOPOLIS Program in Genomics, Biodiversity and Land Planning Campus de Vairao Rua Padre Armando Quintas, no 7 4485-661, Vairao, Portugal

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Webpages: Littorina Research Community https://rmigueldefaria.wixsite.com/farialab-1https://sites.google.com/biopolis.pt/littorina/winklewatch (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Roscoff DNAelimination Sept21-25

Mechanistic and Evolutionary Basis of Programmed DNA Elimination Station Biologique de Roscoff, France Monday, September 21, 2026 to Friday, September 25, 2026 https://cjm.sb-roscoff.fr/en/conference/mechanistic-and-evolutionary-basis-programmed-dna-elimination Dear colleagues, We are delighted to announce the conference Mechanistic and Evolutionary Basis of Programmed DNA Elimination, taking place September 21-25, 2026 at the Station Biologique de Roscoff (France). Programmed DNA elimination–developmentally regulated, reproducible loss of specific genomic regions–has evolved multiple times across the tree of life (e.g., ciliates, nematodes, lampreys and other metazoans). This meeting will bring together researchers working on both molecular mechanisms (chromatin, small RNAs, genome rearrangements, chromosome biology, nuclear differentiation) and the evolutionary origins, drivers, and consequences of DNA elimination, including implications for genome architecture, genetic conflict and transposable elements, germline-soma evolution, convergence, adaptation, and speciation. We also welcome researchers working on related topics such as meiotic drive/B chromosomes, as well a those working on organisms with non-Mendelian genetics beyond just DNA elimination. We warmly invite researchers at all career stages to submit an abstract for an oral presentation or poster. Key dates Conference: Monday, September 21, 2026 - Friday, September 25, 2026 Abstract submission deadline: Tuesday, May 5, 2026 Confirmed invited speakers Peter ANDERSEN (Aarhus Universite, Denmark) – Epigenetic regulation of the fungus gnat germline genome Julien BISCHEROUR (I2BC, Gif-sur-Yvette, France) – A hybrid machinery of repair proteins and domesticated transposases ensures precise programmed DNA elimination in Paramecium tetraurelia Dmitrij DEDUKH (Institute of Animal Physiology and Genetics, Prague, Czech Republic) – Programmed genome elimination during gametogenesis and after fertilization in hybrid asexual vertebrates Marie DELATTRE (Ecole Normale Superieure Lyon, France) – Is programmed DNA elimination in mesorhabditis nematodes a transposon-driven process? Sandra DUHARCOURT (Institut Jacques Monod, Paris, France) – Mechanisms and regulation of programmed DNA elimination in Paramecium Laurent DURET (LBBE, Lyon, France) – The impacts of programmed DNA elimination on genome evolution in Paramecia Feng GAO (Ocean University of China, Qingdao, China) – Soma-derived 30nt small RNAs precisely target non-transposon DNA against elimination in Euplotes vannus Stacey HANLON (University of Connecticut, USA) – B chromosome dynamics in the Drosophila melanogaster germline Christina HODSON (University College London, UK) – Dynamic evolution of germline restricted chromosomes in sciarid flies Andreas HOUBEN (Leibniz Institute of Plant Genetics and Crop Plant Research, Germany) – Programmed DNA elimination in plants Laura KATZ (Smith College, Northampton, USA) – Programmed DNA elimination and other dynamic genome processes across the eukaryotic tree of life Hanna KOKKO (University of Mainz, Germany) – Modelling faster mitochondrial evolution in haplodiploids Benjamin LOPPIN (Ecole Normale Superieure Lyon, France) – Mechanisms of Wolbachia-induced paternal chromosome elimination Kazufumi MOCHIZUKI (Institut de Genetique Humaine, Montpellier, France) – Small RNA-directed programmed DNA elimination in Tetrahymena Radka REIFOVA (Faculty of Science, Prague, Czech Republic) – Programmed DNA elimination in songbirds: mechanisms and evolutionary significance Laura ROSS (University of Edinburgh, UK) – Programmed DNA elimination from soma and germline in insects Denis ROZE (CNRS, Roscoff, France) – Models for the evolution of paternal genome elimination Tanja SCHWANDER (Universite de Lausanne, Switzerland) – Selfish reproductive strategies in stick insects Jeramiah SMITH (University of Kentucky, Lexington, USA) – Germline restricted chromosomes in lampreys and hagfish Lewis STEVENS (Wellcome Sanger Institute, Cambridge, UK) – Programmed DNA elimination was present in the last common ancestor of Caenorhabditis nematodes Alexander SUH (Leibniz Institute for the Analysis of Biodiversity Change, Bonn, Germany) – Evolution and elimination of the germline-restricted chromosome of passerine birds Eelco TROMER (University of Groningen, Netherlands) – Evolutionary cell biology of chromosome segregation systems in eukaryotes Frederic VEYRUNES (Institut des Sciences de l'Evolution, Montpellier, France) – Menage a trois in the African pygmy mouse. A third sex chromosome and a third sexual phenotype Jianbin WANG (University of Tennessee, USA) – Programmed DNA elimination in nematodes Registration details, fees, and practical information are available on the conference website:

— / —

## Saskatoon IntlAssocPlantBiotech Biodiversity Jul26-30

The International Association for Plant Biotechnology (IAPB) is the global network for plant biotechnology scientists, providing a platform for sharing research, fostering collaboration, and advancing innovation in plant science. Every four years, IAPB hosts a major international Congress, with the next event scheduled for July 2026 in Saskatoon, Canada.

https://iapb2026.ca IAPB2026 will focus on novel breeding tools, tissue culture, and biotechnological approaches to address pressing global challenges such as climate change, biodiversity conservation, and the United Nations Sustainable Development Goals.

1. Innovations in Plant Cell Culture and Development

Advances in In Vitro Systems: Embryogenesis, Organogenesis, Cryopreservation, and Tissue Culture-Free Approaches

2. Molecular Frontiers in Plant Biotechnology

Epigenetics, RNAi, Genome Editing, Omics technologies

3. Biotechnological Strategies for Stress Resilience in Plants

Innovative Approaches to Enhance Plant Resistance to Pathogens, Pests, and Abiotic Stresses

4. Intelligent Breeding, Smart Agriculture, and Automation

Integrating AI, Predictive Science, Automation, and Digital Platforms to Revolutionize Plant Breeding and Production Systems

5. Synthetic Biology and Biomanufacturing in Plants

Advancing Sustainable Bioproducts through Synthetic Biology

6. Ethics, Policy, and Regulation in Plant Biotechnology

Navigating Innovation

Preliminary Agenda

The scientific program runs from July 27 to July 30. We encourage you to travel early and enjoy what Saskatoon has to offer! The detailed schedule is posted here. Your abstract will soon be added to the program.

Registration and Accommodation

Please note that the presenting author will need to register by the May 15 2026 (Early Bird) deadline for your abstract to be included in the final program. Please register here at your earliest convenience if you have not done so. Guest rooms at one of the congress hotels can be booked upon registration. As rooms are limited, book now to take advantage of the preferred rates at one of the congress hotels. Please visit the congress website if you require more information on the accommodation options.

Travel to your destination

Should you require a visa to travel to Saskatoon, Canada, please apply at least 4 months before your travel, or even earlier if possible, as the processing time varies. You may request a letter of invitation for your visa application via the registration portal. Please note that a letter of invitation may only be given once registration and payment are completed.

If you require additional information and further assistance, please do not hesitate to contact us by email at iapb2026-program@globalplanning.ca

Akshada Raju

IAPB 2026 Program Manager International Association for Plant Biotechnology Congress Global Planning Solutions 449-1231 Pacific Boulevard Vancouver, BC V6Z 0E2 - Canada Tel: +1.604.681.5226, Ext. 229

zxwinner ¡zxwinner@yeah.net¿

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## SMBE Call RegionalMeetingProposalsInEurope

*Society for Molecular Biology & Evolution*

*SMBE Call for 2028 Regional Meeting *

*Proposals from Europe*

*Deadline for submissions: May 15, 2026*

Dear SMBE Members,

Starting in 2027, the SMBE Annual Meeting will alternate between the Global Meeting (on odd years) and the SMBE Extended Regional meetings (on even years).

The first extended regional meetings are scheduled to take place in 2028.

The SMBE will financially support up to five meetings, ideally one per major region of the world (North America, Central/South America, Europe, Africa, Asia/Oceania). This format will reduce the environmental impact of its meetings while simultaneously increasing accessibility by lowering travel costs for its members worldwide.

SMBE is now calling for proposals for meetings and actions to be held between *January 1, 2028, and December 31, 2028 specifically in Europe.*?Funds will be awarded on a competitive basis to members of the molecular evolution research community to host meetings that provide opportunities for participation to members with a wide range of interests, as covered by our society. The meetings could also include focused symposia to be determined by the organizers. The number of awards will depend on the quality of the proposals, the total cost, and the available budget.

*SUBMIT PROPOSAL* ¡https://societyformolecularbiologyandevolution.growthzoneapp.com/ap/r/294233901f8442079f4a47adfd366cdd>

*The deadline for submission of proposals is May 15, 2026. *Decisions will be communicated to the applicants in mid-June 2026.

* *Submission opens:*?November 12, 2025 * *Deadline for submission: *May 15, 2026 * *Decisions announced: *Mid-June 2026

Questions? Please contact smbe@am.kwglobal.com.

Warm regards,

Society for Molecular Biology & Evolution

Society for Molecular Biology and Evolution

+1.785.289.2056

smbe@am.kwglobal.com

https://www.smbe.org

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This email was sent on behalf of Society for Molecular Biology and Evolution located at 301 Concourse Boulevard, Suite 210, Glen Allen, VA 23059. To unsubscribe click here. ¡https://societyformolecularbiologyandevolution.growthzoneapp.com/ap/r/a94a6f75375a4eb4aad01f9ad7aea24c>?If you have questions or comments concerning this email contact Society for Molecular Biology and Evolution at smbe@am.kwglobal.com.

Aline Muyle ¡aline.muyle@cnrs.fr¿

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## Switzerland MicrobialPredation Jul27-31

Microbial Predation Conference 2026 Monte VeritA , Switzerland July 27-31, 2026

UPDATE: REGISTRATION IS NOW OPEN (deadline June 12th)

Join us in lovely Ticino, Switzerland to discuss what microbial predation looks like, how it originates and evolves, and how it shapes microbial communities. Researchers studying diverse aspects of microbial predation with different predator-prey systems will gather to promote conceptual synthesis across systems and questions.

Conference website: https://microbialpredation.ethz.chRegister for conference updates at https://microbialpredation.ethz.ch/registration.html Invited speakers include: Lutz Becks - University of Constance, Germany Antonis Chatzinotas - Helmholtz Center for Environmental Research, Leipzig, Germany Yen-Ping Hsueh - Max-Planck Institute for Biology, Tuebingen, Germany Andrew Lovering - University of Birmingham, UK David Queller - Washington University in St. Louis, USA Joan Strassmann - Washington University in St. Louis, USA Renske van Raaphorst - University of Groningen, The Netherlands

With the Conference on Microbial Predation 2026, we seek to bring together microbial-predation researchers who rarely meet under a single scientific umbrella, including molecular microbiologists, ecologists, evolutionary biologists, theoreticians, and biocontrol researchers, promoting integration across microbial systems and connection with concepts largely associated with macroscopic predators. The conference provides a forum where diverse perspectives can converge to build shared conceptual frameworks, new interdisciplinary collaborations can be initiated, and the global community of

microbial-predation researchers can more deeply interconnect.

We welcome researchers working with animals who want to think more about microbial predation.

Major themes:

Molecular mechanisms Behavior Ecology Evolution Social aspects of predation Applications

Scientific organizers:

Marie Vasse, CNRS - University of Bordeaux, France marie.vasse@u-bordeaux.fr

Greg Velicer, ETH Zurich, Switzerland gregory.velicer@env.ethz.ch

For administrative questions, please contact us at microbialpredation2026@ethz.ch

Velicer Gregory ¡gregory.velicer@env.ethz.ch¿

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## Switzerland Orthology Aug29-30

Quest for Orthologs meeting (QfO9) - August 29-30, 2026, Lausanne

CALL: abstract submissions for talks and posters. Submission deadline: May 15, 2026 Webpage: https://qfo2026.unil.ch/ Confirmed Invited Speakers: Katharina Hoff (University of Greifswald), Erich Bornberg-Bauer (University of Mi? 1/2 nster), Lucy J. Colwell (University of Cambridge, Google DeepMind), Ekaterina Osipova (Harvard University)

Scope: The QfO Consortium addresses key challenges in molecular evolutionary biology and strives to develop large-scale methods for inferring orthology among fully sequenced genomes, and to reconstruct the complement of protein-coding genes in common ancestral genomes across the tree of life. The QfO meetings aim to bring together researchers around the world who work in the field to accelerate progress through sharing of ideas, methods, and research findings.

QfO 9 will take place ahead of ECCB 2026 (both in Switzerland). Travel awards for early-career researchers will be available.

We look forward to welcoming you to Lausanne!

Best regards, Sina Majidian (on behalf of the QfO 9 organizing committee)

Sina Majidian ¡sina.majidian@gmail.com¿

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## UChicago MidwestPopgen Aug21-22

The 2026 edition of the Midwest Population Genetics meeting will be held at the University of Chicago on Friday August 21st and Saturday August 22nd. The meeting will begin at noon on the 21st and conclude at 5pm on the 22nd.

Midwest Popgen is intended as a trainee focused meeting, and as such the presentation of work that is still in progress is strongly encouraged. Both registration and abstract submission are via google form: https://docs.google.com/forms/d/e/1FAIpQLScSEXtqYWnNlX1uWR9jqkyqyzShoB47dbi7FgIUE9eRcoU7_g/viewform To be considered for an oral presentation, abstracts should be submitted by May 30th, and we aim to set the final presentation schedule by June 26th.

Additional information can be found at the website for the meeting: https://jkreinz.github.io/mwpg2026/ Please forward this announcement to anyone who may be interested. We look forward to seeing you in Chicago!

Midwest Popgen 2026 organizing committee

- Jeremy J Berg Assistant Professor Department of Human Genetics University of Chicago

Jeremy Berg ¡jjberg@uchicago.edu¿

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## Uppsala Sweden BioSystEU Aug17-19

The keynote speakers will be Paul Hebert, Sandra Knapp, and Fredrik Ronquist. Early bird registration ends May 31. For further information see:

https://event.trippus.net/Home/Index/AEAKgIPwqKKWT7_SUqR0JHxpngiuR_Ar-WnoIpJEmrOJXRjejt

inxGf-l9u33-Qlc_WMNyFX-EVK/AEAKgIPVez3SLTiEhaIHxCFryKd8RUd-yJ44Dr4G8YZOPaJ726e9xecN6DJ5vDWgmuyJqg185wPS/eng Martin Ryberg Systematic Biology Department of Organismal Biology Uppsala University

N?r du har kontakt med oss p? Uppsala universitet med e-post s? inneb?r det att vi behandlar dina personuppgifter. F?r att l?sa mer om hur vi g?r det kan du l?sa h?r: 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 Martin Ryberg ¡martin.ryberg@ebc.uu.se¿

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## Washington DC Bioinformatics Jul14-15

The 27th annual Bioinformatics Open Source Conference (BOSC 2026) arrives in Washington, DC, this July 14-15 as a COSI track of ISMB 2026.

This year's program features visionary keynotes from Dr. Maryam Zaringhalam (Center for Open Science) and Dr. Eric Green (Illumina), alongside two panels on "Policies and Strategies for Resilient Open Science" and "Open Source in the Age of AI." From cutting-edge talks to the post-conference CollaborationFest (July 17-18), BOSC remains the essential gathering for those driving the future of open science and reproducible research.

Help shape the global conversation by submitting your abstracts for talks and posters across topics such as data science, workflows, open AI/ML, translational bioinformatics, and outreach & training. The deadline for talk consideration is April 9, and no extensions will be granted. We are committed to an accessible community; if registration costs are a barrier, fee assistance is available (to those who qualify) to ensure all voices can participate. Don't miss your chance to contribute to the Open Source ecosystem.

Scientists at all career levels are welcome! Submit your work and join us in DC this summer!

Sincerely,

The BOSC 2026 Organizing Committee - Nomi Harris, Karsten Hokamp, Jessica Maia, Herve Menager, Monica Munoz Torres, Van Truong, Deepak Unni, and Jason Williams.

Learn more about BOSC 2026 at: https://www.open-bio.org/events/bosc-2026 Submit your abstract at https://www.open-bio.org/events/bosc-2026/submit With immense gratitude to our Gold Sponsors: The NIH Office of Data Science Strategy (ODSS) (https://datascience.nih.gov) and Seqera (https://seqera.io ).

Join the Open Science conversation on social media:

LinkedIn: https://www.linkedin.com/groups/14344023/ Bluesky: https://bsky.app/profile/bosc.bsky.social Slack: https://join.slack.com/t/obf-bosc/shared_invite/zt-n5ur1gsj-z2C~69_4lYTFPg5tbWA8Ew Monica Munoz Torres ¡monimunozto@gmail.com¿

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## Washington EvolutionComparativeGenomics Jul12-16

We invite abstract submissions for talks and/or posters to the Evolution and Comparative Genomics (EvolCompGen) track at ISMB on July 12-16 in Washington DC. Describe your recent work on 1-2 pages and submit before the deadline on Friday April 9 (midnight anywhere on earth)!

Abstract submission site: https://www.iscb.org/ismb2026/call-for-submissions/abstracts More about the meeting: Intelligent Systems in Molecular Biology (ISMB) is the flagship conference of the International Society of Computational Biology. In 2026, the meeting will be held July 12-16 in Washinton DC.

Conference web site: https://www.iscb.org/ismb2026/home More about EvolCompGen: The EvolCompGen "community of special interest" (COSI) organizes a track at ISMB each year on topics at the interface between evolution, comparative genomics, and computational biology. Our sessions have high attendance and showcase contributions in genome evolution; genome rearrangements; genomic variation, diversity, and dynam-

ics; the evolution of protein structure and function; cancer evolution and phylogenetics; population genomics; mutational models; phylogenetics and the comparative method; phylogenomics; phylodynamics; pangenomics and microbial evolution; and metagenomics.

EvolCompGen: https://evolcompgen.org/

Sincerely, Dannie Durand and Lars Arvestad Track chairs

Links: EvolCompGen: evolcompgen.org Abstract submission: https://www.iscb.org/ismb2026/call-for-submissions/abstractsISMB conference web site: https://www.iscb.org/ismb2026/home Lars Arvestad ¡arve@math.su.se¿

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# GradStudentPositions



## CPG Stockholm Pathogen Palaeogenomics

PROJECT: We are hiring a PhD student in ancient DNA who will be based at the Centre for Palaeogenetics (www.palaeogenetics.com), and enrolled at the Department of Zoology, Stockholm University. The project is aimed at investigating to what extent catastrophic black death and myxomatosis outbreaks on an isolated island affected the genomes of humans and rabbits, respectively. The project also aims to study how the microbes themselves evolved in response to the demographic and adaptive changes in the host taxa. The PhD project will be supervised by Anders G?therstr?m and Love Dal?n.

APPLY HERE: https://su.varbi.com/en/what:job/jobID:910861/where:4/ DEADLINE: April 22nd, 2026

Love Dal?n ¡love.dalen@zoologi.su.se¿

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## DeakinUni UrbanAvianSleep

PhD Opportunity: Where, when and how do birds sleep in the city?

We are seeking applicants for a fully funded PhD position investigating effects of urbanisation on avian sleep, commencing in 2026.

The project: The PhD will form part of a broader study investigating the extent to which native Australian birds avoid, tolerate, or adapt to effects of urbanisation on sleep. The design of the PhD project will depend on the candidate's input, with the opportunity to choose which component(s) of the broader study to focus on. Depending on the candidate's strengths and interests, the project may involve a combination of field research and experimental studies, including the use of miniature tracking devices to record activity and movement. The core aims of the project will include investigating impacts of urban development on the behaviour of native Australian birds, as well as trade-offs between activity and rest.

Eligibility: This opportunity is open to both domestic (Australian) and international applicants. We are looking for a highly motivated student with an excellent academic track record, including First-Class Honours (or equivalent qualification) in Zoology or Ecology. The ideal candidate will have strong scientific writing and analytical skills (preferably including proficiency in R), demonstrated ability to work independently and in a team, and a full driver's licence. Previous experience with animal handling, bird banding, and/or wildlife tracking will also be beneficial for the project, but is not strictly required.

Supervisors: The student will be primarily supervised by Dr Anne Aulsebrook and co-supervised by Professor Kate Buchanan at Deakin University (Waurn Ponds, Geelong, Australia).

Location: The successful applicant will join the School of Life and Environmental Science at Deakin University in Waurn Ponds (Geelong, Australia). Fieldwork and/or experimental work will be conducted primarily around Geelong. Some further travel for fieldwork may also be required, depending on which aspect of the broader study the PhD student focuses on.

Funding: The position is fully funded by a Deakin University Postgraduate Research (DUPR) Scholarship (for international candidates) or Research Training Program Scholarship (for domestic candidates). The scholarship includes an annual stipend ( $37,450 tax-free$) and a relocation allowance for interstate/overseas candidates. Int

To apply: Please send a CV (including 2 referees) and a brief (1-2 pages) cover letter explaining your suitability for the role to Dr Anne Aulsebrook (a.aulsebrook@deakin.edu.au) by 31 May 2026. Interviews will be arranged shortly after this, and the successful candidate will need to be in Australia and enrolled in the graduate program at Deakin University before the end of the year.

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## EstonianU BalticSeaPredatorsParasites

PhD student position: Impact of Expanding Top Predator and Definitive host Populations on Parasite Diversity and Transmission in the Baltic Sea

We are seeking a highly motivated student holding a Masters degree in Genetics, Biosciences, Molecular Biology, Ecology, Veterinary Medicine or a related field for a four-year, fully funded PhD position. The project investigates the hidden consequences of parasitism associated with expanding top predators and ecosystem engineers - cormorants and grey seals, in the Baltic Sea. By integrating molecular tools, experimental approaches, and field surveys, the study focuses on wide range of parasites with complex life cycle (trematodes, nematodes, cestodes and Acanthocephala). In this system, fish typically serve as second intermediate hosts, while birds (cormorants) and mammals (grey seals) function as definitive hosts. The central aim is to determine how recovering and expanding top predator populations reshape hostparasite interactions, enhance parasite transmission, and generate localized disease hotspots in coastal ecosystems.

The admitted doctoral researcher will be employed as a full-time junior research fellow for four years. The research will be conducted at the Estonian University of Life Sciences (Institute of Veterinary Medicine and Animal Sciences, Chair of Aquaculture, Tartu, Estonia). The PhD project is supervised by Prof. Riho Gross, Prof. Anti Vasemgi and Dr. Alfonso Diaz Suarez. The Chair of Aquaculture hosts a multinational team of researchers, PhD/Masters students, and technicians, of-

fering the applicant extensive opportunities for collaboration.

The PhD student will participate in the following research tasks: Investigate whether cormorant breeding colonies generate trematode and cestode transmission hotspots in adjacent coastal habitats, leading to elevated infection prevalence, parasite load, and diversity in first (snails and copepods) and second (fish) intermediate hosts. Investigate whether grey seal breeding and moulting colonies generate nematode, cestode, and acanthocephalan transmission hotspots, increasing infection levels in copepods (first intermediate host) and fish (second intermediate host).

Requirements: Motivation: Highly motivated, intellectually curious and sociable. Technical Skills: At least basic experience in molecular methods, basic bioinformatics and statistical skills. Fieldwork: Willingness to participate in fieldwork. Collaboration: Ability to work both independently and as part of a team. Language: Fluency in English (both written and spoken). Proof of English language proficiency is required

The following are considered as an advantage: Programming skills in R, UNIX, or other relevant languages. Experience in bioinformatics, metabarcoding, analyses of next generation sequencing data A university degree with a specific focus on genetics, molecular biology, ecology or fish biology.

How to apply: Applications should be sent to supervisors, Prof. Riho Gross (riho.gross@emu.ee) and Prof. Anti Vasemgi (anti.vasemagi@slu.se) and include a motivation letter (with academic background, research experience, interests and goals), academic CV and contact details of two references and a copy of your masters degree certificate (or expected date of obtaining the master's degree). Please use the code PhD2026 in the subject line. Submission deadline of applications to supervisors: May 10, 2026

We screen for potential doctoral candidates to whom we give a recommendation to submit their application documents in accordance with the procedures established by the university: Admission to PhD studies in Estonian University of Life Sciences: https://www.emu.ee/en/admission-to-phd-studiesDescription of Doctoral studies (PhD) in Estonian University of Life Sciences: https://www.emu.ee/en/doctoral-studies-phd Submission deadline of admission documents for non-Estonian residents: June 1, 2026. Starting date of PhD position: September 1, 2026. If you have any further questions, please contact Prof. Riho Gross (riho.gross@emu.ee).

Magnus Lauringson ¡magnus.lauringson@emu.ee¿

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## EstonianU DamsAndFishParasites

PhD student position: Man-made and Beaver Dams as Modulators of Aquatic Host-parasite Communities and Disease Landscapes

We are seeking a highly motivated student holding a Masters degree in Genetics, Biosciences, Molecular Biology, Ecology, or a related field for a four-year, fully funded PhD position. The project will evaluate the effects of man-made and beaver dams as modulators of fish parasite dynamics. Our primary focus is an emerging salmonid parasite myxozoan Tetracapsuloides bryosalmonae (Tb) and its associated temperature-dependent disorder, Proliferative Kidney Disease (PKD). For more background, please look at our recent works (Lauringson et al. 2026 Comm Biol, https://doi.org/10.1038/s42003-025-09470-1)

The admitted doctoral researcher will be employed as a full-time junior research fellow for four years. The research will be conducted at the Estonian University of Life Sciences (Institute of Veterinary Medicine and Animal Sciences, Chair of Aquaculture, Tartu, Estonia). The PhD project is supervised by Prof. Anti Vasemgi, Prof. Riho Gross and Dr. Magnus Lauringson. The Chair of Aquaculture hosts a multinational team of researchers, PhD/Masters students, and technicians, offering the applicant extensive opportunities for collaboration.

The PhD student will participate in the following research tasks: Investigate whether man-made dams & reservoirs increase Tb prevalence, infection intensity and severity of PKD symptoms at European scale. Investigate whether beaver dams increase Tb prevalence, infection intensity and severity of PKD symptoms. Investigate how man-made & beaver dams alter downstream parasite communities.

Requirements: Motivation: Highly motivated, intellectually curious and sociable. Technical Skills: At least basic experience in a molecular laboratory, alongside basic bioinformatics and statistical skills. Fieldwork: Willingness to participate in fieldwork. Collaboration: Ability to work both independently and as part of a team. Language: Fluency in English (both written and spoken).

The following are considered an advantage: Programming experience in R, UNIX, or other relevant languages. A university degree with a specific focus on genetics, molecular biology, ecology or fish biology.

How to apply: Applications should be sent to supervisors, Prof. Anti Vasemgi (anti.vasemagi@slu.se) and Dr. Magnus Lauringson (magnus.lauringson@emu.ee) and include a motivation letter (with academic background, research experience, interests and goals), academic CV and contact details of two references and a copy of your masters degree certificate (or expected date of obtaining the master's degree). Please use the code PhD2026 in the subject line. Submission deadline of applications to supervisors: May 10, 2026

We screen for potential doctoral candidates to whom we give a recommendation to submit their application documents in accordance with the procedures established by the university: Admission to PhD studies in Estonian University of Life Sciences: https://www.emu.ee/en/admission-to-phd-studiesDescription of Doctoral studies (PhD) in Estonian University of Life Sciences: https://www.emu.ee/en/doctoral-studies-phd Submission deadline of admission documents for non-Estonian residents: June 1, 2026. Starting date of PhD position: September 1, 2026. If you have any further questions, please contact Dr. Magnus Lauringson (magnus.lauringson@emu.ee).

Magnus Lauringson ¡magnus.lauringson@emu.ee¿

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## HolarU Iceland EvolutionaryGenomics

Two-year MSc position in evolutionary genomics and animal breeding of maternal traits in Icelandic Arctic charr The project focuses on computational analyses of maternal traits, including single-step GWAS of reproductive and early offspring traits, with the aim of identifying quantitative trait loci relevant for both wild and farmed populations. The study population is fully pedigreed, derived from several wild Icelandic populations, and has undergone up to 10 generations of selective breeding. Available resources include a population-specific reference genome, a haplotype panel, and low-coverage whole-genome sequencing SNP data for more than 1,000 females.

The position is based at Hi? 1/2 lar University (merging with the University of Iceland in 2026). Remote work is possible for parts of the project, but the MSc will require spending some time on site in Iceland. Applicants should hold a BSc in biology or selective breeding and have a strong interest in computational work, evolutionary biology, or animal breeding.

Preferred start date is August 2026 or earlier. Salary funding is available through a research grant.

Application deadline: 15 June 2026.

For more information about the research group and the position:

https://debeslab.com/people/ or contact Paul directly at debes@holar.is. To apply, please send a single PDF containing a CV with one referee, transcripts, and a short statement of research interests to Paul V. Debes at debes@holar.is.

Paul Debes ¡paul.debes@dal.ca¿

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## Karkow Poland InvasionGenomics

Graduate position: Institute of Nature Conservation, Polish Academy of Sciences. Invasion Genomics of forest pest species.

PhD Position funded by the Polish National Science Centre (NCN) OPUS grant nr 2025/57/B/NZ8/01241.

We invite applications for a PhD position within the project "Invasion success through genomic lens: insights from whole-genome diversity of invasive Hemiptera pests"

ABOUT THE PROJECT:

The number of emerging alien species is growing worldwide, causing damage to natural ecosystems.

A major focus in invasion ecology is to identify traits that contribute to invasion success. Genomic studies can be used to track the invasion process, reveal genomic regions involved in adaptation in the novel range and identify genome characteristics potentially facilitating invasions. In this project, we use two Hemipteran invasive insect species, Cinara curvipes and Leptoglossus occidentalis, as invasion models to unravel the genetic mechanisms behind invasion success. We will use whole genome data to get insight into population genomic dif-

ferentiation of single nucleotide polymorphism (SNP), structural variants (SV) that can have strong and immediate phenotypic effects and are often related to traits that support range expansion. We will also identify evolutionary events, such as gene family expansions or transposable element (TE) activity, that can modulate invasion success.

ABOUT THE POSITION:

The position is funded for 48 months.

Scholarship: approx. 5000 PLN monthly gross ( 3790 PLN/month net) before mid-term evaluation and 6500 PLN monthly gross ( 4930 PLN/month net) after mid-term evaluation The successful candidate will be involved in de novo sequencing, assembly and annotation of C. curvipes genome. Further, the genomes of both species will be analysed in terms of structural variation, TE content and expansions of gene families potentially related to survival outside the native range. The presence of facultative bacterial endosymbionts of both species in their native and invasive populations will also be analysed as a potential driver of invasiveness. The research will involve wet-lab work, but will be more skewed towards population genomic analyses.

The PhD student will be supervised by Dr Aleksandra Biedrzycka, an evolutionary, conservation and invasion geneticist, at the Institute of Nature Conservation, Polish Academy of Sciences in Kraki? 1/2 w. The candidate will work in collaboration with Dr Pierre Nouhaud, evolutionary geneticist of invasive pest arthropod populations, at INRAE - CBGP Marseilles, France.

REQUIREMENTS:

The successful candidate must hold a M.Sc. degree in bioinformatics, computional biology, evolutionary biology.

We seek applicants with:

- a strong interest in evolutionary and population genomics.

- experience or interest in bioinformatic analyses

- good English language, communication and organizational skills.

DEADLINE AND APPLICATION PROCESS:

Detailed information about application process can be found at:

https://www.iop.krakow.pl/files/427/mszyce_ogloszenie_phd_position_within_the_opus_2.pdf Informal inquiries should be sent to Aleksandra Biedrzycka (biedrzycka@iop.krakow.pl).

The application deadline is 7 August 2026. The PhD position will commence on 1 October 2026

We look forward to receiving your application!

Aleksandra Biedrzycka ¡biedrzycka@iop.krakow.pl¿

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## LeipzigToulouse Two AncientPathogenGenomics

I would like to advertise two PhD positions in ancient pathogen genomics funded through my ERC project?EpidemioCene ¡https://www.eva.mpg.de/press/news/article/reconstructing-the-long-term-dynamics-of-human-infectious-diseases/>. The overall aim of the project is to better understand the epidemiological history and the determinants of infectious diseases since the end of the Last Ice Age. To this end, we will undertake large-scale paleoepidemiological and phylodynamic analyses of ancient pathogen genomic data generated from large cohorts of ancient human individuals. The project is co-hosted by the Department of Archaeogenetics at the Max Planck Institute for Evolutionary Anthropology in Leipzig, Germany ¡https://www.eva.mpg.de/archaeogenetics/index/> (MPI-EVA) and the Host-Pathogen Interaction Research Unit, Toulouse, France ¡https://ihap.fr/en/> (UMR IHAP 1225 UT/INRAE/ENVT). In this context:

- PhD 1 will develop new methods to boost pathogen detection in ancient metagenomic samples. This will include a machine-learning algorithm to optimize the identification of pathogen DNA fragments in shotgun sequencing data and a hybridization capture system to enrich samples for a wide range of pathogen species. We are looking for someone with a background in bioinformatics. Some experience with machine learning or scientific software design would be advantageous. See the complete description here ¡

Interested applicants should send their application via email to arthur_kocher@eva.mpg.de by May 7th. The application should consist of a single PDF document containing a cover letter (2 pages max.), a CV, a proof of your most recent degree and up to two reference letters with the names and contact information of the referees.

Don't hesitate to contact me at arthur_kocher@eva.

mpg.de for further questions.

Best,

Arthur Kocher

arthur_kocher@eva.mpg.de

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## NatHistMuseum Berlin AvianMuseomics

Dear colleagues, Funded PhD position at the Museum fur Naturkunde Berlin, Germany

The Evolutionary Genomics & Biodiversity research group, led by Dr. Mozes Blom, invites applications for a funded PhD position. We are seeking a creative, collaborative and motivated colleague to join our team. The successful candidate will participate in a large-scale Leibniz funded research project that aims to push the boundaries of museomics and further integrate Natural History Collections in population genomics research. We are therefore looking for an enthusiastic researcher that is keen to undertake an interdisciplinary project that spans the fields of computational biology, genomics and evolutionary biology.

Human activities are a major driver of biodiversity loss, with many species facing extinction due to habitat destruction, pollution, climate change or overexploitation. North American Peregrine falcons (Falco peregrinus) are one of the most well-known examples of 20th century population decline, due to environmental pollution, but their populations have largely recovered following a ban on specific pesticides and major captive breeding and release efforts. In this PhD project, we will track changes in the genetic diversity of North American Peregrine falcon populations throughout the 20th century using a temporal genomics approach. We will use both historical and contemporary specimens to investigate how population decline and conservation efforts have shaped the genome composition of extant populations and quantify to what extent the genetic diversity of pre-1900 is still represented in current populations. Moreover, we will also explore avenues to improve our ability to obtain high-quality DNA from museum specimens by critically revising State-of-the-Art sampling methods. This research is embedded within the BirdMORE project and funded by the Leibniz Junior Research Group program.

Key Information

Start date: Summer/Fall 2026 Location: Museum fur Naturkunde, Berlin, Germany Project duration: 3 years Minimum Qualifications (see link to advertisement for further details): MSc in biological sciences, computer science or related field Background and deep interest in evolutionary biology Experience with (population) genomic data Familiar with R, Python or other coding languages Excellent knowledge of English (spoken and written) We offer: A stimulating, collaborative and open research environment Access to State-of-the-Art research facilities (incl. in-house laboratories, HPC, etc.) A long-standing collaborative network and close involvement (incl. external visits) with researchers at the Naturhistoriska Riksmuseet Stockholm (Sweden) Healthy work-life balance (incl. 30 days paid leave each year) Competitive remuneration corresponding to TV-L (E13) with company pension scheme Exciting opportunity to join us in one of the most dynamic, livable and free spirited capital cities of Europe.

Application process: Please apply using the following link https://jobs.museumfuernaturkunde.berlin/jobposting/d336fa105b57b451e0f2f310c4b961d478f4805a0

Application requirements: Please include the following A 1-2 page cover letter detailing your research background and interests Your curriculum vitae (CV) Academic transcripts and certificates Names and contact details of two academic referees

Application deadline: 17.05.2026 (Only shortlisted candidates will be contacted for interviews shortly after this date)

Informal inquiries about the position are welcome and can be directed to Dr. Mozes Blom (mozes.blom[@]mfn.berlin)

Mozes Blom Leibniz Junior Research Groupleader Museum fur Naturkunde Berlin Invalidenstrasse 43, Berlin

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## Otago NewZealand ClimateChangeImpactVertebrates

Graduate position:Otago$_{N}ew_{Z}ealand.ClimateChangeImpactVertebr$

PhD position: The impact of climate change on the New Zealand vertebrate fauna

One fully funded PhD scholarship is available to study the impact of climate warming on the New Zealand vertebrate fauna. The project is an international collaboration between the University of Otago in New Zealand, where the PhD candidate will be based, the Museum of New Zealand Te Papa Tongarewa, and the University of Copenhagen in Denmark.

Recently, Aotearoa New Zealand has been identified as a global hotspot of predicted climate driven extinctions. But are these predicted extinctions really driven purely by climate change or can its effects be mitigated by controlling drivers that act in concert with climate change such as introduced predators and anthropogenic habitat destruction? And which species are most susceptible to extinction? For a small Pacific Island such as New Zealand, these questions are of fundamental importance. They determine where best to apply limited conservation resources and can make the difference between survival and extinction of threatened species.

The candidate will investigate these questions by integrating genomic and niche modelling tools. In the process, the candidate will contribute to developing a climate extinction risk atlas for the New Zealand vertebrate fauna.

The ideal candidate will have a qualifying degree such as a BSc (Hons) or a Masters and experience in molecular ecology, genomics, bioinformatics or ecological niche modelling.

Please apply by email with a cover letter and your CV (including grade point average or comparable measure from your qualifying degree) to A/Prof. Michael Knapp (michael.knapp@otago.ac.nz) by 27/April/2026. Starting dates are flexible, with an ideal start date before the end of 2026.

About Otago: The University of Otago is one of the most research-intensive universities in New Zealand with a world-class reputation in the life sciences. It provides an environment that allows its students to undertake internationally recognized research, in a diverse and vibrant postgraduate environment and has been ranked as one of the most beautiful campuses in the world.

For any questions prior to application, please contact

?A/Prof. Michael Knapp? Associate Professor in Biological Anthropology ?Department of Anatomy? University of Otago ?Dunedin, New Zealand ?

Email: michael.knapp@otago.ac.nz

michael.knapp@otago.ac.nz

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## PrincetonU EvolutionaryBiology

Princeton's Department of Ecology and Evolutionary Biology is pleased to offer our 9th annual EEB Scholars Programin September 2026. The EEB Scholars program aims to give students seeking an academic path in Ecology and Evolutionary Biology the tools they need to confidently and successfully apply to graduate school programs. Successful applicants will be invited to Princeton's campus to attend workshops on the graduate school application and interview process; meet with faculty, graduate students, and postdoctoral researchers; gain practical experience by participating in mock interviews; and present a poster on their prior and ongoing research.

Applications forEEB Scholars 2026are now open until May 15th! The program is open to all prospective graduate students, including rising juniors and seniors, as well as international applicants. All travel and lodging costs will be covered. Please see https://eeb.princeton.edu/graduate/eeb-scholars-programand the attached flyer for more information and details on how to apply, and direct any questions to eeb.scholars@princeton.edu.

Sincerely,

Princeton EEB Scholars Team

EEB Scholars ¡eeb.scholars@princeton.edu¿

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## RBI Zagreb Croatia AdaptiveEvolutionInCaves

We are inviting applications for a fully funded PhD position at the Division of Molecular Biology, RuA?er Bo ?koviA— Institute in Zagreb, Croatia.

Our lab focuses on comparative evolutionary biology, with an emphasis on rapid adaptation in extreme environments, using cave-dwelling animals as model systems. Our research combines fieldwork, organismal biology, molecular techniques, and omics approaches to

explore both the proximate mechanisms (genetic, developmental, and physiological) and the evolutionary drivers (selection, plasticity, constraint) of adaptation.

The PhD project will investigate how phenotypic plasticity contributes to evolutionary adaptation during cave colonization, using the Mexican cavefish (Astyanax mexicanus) as a model system. It will test whether environmentally induced responses to darkness in ancestral surface fish can precede and facilitate the evolution of robust cave-adapted traits. Focusing on eye development and degeneration, the project will examine plastic and evolved changes across developmental and molecular levels to identify mechanisms underlying plasticity, maladaptation, and genetic assimilation. Ultimately, the project aims to bridge the gap between environmental change and the evolution of novel phenotypes. More information about the project can be found on our lab website (https://bilandzija.irb.hr/Projects-and-Funding) and previous publications: doi: 10.7554/eLife.51830 and doi: 10.24272/j.issn.2095-8137.2022.528.

Position details: Duration: 5 years (funding secured), includes a 6-month probation period.

Requirements: Master's degree in Biology or a related field Proficiency in English Strong interest in evolutionary biology

Preferred qualifications: Experience with NGS analysis, statistics/R Wet lab skills (e.g. staining, imaging)

What We Offer A collaborative, English-speaking research environment Access to the Institute's facilities, including a dedicated Astyanax mexicanus facility and animal caretaker Professional development opportunities, including in-house workshops No teaching obligations (optional teaching/supervision available) Funding opportunities for conferences, workshops, and research visits abroad

Full details and application instructions: https://euraxess.ec.europa.eu/jobs/417390Application deadline: 10 April 2026, 23:55 CET In your motivation letter please include: your research interests and career goals, previous research experience (if any), why you want to join our lab, and how you can contribute to our project.

Feel free to contact Dr. Biland ?ija (hbilandz@irb.hr) for any questions.

Helena Biland ?ija, PhD

Principal Investigator Division of Molecular Biology RuA?er Bo ?koviA— Institute Bijenicka cesta 54, P.O.Box 180 10000 Zagreb, Croatia

https://bilandzija.irb.hr/ Helena Biland ?ija ¡Helena.Bilandzija@irb.hr¿

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## SLU Umea ForestTreeGenomics

Department of Forest Genetics and Plant Physiology Third-cycle subject area: Biology

Description of the doctoral project As forests increasingly face challenges brought on by a rapidly changing environment, it is important to address these problems from multiple angles. There is growing awareness of the potential usefulness of genetic data in forest management, but much is unknown about the genomics of non-model plant species like many forest trees.

The McEvoy Lab draws from a variety of new approaches to develop a better understanding of how genomic diversity is distributed in forest tree species, how it has evolved, and implications for the future. Methods range from:

- studying genomic characteristics that drive genome evolution - examining variation critical for survival and fitness, such as enhanced disease resistance - assessing and characterizing genetic diversity and population dynamics - demonstrating how this information can be used to help inform conservation or breeding programs

About the position

This PhD project will focus on forest tree evolution, adaptation, and genetic diversity in forests of Sweden and beyond. You will gain training in:

- genome biology and evolutionary genomics - population genetics and conservation genomics - computational analysis of large datasets

The work will primarily be computational in nature, requiring development of a broad technical skillset. This project is ideal for candidates interested in bioinformatics, evolution, and exploring how genomics can be applied to real-world challenges.

Requirements

To meet the general entry requirements you must have been awarded a second-cycle (Master's) qualification, satisfied the requirements for courses comprising at least 240 credits of which at least 60 credits were awarded in the second-cycle, or acquired substantially equivalent knowledge in some other way in Sweden or abroad (Higher Education Ordinance 1993:100, Chapter 7, Section 39).

Specific entry requirements for the third-cycle courses and study programme in Biology. To meet the specific entry requirements, you must have at least 90 HEC in biology-related subjects, at least 30 of which at second-cycle level.

You must also meet the equivalent English language requirements as those necessary for the Swedish upper-secondary qualification Engelska B/6.

Your profile

We are looking for a highly motivated candidate with a strong interest in using computational genomics to study forests in Sweden, Europe, and beyond. A qualifying background and personal skills includes:

- A master's degree in evolution and ecology, genomics, population genetics, plant or forest sciences or a closely related field - Excellent written and oral English and general communication skills - The ability to be detail-oriented and work in a structured, quality-conscious manner - The flexibility to work independently, with self-initiative, as well as collaboratively - Ability and eagerness to learn new methods and a strong interest in developing both computational and analytical skills

Desirable qualifications:

- Experience with genomic or transcriptomic data analysis, especially of plant species - Basic understanding of genomics, evolution or population genetics theory - Evidence of technical skills and interest (e.g., writing code, using git, HPC experience) - Understanding of basic statistical methods - Demonstrated ability to review and synthesize literature into scientific concepts

About us

The Department of forest genetics and plant physiology is part of Umea Plant Science Centre (UPSC, https://www.upsc.se) which is a centre of excellence for experimental plant research and forest biotechnology in Northern Sweden. Our mission is to perform excellent and innovative basic research and generate knowledge that benefits forestry, agriculture, environment and society. We work across a wide range of disciplines in plant science reaching from cell biology to ecophysiology and from basic research to industrial applications. Our common goal is to understand the plants' ability to grow, adapt and acclimate to a changing world and how we can breed better plants.

Read more about staff benefits and life as an SLU employee on https://www.slu.se/om-slu/jobba-pa-slu/ Read more about third-cycle courses and study programmes on www.slu.se/utbildning/program-kurser/forskarutbildning/. Form of employment / Funding - Employment as a doctoral student, 4-year programme. Doctoral student's salaries are set following the local collective agreement. Salary progression is fixed.

Location: Umea

Scope: 100

Start date: Upon agreement

Application and selection: Please submit your application using the following link. The deadline is 15 May 2026.

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## StockholmU EpidemiologyMeetsSexualSelection

A graduate position is available with Jessica Stephenson (https://stephensonlab.com/) in the Department of Zoology, Stockholm University, Stockholm, Sweden.

We are looking for a highly motivated PhD student to join an international research project that investigates the role of sexual selection in epidemics. The project uses the guppy Poecilia reticulata and its gyrodactylid parasites as model organisms.

Sexual selection has two important but often overlooked consequences for epidemics. First, infectious diseases spread when individuals come into contact with each other. Reproduction is an important driver of such contacts: mate choice affects who meets whom and thus the opportunities for parasite transmission. Second, individuals who choose a mate with high parasite resistance may indirectly benefit because their offspring can inherit this resistance. If such choices consistently lead to offspring being produced with genetically most resistant partners, the parasite resistance of the population may increase over generations.

The PhD project will use data from existing experimental epidemics, artificial selection lines of guppy, AI-based behavioral tracking, mathematical modeling, and laboratory experiments to investigate how female mate choice affects epidemic dynamics. The PhD student will have a leading role in the experimental work, data

collection and quantitative analyses, and contribute to international collaborations. You can read more about our work here: https://stephensonlab.com/ ***Apply here: https://su.varbi.com/what:job/jobID:915902/ ***Eligibility requirements To be admitted to doctoral studies, the applicant must have basic and specific eligibility requirements. The eligibility requirements must be met by the application deadline. You have basic eligibility if you have completed a degree at advanced level, or have completed course requirements of at least 240 higher education credits (ECs), of which at least 60 ECTS credits are at advanced level, or have otherwise acquired essentially equivalent knowledge within or outside the country. Specific eligibility requirements are described in the general curriculum for doctoral studies in the subject of zoology. To meet specific eligibility requirements, the applicant must have at least 120 credits in biology or a similar subject, as well as at least 30 credits in independent work.

***Further information is available from Jessica Stephenson, jess.stephenson@zoologi.su.se, and at https://su.varbi.com/what:job/jobID:915902/ Jess Stephenson ¡jess.stephenson@zoologi.su.se¿

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## Tours France SexualSelectionThermalAdaptation

Three-year PhD position – start expected October 2026

TITLE Role of sexual selection in the adaptation to temperature

BACKGROUND Climate change exposes living organisms to extreme environmental conditions, in particular thermal conditions, threatening the extinction of maladapted populations. Genetic adaptation to temperature may occur by means of natural selection, favouring individuals that are most thermotolerant. Such adaptation may, however, be hampered or fostered when populations are exposed to other sources of selection. For example, sexual selection may favour individuals that are either more or less thermotolerant, thus acting synergistically or antagonistically with natural selection.

AIMS The overarching aim of the thesis project is to study the effects of sexual selection on the genetic adaptation to environmental stress through evolutionary quantitative genetics experiments, using the fruit fly, Drosophila melanogaster as a model species. The main research questions include: How does temperature change the strength of sexual selection? Are genotypes that are most thermotolerant favoured by sexual selection? Does thermotolerance evolve faster in populations exposed to a strong sexual selection regime? To tackle these questions, life history traits, behavioural traits, and ecophysiological traits may be measured in our lab, such as mate choice, mating success, siring success, and heat and cold tolerance.

PROFILE AND WORKING ENVIRONMENT This thesis requires a taste for lab work and statistical analyses, as well as a strong interest in evolutionary genetics, behavioural ecology and ecophysiology. The PhD student will enjoy a stimulating working environment in the Insect Biology Research Institute at the University of Tours through seminars, journal clubs, and discussion groups. The lab is home to fundamental and cutting-edge research in evolutionary biology, behavioural ecology, insect physiology, and physical ecology. Tours is a small town in the middle of France ( ¡1h to Paris), renowned for its quality of life along the Loire and Cher rivers, its castles, and its proximity to nature.

TO APPLY Feel free to contact us if you have any questions. To apply, please send to the two e-mail addresses below (1) a motivation letter, (2) your academic transcript, (3) a brief CV with your grades and rankings, (4) your master's report (if applicable), and (5) the e-mail address of a contact person willing to provide recommendations. The deadline is Wednesday the 15th of April.

Lucas Marie-Orleach lucas.marie-orleach@univ-tours.fr https://lmarie-orleach.github.io/ Sylvain Pincebourde sylvain.pincebourde@univ-tours.fr https://www.univ-tours.fr/annuaire/m-sylvain-pincebourde Lucas Marie-Orleach ¡lucas.marie-orleach@univ-tours.fr¿

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## UAlberta GraduatePosition

Graduate position - Ecology and Evolution of Host-parasite Interactions

A graduate research position (MSc or PhD) is available in Dr. Lien Luong's research group (https:

//grad.biology.ualberta.ca/luong/) at the University of Alberta. Our lab investigate how exposure to parasites can lead to changes in host behavior, morphology, or physiology, even in the absence of infection. These non-consumptive effects (NCE) or risk-induced trait responses can be understood in the context of the "ecology of fear". Students interested in this field or the ecology & evolution of parasite-host interactions generally are encouraged to apply.

The Department of Biological Sciences at U of A is one of the largest and most scientifically diverse departments of its kind in Canada. We offer research-orientated, thesis-based graduate programs at both the MSc and PhD levels. Study programs are tailored individually to graduate student needs and emphasize interdisciplinary thinking. All students accepted into our MSc program have guaranteed funding for at least 2.3 years and 5 yrs for the PhD program. Teaching training is provided and is mandatory for all students on graduate teaching assistantships. With 200 graduate students, ¿50 full-time faculty, excellent support facilities and ample research funding, a vibrant and exciting learning environment is provided. For more information about applying to the graduate program: http://www.biology.ualberta.ca/programs/graduate/prospective/ To apply, please send a brief explanation of your research experience and interests and a copy of your curriculum vitae to lluong@ualberta.ca. For more information, please contact Dr. Lien Luong (lluong@ualberta.ca). Application deadline for January 2027 entry is August 1, 2026; Fall 2027 entry is February 1, 2027.

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## UExeter MicrobialAMREvolution

"Graduate Position: UExeter.MicrobialAMREvolution

PhD-student position in microbial evolution and AMR at the University of Exeter and the University of Queensland.

The UQ Exeter Institute is seeking exceptional students to join a world-leading, international research partnership tackling major challenges facing the global community in sustainability and wellbeing. Our joint PhD program provides a fantastic opportunity for the most talented doctoral students to work closely with world class research groups and benefit from the combined expertise and facilities at The University of Queensland and the University of Exeter. This prestigious program provides full tuition fees, stipend, travel and development funds and Research Training Support Grants to the successful applicants.

This select group of high-calibre doctoral candidates will have the chance to study in the UK and Australia, and will graduate with a joint PhD degree from The University of Queensland and the University of Exeter. The studentship provides funding for up to 42 months (3.5 years).

THE PROJECT

Recent studies have shown that levels of antimicrobial resistance (AMR) increase at higher environmental temperatures, but we know very little about the mechanisms causing this correlational pattern. This project will use experiments, DNA sequencing, and mathematical modelling to increase our understanding of these mechanisms.

The key objective is to understand how temperature impacts the transfer rate and maintenance of plasmids in bacterial communities, which is one of the key ways that AMR spreads. Specifically, plasmid transfer should occur faster when bacteria have high growth rates and low mortality. As these microbial traits are temperature dependent, we should be able to predict plasmid transfer from the temperature response of the donor and recipient bacteria. Temperature will also change the selection for AMR. Being a plasmid-carrier can be costly in the absence of antibiotics, so the project will test how the costs and benefits of resistance traits change with temperature. If the strength of selection changes across temperatures, this may alter the rate at which bacteria evolve to overcome the costs of carrying the plasmids.

This project will take advantage of a library of Escherichia coli isolates, isolated from cattle, and a collection of plasmids that the isolates can take up. The plasmids have broad host ranges, high transfer rates, and have been found in different natural environments, making them relevant for spreading AMR in the environment. This set of isolates will be supplemented with several E. coli isolates that cause infections in humans allowing us to understand the conditions through which environmental E. coli may spread antibiotic resistance to pathogenic strains.

Below we suggest three different components of this project, but will encourage any PhD student to take ownership of the project to align it to their key interests.

OBJECTIVES

1. Understand how plasmid transfer rate changes across temperatures in environmental and clinical bacteria.

Plasmid transfer rate is linked to the growth rates of the donor and recipient bacteria. We predict plasmid transfer across bacteria to be highest close to their optimal temperatures.

2. Understand how selection for resistance changes across temperatures.We will quantify the cost of plasmid carriage and the impact of antibiotics on susceptible bacteria at different temperatures to quantify how the selection for resistance changes.

3. Understand how plasmid spread and dynamics of bacteria change across temperatures in natural communities. We will use a range of methods (metagenomic sequencing, phenotypic assays, flow cytometry, qPCR) to measure how temperature affects plasmid carriage in simple and diverse communities.

This interdisciplinary project will combine experiments, sequencing, and mathematical modelling to build and validate a mechanistic model linking temperature-dependent traits to AMR spread. Ultimately, these findings could inform mitigation strategies for AMR by informing risk prediction by identifying temperatures at which control measures targeting plasmids might be most effective and key antibiotics whose selection for resistance changes drastically across strains or temperatures.

Key references:

[1] https://doi.org/10.1098/rspb.2019.1110 [2] https://doi.org/10.64898/2025.12.03.692229 [3] https://doi.org/10.1128/msystems.00228-21
CONTACT

Questions about this project should be directed to Dr Daniel Padfield at D.Padfield@exeter.ac.uk

You can find more information about the project and how to apply here:

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## UFreiburg FishEvoDevo

PhD: UniFreiburg. Evo-Devo Timing in Medaka fish and Related Species The Emmy-Noether group of Dr. Ali Seleit at the University of Freiburg (Germany) is seeking 2 PhD candidates to investigate the genetic basis of developmental timing and size control in vertebrates.

These fully-funded DFG positions (TV-L E13, 65an exciting opportunity for evolutionary developmental biologists. The projects utilize the Japanese rice fish (Oryzias latipes) and related species to understand the fundamental mechanisms underlying developmental timing.

Methodologies highly relevant to evolutionary biologists in our lab include: Genetic hybridization: hybrid F1 and F2 families from different Oryzias species

Genomic analysis: building and annotating genomes of Oryzias species

Multi-omics: scRNAseq, proteomics, and metabolic profiling

Genome editing: CRISPR/Cas9 microinjections to generate knock-ins and crispants

Required Qualifications: Master's degree in Biology, Evolution, Genetics, or a closely related field

Hands-on experience with standard molecular biology techniques

Basic coding and computational data analysis skills (e.g., Python, R)

Highly Encouraged: Experience with aquatic model systems (medaka, zebrafish, killifish), advanced light microscopy, sequencing library preparation, or advanced computational data analysis (de-novo genome assembly, scRNAseq).

Application Deadline: 01.05.2026 Start Date: 01.06.2026 (or by mutual agreement)

How to Apply: Please submit a single PDF containing a cover letter detailing your research interests, a CV, relevant transcripts/certificates, and contact details for two academic references.

Send your application via email, citing the reference "PhD-Seleit-2026", to ali.seleit@cibss.uni-freiburg.de by 01.05.2026 at the latest.

For more information, please visit our website: http://seleit-lab.com Ali Seleit ¡ali.seleit@cibss.uni-freiburg.de¿

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## UFreiburg ForestGenetics

The CRC 1537 - ECOSENSE invites applications for a doctoral researcher (m/f/d) position at the Chair of Forest Genetics

Doctoral position (m/f/d) on Molecular stress response of trees and their microbiome

Application deadline: 20. April 2026 Start of the position: 1. Juli 2026 Arbeitsumfang: Part-time position (75

In ECOSENSE we explore new ways to quantify ecosystem processes and stress impact of climate change by developing novel sensor principles and measurement methods (https://uni-freiburg.de/ecosense/). We established a comprehensive infrastructure and sensor network in a nearby forest including three canopy access towers.

For our second phase starting this July we are seeking 15 doctoral from environmental and engineering sciences. ECOSENSE offers highly interdisciplinary research and training in a cooperative and vivid working environment.

In Subproject B4, we will investigate gene expression of trees and their leaf microbiomes in the ECOSENSE Forest to identify stress-responsive plant genes and microbial shifts. Coupled with ECOSENSE's high-resolution sensor network, expression patterns will be interpreted in the context of the microenvironment and linked to ecophysiology. In addition, we will investigate gene expression of trees in controlled climate chamber and Ecotrone experiments to address herbivore response and tree-to-tree signaling. A close collaboration with the Technical Faculty is planned to establish a microfluidic system for on-site qPCR reactions (Dr. Jacob Hess, IMTEK). The project will be jointly supervised by Prof. Dr. Katrin Heer and Dr. Cristina Zamora (University of Valladolid).

Your Task: In ECOSENSE, you will collect tissue samples for RNA extraction from trees in the ECOSENSE forest across strata, and also from the experiments, you will optimize RNA extraction protocols with our partner group led by Dr. Jacob Hess, you will carry out qPCR experiments, and analyze the RNAseq data as well as the qPCR data using Unix systems and R. You will also present and discuss your results in our working group seminar, and also at (inter)national conferences. Finally, you will publish the results in collaboration with other collaborators in ECOSENSE.

Your qualifications and contributions to ECOSENSE: You hold a Master's degree in Forest Sciences, Biology, Environmental Sciences or related fields Experience in gene expression analysis in plants or more generally, in plant genomics Good skills in laboratory work (RNA or DNA extractions, qPCR analysis) and statistical analysis Experience with field work and the ability to work under demanding field conditions (work at height at the canopy access towers) Experience in bioinformatic analysis and forest ecology or willingness to learn about both Ability to work independently and as part of an interdisciplinary team Excellent English skills Great enthusiasm for working in a large interdisciplinary project and interest in collaborative research You hold a driver's license valid in Germany.

What we offer: An exciting interdisciplinary topic with a high socio-ecological impact A salary according to TV-L E13 (75Contracts will initially run for three years with an option of extension until the end of the CRC's second phase, which will be June 2030. odern laboratory equipment and a highly qualified, multicultural team, which will cooperate with you and support you along your professional growth. The work on your dissertation will be strengthened by the CRC's own integrated Research Training Group (RTG) providing a tailored qualification program for all our doctoral candidates. Within this RTG all early career researchers will form a tight group of scientists being connected across the borders of disciplines fostering a constant and mutual exchange.

The funding of the here advertised position is still subject to the DFG's final approval for a second phase by midst of May 2026. Please upload all documents (letter of application, CV, credentials) under the submission portal of the University of Freiburg. The deadline for applications is April, 20th 2026.

For any questions regarding the position, please contact Prof. Dr. Katrin Heer. The position is initially a 3-year fixed-term contract with the possibility of extension until June 30, 2030. The salary will be determined in accordance with 13 TV-L. We will be particularly pleased to receive applications from women for the position advertised here.

Application Please send your application including sup-

porting documents mentioned above citing the reference number 00004910, by 20. April 2026 at the latest. Please upload your application document to the application portal of the University of Freiburg: https://uni-freiburg.de/stellenangebot/00004910/For further information, please contact Prof. Dr. Katrin Heer on the

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## UGeneva PhDPosition in Evolutionary Biology-Phylogenomic

Project Title ? Genomic and phylogenetic bases of evolutionary insular plant radiations, the case of the Sapotaceae in Madagascar Host Institution ? Geneva Botanic Garden (GBG) ? University of Geneva (UNIGE), Faculty of Science, Department of Plant Sciences Supervisors ? Prof. Yamama NACIRI (UNIGE, Geneva Botanic Garden) ? Dr. Charles Pouchon (Geneva Botanic Garden) Duration ? 5 years (start date: 01.09.2026) Location ? Geneva Botanic Garden Scientific Background Evolutionary radiations, defined as the rapid diversification of a single lineage into an exceptionally large number of descendant species, are considered a major driver of current biodiversity on Earth. Studies in plants and animals have identified key innovations (e.g., morphological or behavioural traits) and key environments (e.g., oceanic islands, sky islands) that correlate with radiations. However, evolutionary radiations have rarely been examined within a single family under a shared biogeographic framework, using extensive sampling and standardized molecular markers. As a result, heterogeneity in data can significantly affect phylogenetic reconstructions of diversification and biogeographic patterns. Several genetic factors have also been proposed as drivers of evolutionary radiation, including hybridization, gene/genome duplications, activation of transposable elements (TEs), and genetic drift during the early stages of radiation. Yet, most of these processes remain poorly studied, particularly in plants. This project aims to bridge this gap by investigating multiple, independent radiations within the Sapotaceae family in Madagascar, using an innovative combination of phylogenomic and genomic approaches. Building on two previous projects, we developed a targeted gene capture kit that allowed a thorough revision of the family's systematics and phylogeny, doubling the known number of species and providing a robust backbone for further research. A remarkable feature of the family is that 55This PhD project aims to deepen understanding of both extrinsic factors (environmental variables such as climate, geography, landscape, and soil) and intrinsic factors (trait syndromes, genomic changes, TE dynamics, demographic processes, adaptive evolution, gene duplications) driving these radiations. To achieve this, we will leverage previous phylogenomic reconstructions, incorporating extensive sampling ( 200 species, ¿1000 specimens), targeted gene capture for broad coverage, and whole genome sequencing for a subset of 20 species. By combining high-resolution phylogenomic data, broad taxonomic sampling, and the complementary expertise of the two principal investigators and three international collaborators in evolutionary biology and ecology, this project will establish a novel integrative framework for testing key hypotheses in insular evolutionary radiations. Additionally, the project will include outreach and educational activities to communicate evolutionary processes to the public in both Switzerland and Madagascar. Research Objectives The PhD will explore the phylogenetic and genomic drivers of evolutionary radiations in Sapotaceae in Madagascar, addressing the following research questions: ? Diversification patterns: How do the tempo, mode, and geography of diversification differ across genera radiating within Madagascar's insular environment? ? Neutral vs adaptive processes: What is the relative influence of neutral processes (e.g., small ancestral populations, genetic drift) versus adaptive processes (e.g., natural selection) on diversification? ? Genomic mechanisms: What genomic factors (e.g., transposable elements, genome duplications, gene losses, epigenetic modifications) underlie these radiations? Methodology The PhD candidate will work with a comprehensive dataset including: ? Phylogenomic data from target gene capture across 200 species and ¿1000 specimens ? Genome and transcriptome sequencing for a subset of 20 species ? Existing taxonomic, ecological, and environmental data Approaches will include: ? Field works ? Phylogenomic and divergence time reconstructions ? Collect of morphological, ecological and environmental datasets ? Comparative analyses of diversification rates across lineages by modelling trait evolution and diversification processes ? Genomes reconstruction and annotation ? Genomic analyses (TE dynamics, genome duplications/loss, adaptive evolution) Expected Outcomes ? Publications in high-impact journals in evolutionary biology and genomics ? Novel insights into the intrinsic and extrinsic drivers of evolutionary radi-

ations ? Development of an integrative framework applicable to other insular radiations ? Contribution to biodiversity research and conservation in Madagascar Candidate Profile Education

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## UGreifswald Germany DoctoralResearchAssociate

Graduate Position, Doctoral Research Associate University of Greifswald, Germany A researcher position suitable for conducting a PhD project is available at the Zoological Institute and Museum of the University of Greifswald in the Uhl lab. https://zoologie.uni-greifswald.de/struktur/abteilungen/allgemeine-und-systematische-zoologie/The position is funded for three years by the German Research Foundation (DFG) at the salary level E 13 TV-L (65One of the research fields investigated in the Uhl lab are animal reproductive strategies in an evolutionary context and anatomical and functional aspects related to reproduction and sexual selection. The position is linked to a DFG funded project on "Sperm uptake and release in male spiders: a functional, biomechanic and neurobiological perspective". Background: Animals with internal fertilization have evolved diverse structures for sperm transfer from males to females. These include spermatophores deposited externally and taken up by females, as well as specialized body parts, such as penes connected to testes. Some species have developed secondary sperm transfer devices and use modified appendages. Sperm transfer structures are highly complex and species-specific, and go beyond simple sperm delivery. This complexity makes the male genitalia important for species identification and for evolutionary biology research on sexual selection, sexual conflict, and speciation. Our research project aims to elucidate the mechanisms of sperm uptake and transfer in male spiders that use specialized palpal organs (POs). Despite nearly two centuries of observation, the functioning of spider POs remains unclear. Focusing on two species representing major spider clades, the project will employ advanced imaging techniques, biomechanical testing, and experimental manipulations to investigate the following: 1. Structural and material properties of POs, including sclerites, membranes, and sperm-bearing spermophors. 2. Roles of muscles, hemolymph pressure, glandular secretions, and innervation in sperm uptake. 3. Dynamics of sperm release from PO to female during mating. The project combines expertise in spider mating behavior, ultrastructural anatomy, and functional morphology of copulatory organs in the Uhl lab (Greifswald) with state-of-the-art methods of micromechanics in the Gorb lab (Kiel). The candidate will work closely together with another candidate working on complementary aspects in the Gorb lab. By elucidating the intricate mechanisms of sperm transfer in spiders, this study will significantly advance our understanding of arachnid reproductive biology and may inspire novel technological applications in microfluidics and related fields. Your tasks: * Plan and execute experiments to understand the dynamics of sperm uptake and release * Generate and analyse morphological data from a range of microscopy techniques (Cryo-SEM, FE-SEM and TEM) to investigate the functional morphology of sperm transfer organs in male spiders. * Investigate general and species-specific differences using a comparative approach * Collaborate with project partners, particularly with associated PhD candidate at Uni Kiel * Coordinate a team of student helpers * Publish results in scientific journals and present the work at scientific conferences on the national and international level. Your profile: * A master's degree or equivalent in biology or other biology-oriented disciplines. * A strong motivation to unravel the details of sperm storage and release mechanisms * Experience and interest in overarching questions (reproductive strategies to biomechanical functioning) * Experience and skills in independent scientific work, ideally conducted using morphological methods and imaging (SEM, TEM, CT). * Comfortable when working in a team and good communication skills * Reliability and skills in project management * Fluent in English, both written and spoken. Advantages for you: * You will work on a state-of-the-art research project in an internationally recognized research laboratory with an excellent infrastructure and a friendly atmosphere. * You closely work together with another group of experts and thus expand your network * You will be able to participate in conferences and workshops * University of Greifswald offers participation in a qualification program to gain additional qualifications during your doctoral studies. * Greifswald is a historic city on the Baltic Sea coast in north-east Germany. Its large student population contributes to a vibrant and dynamic social atmosphere. Greifswald offers a high standard of living with affordable costs, with most destinations reachable by bicycle. How To Apply:

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## UMontpellier HumanBehavioralDefensesAgainstDisease

2 PhD opportunities - human disease avoidance - Montpellier (France) Two funded PhD positions are available for October 2026 in Montpellier (South of France), jointly hosted by the Institute of Evolutionary Sciences of Montpellier (ISEM) and the Centre for Environmental Economics of Montpellier (CEEM). Both projects investigate the mechanisms underlying human behavioral and physiological defenses against disease. They focus on how the perception of disease-related cues shapes avoidance behaviors and immune responses, and how these processes vary across individuals. The projects are interdisciplinary, at the interface of evolutionary biology, psychology, and immunology, and rely on experimental approaches in humans. 1. Sensory cues of disease and social avoidance This 3-year PhD is part of the SOCIAL-EXPO project (CNRS; PI: Arnaud Tognetti), which aims to integrate behavioral, physiological, and immune responses to subtle cues of disease. The project combines experimental behavioral paradigms with physiological and immunological measures ( see link below for more info). Supervisors: Marie Charpentier, Camille Ferdenzi & Arnaud Tognetti Start date: October 2026 Application deadline: May 4, 2026 Link: https://emploi.cnrs.fr/Offres/Doctorant/UMR5211-ARNTOG-001/Default.aspx?lang=EN2. Disgust, food avoidance and immune responses This 4-year PhD is part of the ExposUM Doctoral Nexus program (University of Montpellier). The project investigates how disgust sensitivity and perception of foodborne pathogen risk influence food avoidance behaviors and immune responses, using experimental approaches in human participants. More information here: https://www.umontpellier.fr/en/articles/exposum-doctoral-nexus-sujets-de-these-2026-ouverts-a-candidatures (see second thesis of the SENS-ALIM project). Supervisors: Marie Charpentier, Cecile Sarabian & Arnaud Tognetti Start date: October 2026 Application deadline: May 20, 2026 Link: https://euraxess.ec.europa.eu/jobs/422430Informal inquiries are welcome (arnaud.tognetti@montpellier.fr)

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## UppsalaU DeepLearningBehaviour-Transcriptomics

A graduate position is available with Alberto Corral-Lopez (https://albertocorralscience.github.io) in the Department of Ecology and Genetics, Uppsala University, Uppsala, Sweden. We are looking for a curious and rigorous PhD student to join a research project investigating the molecular and neural mechanisms underlying the diversification of mating behaviors in water striders. Several species in this group have independently evolved a mating strategy in which males defend territories and use water surface ripple signals to court females, who actively assess partner quality. This natural variation offers a powerful framework for uncovering how gene regulation in the brain drives behavioral innovation. A central aim of the project is to develop and optimize a deep learning-based behavioral quantification pipeline in this insect family, which will serve as a core methodological resource across the research program. The student will evaluate available tools and establish a validated, reusable protocol for individual-level behavioral scoring across multiple experiments and species. Building on this pipeline, the student will conduct behavioral experiments manipulating environmental contexts and integrate the resulting data with brain transcriptomics to identify gene expression patterns associated with flexible mating decisions. The ideal candidate has strong quantitative and computational skills with demonstrated experience in R and/or Python, and a genuine interest in applying these to biological questions. A solid background in evolutionary biology or animal behavior is expected. No prior animal-handling expertise is required; training will be provided. Experience with deep learning tracking tools (e.g., DeepLabCut, idtracker.ai, simBA), RNA-seq analysis and/or molecular lab experience is an advantage but not a requirement. The position is fully funded for four years, starting September 2026 or as agreed. **Apply here: https://uu.varbi.com/what:job/jobID:922364/**For further information contact Alberto Corral-Lopez: alberto.corral@ebc.uu.se

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## UppsalaU EvolutionaryEcolGenetics

PhD-student position in Evolutionary and Ecological Genetics at Uppsala University.

Do you want to conduct frontier research in an outstanding environment within evolutionary biology at Swedens largest faculty of science and technology? The Department of Ecology and Genetics at Uppsala University conducts world-leading research in biology, spanning from molecules to ecosystems and global biodiversity patterns. We are now looking to recruit a PhD student who wishes to develop their research career together with us.

The Department of Ecology and Genetics (IEG) at the Evolutionary Biology Center (EBC) is an international environment with staff that conducts research to understand ecological and evolutionary processes across all levels of biological organization. IEG provides access to advanced national and local research infrastructures, including free super computing resources (NAISS) and the latest molecular technologies and sequencing platforms (SciLifeLab platforms). IEG hosts a Climate Lab with controlled environmental chambers and greenhouses, a state-of-the-art molecular lab, and animal rearing facilities. PhD-students at IEG take courses free of charge to further their development with general academia and the specific research field. They can also join the PhD school which provides ample opportunities for networking on and off campus with PhD-students from the other two biology departments at Uppsala University (Organismal Biology, Cellular and Molecular Biology).

The position is offered by the research program in Animal Ecology at IEG. The programs current research spans population genomics and quantitative genetics, local adaptation, biotic interactions, the evolution of life histories, speciation, sexual selection, conservation genomics, as well as macro-ecology.

Duties A central question in evolutionary biology is whether evolution is repeatable, and whether the same genes contribute to repeated phenotypic adaptations. This question has important implications for predicting genetic responses to changing environments. Recent studies show that while phenotypic evolution is often repeatable, the underlying genes involved can be less predictable. This poses a challenge for using genomic data to predict a species evolutionary potential. This project will address this challenge by integrating mechanistic insights about phenotypic adaptation with genomic data to understand how species evolve adaptations to changes in their environment.

The PhD candidate will work with the main supervisor David Berger and with the co-supervisor, SciLifeLab fellow Dr. Gabriela Montejo-Kovacevich, both at IEG. The project will leverage data from a large-scale Evolve-and-Resequence experiment in a cosmopolitan insect pest, the seed beetle Callosobruchus maculatus. This system allows us to study the roles of determinism and chance in the evolution of an organisms environmental tolerance and ecological niche breadth. Extensive phenotypic, RNA-seq, and DNA pool-seq data are available from multiple time points in the experiment, which is still ongoing. The Berger lab maintains several other C. maculatus strains sampled across its global distribution and closely related seed beetle species. This provides opportunities for comparative genomics and additional experiments and data collection if the candidate wishes to further develop the project.

The PhD project will involve a combination of experimental and molecular laboratory work and bioinformatic analysis, with emphasis on the latter. The exact balance between tasks may depend on the candidate's interests and the project's development. The successful candidate is expected to collaborate with other researchers in the Berger and Montejo-Kovacevich groups, as well as researchers from two other groups working on seed beetles at IEG.

PhD students at the Institute of Ecology and Genetics (IEG) have the option to engage in teaching and to develop their pedagogic CV by taking courses. The type and level of teaching will depend on availability and the student's interests but cannot exceed 20employment. Teaching responsibilities will primarily involve assisting in undergraduate courses within the biology section. The position and funding is extended by the time the student has engaged in teaching.

Further reading: Rgo, Alexandre, Julian Baur, Camille Girard-Tercieux, Maria de la Paz Celorio-Mancera, Rike Stelkens, och David Berger. Repeatability of Evolution and Genomic Predictions of Temperature Adaptation in Seed Beetles. Nature Ecology & Evolution, 2025, 114. https://doi.org/10.1038/s41559-025-02716-5. Burc, Estelle, Camille Girard-Tercieux, Moa Metz, et al.. Life-History Adaptation under Climate Warming Magnifies the Agricultural Footprint of a Cosmopolitan Insect Pest. Nature Communications 16, (2025):

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## UppsalaU EvolutionaryGenomics

PhD position in evolutionary genomics

Would you like to conduct research on the evolution of sex chromosomes and sex ratio, supported by skilled and friendly colleagues in an international environment? Are you looking for an employer committed to sustainable working conditions and offering secure and advantageous terms of employment? You are welcome to apply for a PhD position at the Department of Ecology and Genetics at Uppsala University!

The Department of Ecology and Genetics ¡https://www.uu.se/en/department/ecology-and-genetics>(IEG) is part of the Evolutionary Biology Centre (EBC) ¡https://www.uu.se/en/campus/evolutionary-biology-centre/about-ebc>, a vibrant and internationally recognized hub for evolutionary and ecological research. At IEG, we work at all levels of biological organization (from molecules to ecosystems) and study systems (plants, animals, fungi, bacteria, etc.). The Program for Plant Ecology and Evolution ¡https://www.uu.se/en/department/ecology-and-genetics/research/plant-ecology-and-evolution>,where this position is located, is home to eight research group focusing on genomics, adaptation and speciation as well on community ecology. Researchers have access to excellent glasshouse and climate-controlled facilities, fully state-of-the-art molecular labs and a high-performance computing cluster ¡https://www.uu.se/en/centre/uppmax>(UPPMAX). The Department works closely with the national infrastructure facility SciLifeLab ¡https://www.scilifelab.se/>. Our PhD students are part of the Biology PhD School ¡https://www.uu.se/en/department/ecology-and-genetics/study/biology-phd-school>that brings together students from multiple departments and organizes symposia, courses, newsletters, and science meetings for PhD students. We value collegial support and work actively to prepare our PhD students for a continued career in academia or elsewhere.

This position offers an exciting opportunity to develop a broad and modern skillset while contributing to new insights in evolutionary genomics.

Information on qualifications needed and on how to apply: https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=888295 For further information about the position and project, please contact: Prof. Sophie Karrenberg, +46768207578, sophie.karrenberg@ebc.uu.se

Application by deadline 30 April 2026, UFV-PA 2026/883 (short prolongation may be possible)

N?r du har kontakt med oss p? Uppsala universitet med e-post s? inneb?r det att vi behandlar dina personuppgifter. F?r att l?sa mer om hur vi g?r det kan du l?sa h?r: 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 Sophie Karrenberg ¡sophie.karrenberg@ebc.uu.se¿

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## URennes SoilMicrobeEvolution

PhD position in ecology and evolution - 3 years

Climate change-induced heat and drought act as strong filters on soil microbiomes, selecting for stress-tolerant taxa and reshaping functions like those involved in carbon and nitrogen cycling.

University of Rennes, CNRS, UMR 6653 ECOBIO (https://ecobio.univ-rennes.fr/)

Supervision: Prof. Philippe Vandenkoornhuyse and Dr Stephane Derocles

Contact: philippe.vandenkoornhuyse@univ-rennes.fr; stephane.derocles@univ-rennes.fr

Start date and duration: October 2026 for 3 years

Project summary: Climate change-induced heat and drought act as strong filters on soil microbiomes, selecting for stress-tolerant taxa and reshaping functions like those involved in carbon and nitrogen cycling.

Plant microbiota is largely recruited from soil and play a major role in plant nutrition, stress tolerance, and productivity. Consequently, any changes in soil microbial communities may affect plant microbiota and have important consequences on agroecosystems Effects of drought and heat on soil microbial communities is well-

documented. However, the population selection processes are still unknown. In this PhD project, we aim to address this gap by testing the following 3 hypotheses:

1) Exposure to heat and drought is expected to reduce soil and plant microbial richness and diversity while increasing the relative abundance of generalist microorganisms

2) Microbial responses to stress are hypothesized to be highly heterogeneous, even among genetically identical cells. This heterogeneity would be driven by differences in gene expression, growth rate, metabolic state, and local interactions.

3) Selective advantage for this heterogeneity would rely on division of labor, subpopulations with slower growth or altered gene expression and microbe-microbe interactions as well as cross-feeding.

To test these hypotheses, the project will combine sampling (soil and plant) from a long-term field experiment to single-cell DNA and RNA sequencing approaches. These high-resolution approaches will be used to resolve cellular heterogeneity, rare taxa, and functional dynamics. By removing the locks from bulk methods, single-cell sequencing represents a promising new challenge to explore eco-evolutionary processes in microbial communities.

A full description of the project can be found here: https://amethis.doctorat.org/amethis-client/prd/consulter/offre/3087 To apply, please send an academic CV, copies of academic diplomas (BSc and MSc) and a letter of motivation before May 14th to Philippe Vandenkoornhuyse and Stephane Derocles (philippe.vandenkoornhuyse@univ-rennes.fr; stephane.derocles@univ-rennes.fr)

– Stephane Derocles Maitre de conferences ECOBIO UMR 6553 CNRS - Universite de Rennes Campus de Beaulieu, Bat 14a, porte 238 263 Avenue du General Leclerc 35042 Rennes Cedex

Stephane Derocles ¡stephane.derocles@univ-rennes.fr¿

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## UTriesteItaly BiodiversityEvolutionaryGenomics

PhD position in molecular evolution and biodiversity A PhD position in "Computational analysis of molecular evolution and genomic interactions in complex biological systems" is available at the University of Trieste, Italy. The PhD student will apply and develop analytical methods to leverage genomic data and obtain biodiversity estimates from large genomic datasets - including metagenomic and comparative genomic datasets. We are looking for a student motivated to explore biodiversity patterns using genomes from across the tree of life, and to learn how to develop and implement evolutionary models to describe genetic functional variation in wide phylogenies and in complex biological communities. We are particularly interested in students with bioinformatic experience, or specific knowledge in comparative genomics, population genetics or phylogenetics; and more importantly, students with a keen interest in developing tools for the biodiversity community and quantitative methods in ecology, evolution and biodiversity. Computational experience in programming/scripting (R, python and Linux) is very welcome, but not strictly necessary. The main requirement for the position is a Master Degree in Biology or related disciplines. Italian or English proficiency are required. Students will be expected to start in November 2026. The position is part of the new PhD School in "Biodiversity, Evolution and Adaptation" at the University of Trieste, and is funded by a Scholarship MUR/University co-financed by the Department of Environmental Life Sciences with funds from Horizon Europe - Programma Quadro 2021-2027. The PhD will be carried out at the Department of Life Sciences in Trieste, a culturally rich coastal town in North-Eastern Italy, close to Slovenia, Austria and the Balkans, ideal for lovers of coffee, sea and hiking. The deadline for the application is on the 25th of May. More information can be found here: https://portale.units.it/en/research/research-training/phd-programmes/biodiversity-evolution-adaptationFor more information and expressions of interest, please contact: "Fabrizio Mafessoni" ¡fabrizio.mafessoni@units.it¿ https://fabrimafe.github.io/or "Alberto Pallavicini" ¡pallavic@units.it¿

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## UZurich PlantInsectCoadaptation

PhD position in plant-insect coadaptation

A PhD position in plant-insect coadaptation is available from 1stof July 2026 in my group at the Department of Systematic and Evolutionary Botany, University of Z?rich, for a period of four years. The position is to study patterns and mechanisms of coevolution between plants and animals, using wild radish (Raphanus raphanistrum) and its pollinating-herbivore, Pieris rapae,as a model system. In this SNF-funded project, greenhouse experiments will be combined with field work and lab-based analyses to study coadaptation between Raphanusand Pierisand their underlying mechanisms in natural populations in Switzerland.I am looking for a highly motivated PhD candidate to join my team working on evolutionary questions in the context of plant-insect interactions. I offer a vibrant, collaborative work environment and high-quality supervision. Several of my past PhD students have published as first authors in the highest-ranking journals such as Science, Nature Communications, New Phytologist, Functional Ecology, etc.; many have consecutively attained Post-Doc positions at renowned academic institutions. You should have a Master (or comparable) degree in any field of biology and a thorough interest in evolutionary biology; proficiency in English, both orally and written, is also required. Prior experience in working with plants and/or insects, genomics analyses, and scientific publishing is an advantage. You should like to work in the greenhouse and/or in the field have some lab experience. Our department is located in the University Botanical Gardens and houses modern molecular and ecological labs, including greenhouses and climate chambers for plant cultivation. The University of Z?rich has a broad research coverage of organismal and molecular biology, and several research groups work on evolutionary topics (www.lifescience-zurich.ch). The city of Z?rich also offers excellent quality of life as well as an attractive surrounding for outdoor sports. If you are interested in the job, please send me by e-mail (florian.schiestl@systbot.uzh.ch) a letter describing your motivation, CV, copy of degrees, publications (manuscripts), and e-mail addresses of two academic referees, by 30thof May 2025 (the job will remain open until filled). Please send all documents in a single file. If you have any further questions, don‘t hesitate to contact me.

"Florian P. Schiestl" ¡florian.schiestl@systbot.uzh.ch¿

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# Jobs

## ColoradoStateU TeachingEvolutionaryBiol

The department of Agricultural Biology at Colorado State University is looking for full time instructor faculty in the areas of entomology and/or plant pathology, weed science. Apply here: https://csusystem.wd12.myworkdayjobs.com/en-US/fortcollins_careers/details/Instructor-or-Senior-Instructor--CCAF-_R2026102088 Marek Borowiec

Marek Borowiec ¡petiolus@gmail.com¿

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## Dartmouth NH LabManager EvolGenetics

The Behrman Lab (https://behrman-lab.org) at Dartmouth (Hanover, NH) is seeking an enthusiastic and highly motivated Lab Manager to join our team. The Lab Manager provides operational and technical support for research focused on evolutionary genetics and the molecular mechanisms underlying adaptation. The lab uses integrative approaches that combine organismal biology, genetics, molecular biology, and neurobiology, with a primary model system of Drosophila melanogaster.

This role is well suited for an individual seeking hands-on experience in a research laboratory environment and possibly publications before prior to pursuing graduate study, or for someone interested in developing a career in academic laboratory management.

The ideal candidate will have excellent organizational skills with attention to detail, ability maintain detailed records of experiments and capacity to accurately complete work independently with good judgment and time management. Previous educational and work experience should illustrate a good work ethic and interest in scientific research.

Competitive candidates will have strong scientific reasoning, excellent communication skills, and enthusiasm for working with a diverse team. Previous experience with Drosophila husbandry and genetic crosses and with basic molecular biology techniques (e.g., DNA extractions, PCR, RNA) is favorable but not a requirement.

Location: Dartmouth College, Hanover, NH Contract: 1 year with opportunity for renewal Salary: $52 - 60,000 depending on experience Start: Summer 2026

Please apply here: https://searchjobs.dartmouth.edu/postings/85137/ Applications will be reviewed until filled.

Emily L. Behrman (she/her) Assistant Professor Department of Biological Sciences Dartmouth College Hanover, NH 03755

email: Emily@Dartmouth.edu lab website: https://behrman-lab.org/ "Emily L. Behrman" ¡Emily.L.Behrman@dartmouth.edu¿

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## Flagstaff Arizona MolEcolGenomics

Research Assistant / Lab Manager - Molecular Ecology & Genomics (Flagstaff, AZ)

The Walker Lab in the School of Forestry and the Pathogen and Microbiome Institute (PMI) at Northern Arizona University is seeking a highly motivated Research Assistant to support and help manage molecular research in vertebrate genetics. The position centers on the Species from Feces (SFF) program (https://nau.edu/sff/), which uses DNA metabarcoding to detect bats and other wildlife species–and their diets–from fecal and airborne environmental DNA.

This role is ideal for an MS-level scientist or experienced post-baccalaureate interested in a laboratory management-oriented position with substantial hands-on molecular work. The Research Assistant will take primary responsibility for standardized laboratory workflows including DNA extraction from diverse sample types (feces, air, soil, water), PCR/qPCR, and Illumina library preparation for DNA metabarcoding. Additional responsibilities include maintaining laboratory organization and documentation, assisting with SOP development, mentoring undergraduate researchers, coordinating sequencing runs, and contributing to client reports and peer-reviewed manuscripts. The position offers meaningful intellectual and technical engagement in applied molecular ecology, conservation genomics,

and wildlife surveillance, with opportunities for co-authorship and professional skill development in a collaborative BSL-2 research environment.

A Bachelor's degree is required; a Master's degree in Biology or a related field is preferred, particularly for candidates interested in longer-term lab management, mentoring, and project coordination.

Location: Northern Arizona University, Flagstaff, AZ (on-site) Salary: 51,085−58,066, commensurate with experience Start date: June 1, 2026 Application deadline: April 20, 2026

Apply via NAU HR: Research Assistant - Flagstaff, Arizona, United States

Contact: Dr. Faith M. Walker Associate Research Professor Northern Arizona University Faith.Walker@nau.edu https://nau.edu/batdna/Faith M. Walker Lab ¡https://www.walkerlab.us/> Faith Marguerite Walker ¡Faith.Walker@nau.edu¿

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## Lecturer UKentucky

Please see below info for a lecturer/senior lecturer in Agricultural Sciences at the University of Kentucky. Although the job website specifies the department of Plant and Soil Sciences, this is a flexible position within the college and the successful applicant may alternatively be a member of the department of Entomology. This position is open to a wide variety of disciplines, so if you have any skillset within biotechnology, genetics, plant/animal sciences, entomology, or related fields AND a passion and demonstrated excellence in undergraduate instruction, you are who we are looking for. Happy to answer any questions about the position.

Cheers, Julian – Julian R. Dupuis, Ph.D. Associate Professor, Department of Entomology Gaines Teaching Faculty Affiliate University of Kentucky (859) 562-2544 julianrdupuis.com

https://ukjobs.uky.edu/postings/626760 Responsibilities: This is a 12-month, non-tenure eligible Lecturer appointment with approximately 80

Instruction: The lecturer will provide core and specialized instruction for the Agricultural & Medical Biotechnology (AMBT) program and supporting programs (Agricultural Ecosystem Sciences/Entomology) depending on the applicant's specialty. Key teaching assignments include:

. ABT 101: Introduction to Biotechnology (1 Cr, Fall) . ABT 180: AI in Life Sciences (3 Cr, online asynchronous) . ABT 301: Writing and Presentation in the Life Sciences (2 Cr, Fall and Spring) . ABT 360: Genetics (3 Cr, Fall and Spring) . ABT 361: Genetics Lab (1 Cr, Fall and Spring; two lab sections each) . AFE 100: Agriculture and Food Systems (3 Cr, Fall; one section) And depending on the applicant's specialty, either . AES 3–: Plant Biotechnology or Modern Breeding (3 Cr, Spring) OR . ENT 3–: Forensic Entomology (3 Cr, Spring) with a genomic and AI focus

Career & Professional Development Mentoring: Serve as a primary Career and Professional Development mentor with specialization for pre-med students, guiding health-related research engagement at UK and as the AMBT leadership member, supporting recruitment, outreach materials, and student success initiatives across AMBT.

Service: As a land-grant university, service to department, college, university, professional societies, and the public is expected.

QUALIFICATIONS: Applicants must have earned a doctorate in a relevant life science discipline (e.g., biotechnology, genetics, plant/animal sciences, entomology, or related fields). Preferred qualifications include demonstrated excellence in undergraduate instruction; experience mentoring undergraduates (especially pre-health); strong written and oral communication; and the ability to design, deliver, and assess laboratory-based courses. Experience with curriculum development in genetics with laboratory, biotechnology, plant breeding, forensic entomology, and/or applications of AI in life sciences is desirable. Evidence of strong organizational skills and the ability to work in collaborative, interdisciplinary environments is essential.

Rank and Salary: The rank of this position is at the Lecturer or Senior Lecturer level. Salary is negotiable and is commensurate with training and experience. Employment at UK is subject to fund availability and comes with rewards, focusing on total well-being and career development, with leadership striving to provide a strong work-life integration. The university generously contributes to employees' retirement plans, medical coverage, and life insurance. In addition, UK offers optional benefits such as dental and vision insurance, additional retirement plans and much more. Further information about benefits provided to faculty by the University of Kentucky is posted on the following website https://hr.uky.edu/employment/our-benefits. THE ENVIRONMENT: The AMBT program is an in-

terdepartmental undergraduate program supported by the Martin-Gatton College of Agriculture, Food and Environment (M-G CAFE) with instructional contributions from Plant and Soil Sciences, Plant Pathology, Entomology, Horticulture, and Veterinary Science. The program emphasizes hands-on independent research, individualized coursework, and extensive mentoring.

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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

## NortheasternU TeachingEvolutionaryMarineBiol

The Department of Marineand Environmental Sciences at Northeastern University in Boston, Massachusetts invites applications from qualified candidates for a full-time, non-tenure track teaching faculty position with an anticipated start date of September 2026. The faculty member will teach courses that serve both our BS and MS degrees in Environmental and Sustainability Sciences, Ecology & Evolutionary Biology, and MarineBiology as well as students from other programs (e.g., Biology) interested in Marineand Environmental Sciences.We seek broadly trained candidates with expertise in marinebiology, ecology, evolutionary biology, experimental design, and data analysis.

https://northeastern.wd1.myworkdayjobs.com/careers/job/Boston-MA-Main-Campus/Assistant-Associate-Teaching-Professor--Marine-Biology_R138883 Application review will begin on March 31, 2026, and will continue until the position is filled. Questions may be directed to the chair of the search-committee, Associate Professor Katie Lotterhos,

k.lotterhos@northeastern.edu

"Lotterhos, Katie" ¡k.lotterhos@northeastern.edu¿

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## PrincetonU ResTech MosquitoEvolBehaviorGenetics

The McBride Lab at Princeton University (http://mcbridelab.princeton.edu) is looking for a lab technician to support research on mosquito behavior, genetics, and evolution starting in mid/late summer 2026. The technician will devote 70 30welcomed as a full lab member, attending journal clubs and lab meetings and contributing to a dynamic and interactive lab atmosphere. This is an opportunity to become deeply involved in exciting research at the interface of evolution, genetics, and neuroscience and is well-suited for a recent college graduate looking for more experience/focus before graduate school.

Research project activities may include:

- Mosquito breeding and behavioral experiments - Generation of transgenic strains using CRISPR/Cas9 - Molecular biology studies including DNA/RNA extraction, PCR, cloning

Essential Qualifications:

The interested candidate should have a bachelor's degree in biology or related field and previous experience in a research laboratory (beyond lab classes). Previous experience rearing insects, studying behavior, and/or carrying out molecular biology protocols in a research setting is strongly preferred. A demonstrated interest in evolution, neuroscience, genomics and/or behavior is also preferred. It is essential that candidates be highly organized, detail-oriented, and demonstrate enthusiasm for working and communicating with others in a collaborative lab setting.

Princeton University is an Equal Opportunity Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Contact Lindy McBride at csm7@princeton.edu with questions/resume or directly apply here ¡https://research-princeton.icims.com/jobs/21661/research-specialist-i/job>. Lindy McBride ¡csm7@princeton.edu¿

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## StonyBrookUniversity Turkana-aBasinInstituteDirectorPosition

Dear Colleagues:

The Turkana Basin Institute (TBI) and Stony Brook University (SBU) seek an experienced leader and accomplished scientist who will continue to grow TBI's research infrastructure, ensure its continued preeminence in the paleosciences, and the further expansion of its broad regional education activities. Leveraging its partnership with Kenyan officials and communities, along with philanthropic funding, SBU has supported TBI in becoming an internationally recognized research and educational field station. TBI is a core element of Stony Brook University's international footprint, and the next Director will have the opportunity to lead an institute rich in history and scientific accomplishments. Reporting to the Provost of Stony Brook University, the Director serves as TBI's chief administrative officer, scientific thought leader, lead fundraiser, and relationship manager. The Director oversees all of TBI's activities across its various locations and works closely with the CEO of TBI Kenya to ensure that onsite operations and infrastructure run smoothly. The success of the next Director will be determined by their ability to build and enhance TBI's research and education programs; fundraise; maintain strong collaborations with Stony Brook University and Kenyan stakeholders; and mentor and develop the next generation of African paleoscience researchers. The Director should bring strong scientific credentials; experience with field work in international settings; the ability to communicate scientific research to broad audiences; and the acumen to work with a diverse array of stakeholders in the U.S. and abroad. To apply, nominate and/or inquire about the position, please visit: https://www.imsearch.com/open-searches/turkana-basin-institute-stony-brook-university/director (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## ThreeInstructorPositionsatUniversityofLouisiana Lafayette

Emergency Temporary Instructor- The School of Biological Sciences has multiple openings for Emergency Temporary Instructors. These positions require a minimum of a MS degree. The candidate would be expected to teach Introductory Biology at the non-major and major level, in combination with courses such as Field Techniques, Principles of Ecology, Diversity/Systematics, or laboratory sections of Anatomy and Physiology. The teaching load will be equivalent to 15 credits. Courses with large enrollments count as double credits (i.e. 6 credits for a large 3 credit course), some laboratory coordination duties may also contribute to the course load. The work expectation is equivalent to an 80Salary commensurate with experience. Successful applicants will have a robust academic record, and will be active educators in their discipline, cultivating a student body that is intellectually curious and civically engaged. Faculty members should pursue innovation informed by best practices and serve as advisors and mentors to students to encourage success. Applicants should provide a cover letter, curriculum vitae, contact information of 3 references, and a statement of teaching interests. To ensure full consideration, applications should be received by May 15th. These materials should be emailed as a single pdf file to sophie.plouviez@louisiana.edu. Appointment will be contingent upon verification of eligibility to work in the U.S. and is expected to begin August 1, 2026. The University of Louisiana at Lafayette does not discriminate on the basis of race, color, national origin, age, religion, sex, sexual orientation, or disability in admission to, access to, treatment in, or employment in its programs and activities as required by Title VI and Title VII of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Age Discrimination Act of 1975, the Equal Pay Act of 1963, Title IX of the Education Amendments of 1972, Executive Order 11246, Section 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and the 1990 Americans With Disabilities Act. - See more at: http://personnel.louisiana.edu/employment-opportunities/policy-nondiscriminationA Member of the University of Louisiana System

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## UAlabamaBirmingham ResTech AgingEvolutionaryGenomics

We are hiring a laboratory researcher / coordinator to work in my primate genomics lab–the Primatology Alabama (PrimAL) lab–in the Department of Biology at the University of Alabama at Birmingham (UAB). Interested applicants can apply through the official job posting: https://uab.taleo.net/careersection/ext/jobdetail.ftl?job=T235391 The ideal candidate is a highly motivated individual with a minimum of an undergraduate degree and experience in genetics, next-gen sequencing, and/or other molecular biology labwork. The position would be well-suited for a recent graduate who is interested in gaining expertise in functional genomics and aging research before going to graduate school. Our lab is highly interdisciplinary and is a good fit for individuals with training in biology, genetics/genomics, ecology/ethology, anthropology, psychology, neuroscience, or related fields.

Located in Birmingham, Alabama, the PrimAL Lab studies the intersection of sociality, ecology, genomics, and health in primates. We are interested in the biological and evolutionary underpinnings of health and aging, focusing on (1) how social experiences and other environmental stimuli influence health disparities by altering physiology, physiology, and aging; and (2) how population dynamics and natural selection influence physiology and health.

Ongoing projects in our lab include those understanding:

1) how evolutionary, genetic, and socioecological differences among species influence the trajectory of epigenetic aging among primate species, 2) how social experiences influence the trajectory of gene expression aging in the primate brain, 3) how dietary differences shape gene expression aging in microglia and other brain cells of the primate brain, 4) how aging is associated with declining musculoskeletal function via gene regulation and gene expression in primate cartilage.

More information is available on our website: https://primallab.org Birmingham, Alabama is an innovation hub of the South and was recently ranked as the 6th best place to live in the United States on Livability's 2026 index (see https://livability.com/al/birmingham/?top-100=2026), reflecting the city's upward rise, vibrant and cosmopolitan culture, and high quality of life.

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## UCollege London ResTech sedaDNA

Research Technician in Ancient /sedaDNA

Project:Time-Travelling through Lake Sediments

Location: University College London, UK

Contract: 1 year.Fixed-term role available from1 July 2026 to 30 August 2029 (flexible start date).

Working type: on-site

Salary:?36,433-?41,833

Closing date: 15-May-2026

We are seeking a talented research technician to join an innovative project using lake sediment DNA to uncover how ecosystems and populations respond to environmental stress over the past 300 years. The research technician will be responsible for laboratory procedures associated with extracting DNA from subfossils and ancient lake sediments, building genomic libraries, and carrying out PCR amplification for metabarcoding workflows. This will involve working with low-concentration and degraded DNA, applying strict contamination control procedures, and using standard molecular biology techniques such as PCR and sequencing workflows.

You will be embedded in an intellectually vibrant, interdisciplinary environment at UCL and NHM, working with:

Prof Julia Day (https://profiles.ucl.ac.uk/1268-julia-day)

Dr Selina Brace (https://www.nhm.ac.uk/our-science/people/selina-brace.html)

How to apply and further information

Please apply via the UCL jobs website: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?nPostingId=17915&nPostingTargetId=43445&id=Q1KFK026203F3VBQBLO8M8M07&LG=UK&languageSelect=UK&mask=ext Informal enquiries very welcome! Email:

Julia Dayj.day@ucl.ac.uk

Professor of Zoology

Department of Genetics, Evolution and Environment

University College London

Julia Day ¡j.day@ucl.ac.uk¿

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## UKansas LabTech ComplexTraits

A research assistant / lab technician position is available in my lab at KU to work on various projects geared towards exploring the genetic analysis of complex trait variation in flies. We work on a bunch of traits from aging to toxicant resistance, and this position will involve both fly work and molecular biology/genomics work. Experience with flies would be a plus, but isn't required. The formal announcement, and links to the institutional employment website are provided below. Feel free to email me with any questions. Stuart Macdonald (sjmac@ku.edu)

Position Overview: A research assistant position is available in the Macdonald lab in the Department of Molecular Biosciences at the University of Kansas. We explore the genetic basis of complex trait variation using the fruit fly Drosophila as a model system, working on a diverse set of traits, including response to heavy metals and other toxicants, and lifespan/aging.

The successful candidate will help maintain fly strains and populations of flies, supervise and carry out large-scale phenotyping screens, and perform a range of molecular biology procedures, including making next-generation sequencing libraries for various genomics applications.

We are looking for an enthusiastic and organized individual who wants to learn new skills, and has excellent oral and written communication skills. Previous research assistants in the Macdonald group have undertaken independent research projects and have been authors on research publications from the lab. The position is funded through NIH grants and has an anticipated start date of June 1, 2026 (although this is very flexible/negotiable).

Job Description: 50genetic analysis. Examples of the work include stock maintenance, preparing media, carrying out crosses, and assaying strains/populations for phenotypic variation (e.g., stress tolerance). 30work include DNA and RNA isolation, PCR, and next generation sequencing library construction (e.g., for RNAseq or whole-genome sequencing). 10supplies, and working with undergraduate students. 10accurate lab notebook, keep a detailed digital record of all experimental results, and regularly present data/results to Dr. Macdonald.

Required Qualifications: (1) High school diploma/GED and 4 years of related experience OR a Bachelor's degree in a related field. (2) Previous experience with molecular biology techniques (e.g., PCR), as evidenced by application materials. (3) Effective written communications skills as evidenced by application materials.

Preferred Qualifications: (1) Bachelor's degree in biology or a related field. (2) Experience with Drosophila husbandry. (3) Significant laboratory experience, including troubleshooting and optimizing protocols. (4) Experience making next generation sequencing libraries (e.g., RNAseq libraries). (5) Prior experience managing large scientific projects, including managing undergraduate assistants.

Application: For a complete announcement and to apply online, go to employment.ku.edu/staff/32410BR

A complete application includes the following: (1) A cover letter outlining relevant experience and interest in the position, (2) a CV/resume highlighting pertinent experience relative to the required and preferred qualifications, and (3) contact information for three professional references.

Informal queries about the position are welcome, and can be directed to Dr. Stuart Macdonald (sjmac@ku.edu, 785-864-5362).

Review of applications will begin April 14, 2026 and will continue until the position is filled.

Dr. Stuart J Macdonald he, him, his

University of Kansas (785) 864-5362 sjmac@ku.edu

Professor Department of Molecular Biosciences 4043 Haworth Hall, 1200 Sunnyside Avenue, Lawrence, KS 66045 molecularbiosciences.ku.edu

Google Scholar: https://scholar.google.com/citations?user=3DpTXRo_gAAAAJ&hl=enORCiD: http://orcid.org/0000-0002-9421-002X "Macdonald, Stuart" ¡sjmac@ku.edu¿

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## UKansas LabTech MammalianEvolutionaryGenomics

The successful candidate will provide technical and research support to the Mack Lab, including: (1) assisting with the management of mice in the lab's mouse colony; (2) providing technical research support, such as independently conducting experiments and assisting other team members; (3) supporting general lab operations, including ordering and maintaining supplies; and (4) contributing to research outputs, including figure preparation, data analysis, and written materials.

The ideal candidate will have experience working in a research laboratory setting and strong problem-solving skills. Demonstrated experience with molecular biology techniques–such as PCR, nucleic acid extraction, gel electrophoresis, RNA extraction, and library preparation–is preferred.

The Mack lab is part of the KU Ecology & Evolutionary Biology (EEB) department. KU EEB department supports a large, collaborative group of genomics researchers. The university is based in Lawrence, Kansas, a city known for its high quality of life and relatively affordable cost of living. Lawrence is a lively college town with a wide range of cultural activities (theater, live music, art exhibits, and festivals) alongside plenty of options for outdoor recreation (e.g., cycling, hiking, canoeing).

Application review will begin April 27th, 2026 and continue until a suitable candidate is identified. Apply here: https://employment.ku.edu/jobs/staff/assistant-researcher/32485br Please contact Katya Mack with questions (katya.mack@ku.edu). Start date is flexible.

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## UK UofNewcastle ResearchAssistant-Associate

Application link: https://jobs.ncl.ac.uk/job-invite/29281/ Interviews will be held on Tuesday 2 June and Friday 5 June 2026.

For all informal enquiries please contact isabel.smallegange@ncl.ac.uk

Key Accountabilities

Design and conduct laboratory and/or field experiments to quantify developmental responses to environmental change in bulb mites Rhizoglyphus robini Generate and analyse empirical datasets on life-history, trait development and population processes Work closely with a modelling postdoctoral researcher to align data collection with model requirements Develop experimental protocols and ensure high standards of data quality and reproducibility Analyse data using appropriate statistical approaches Contribute to integration of empirical findings into the wider project framework Publish findings in peer-reviewed journals and present at conferences Support engagement activities, including communication of findings to non-academic audiences Contribute to a collaborative and inclusive research environment

The Person

Knowledge, Skills and Behaviours PhD (or near completion) in ecology, evolutionary biology, or a related discipline Demonstrable experience in experimental or empirical ecological research Experience collecting and analysing biological data Strong quantitative skills (e.g. statistics in R) Ability to design and deliver independent research Strong communication and teamwork skills

Desirable Experience with life-history, developmental biology, or behavioural ecology experiments in small invertebrates Experience linking empirical data to modelling or theory Experience with controlled laboratory systems Interest in adaptation, climate change or conservation applications

Qualifications

PhD in ecology, evolutionary biology, or a related discipline (Research Associate) Near Completion of a PhD in ecology, evolutionary biology, or a related discipline (Research Assistant)

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## UOslo Tech aDNA

We are welcoming applications for a 4 year technician position in sedimentary ancient DNA. This position is part of the ERC Synergy "EcoArch: Ecological Archaeologies of the Afrotropics", based at the University of Oslo. EcoArch focuses on disentangling the drivers of landscape and climate change in the Afrotropics since the introduction of domesticated food economies. The four PIs of EcoArch are based at the University of Oslo, the University of Reading and the Pennsylvania State University.

More information about the position can be find through the link below: https://www.jobbnorge.no/en/available-jobs/job/298943/head-engineer-in-ancient-dna Sanne Boessenkool ¡sanne.boessenkool@ibv.uio.no¿

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## USouthernCalifornia TeachingFaculty QuantitativeBiology

The Department of Quantitative and Computational Biology (QCB) in the Dana and David Dornsife College of Letters, Arts and Sciences of the University of Southern California invites applications for a teaching-track faculty position, instructor or lecturer, of Quantitative and Computational Biology. The ideal candidate will have expertise in quantitative, computational, and statistical approaches to solve fundamental questions in biology and biomedicine. The teaching activities of the successful candidate will primarily entail the teaching of statistics courses, such as QBIO 305 Statistics for Biological Sciences, as well as the development and teaching of other computational biology courses. This would ideally include algorithms courses, such as QBIO 478 Computational Genome Analysis. Therefore it is expected for the successful candidate to have a track record as researcher and educator in these areas. The successful candidate will join the QCB Department, a group of 12 tenured/tenure-track, teaching, and research core faculty members. The QCB Department has a 40-year history of computational biology research and education, including a rigorous Ph.D. program in Computational Biology and Bioinformatics with 60 students, a Master's program in Quantitative and Computational Biology with 25 students, and an undergraduate major in Quantitative Biology with 130 students that represents modern biology education at the interface of biology, mathematics, and computer science. Members of the QCB Department work closely with other faculty in the Dornsife College of Letters, Arts and Sciences, the Viterbi School of Engineering, the Keck School of Medicine, and other USC schools. The QCB Department is located on the University Park Campus in Los Angeles, California. The anticipated start date is August 16, 2026. Applicants must have received a Ph.D. (or equivalent) degree by time of appointment and ideally have at least one semester experience as instructor of record of a computational biology course at a higher education institution. Review of applications will begin May 1, 2026. In order to be considered for this position, all candidates must apply via the "Apply" link at the top or bottom of this page. Please submit a curriculum vitae, a cover letter, 3 current external letters of recommendation, and available teaching evaluations. The annual base salary range for this position is $80,000-90,250$. When extending an offer of employment, the University of Southern California considers factors such as (but not limited to) the scope and responsibilities of the position, the candidate's work experience, education/training, key skills, federal, state and local laws, contractual stipulations, grant funding, as well as external market and organizational considerations. https://usccareers.usc.edu/job/los-angeles/full-time-teaching-track-faculty-position-in-quantitative-and-computational-biology/1209/94300113920 (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## USussex ResearchFellowMathematics

The Department of Mathematics at the University of Sussex is inviting applications for a fixed-term research position on ecological modelling of tick-borne pathogens to better understand their distribution and

prevalence along urbanisation and environmental gradients.

In this role, you will develop mathematical models to evaluate the roles of multiple mechanisms in structuring ecological metacommunities composed of ticks, their hosts and associated pathogens. Working closely with project partners, you will integrate process-based metapopulation models into network models to identify key environmental and social determinants of the risk of human infection, and suggest critical points for management actions.

The role includes research collaboration with the University of Bath (UK) and a US team coordinated by researchers at Columbia University. While this post has the fixed duration of 24 months, there will be an opportunity to apply for a continuation of this position to be based at the University of Bath (UK) for an additional 24 months of the project.

Apply here: https://www.jobs.ac.uk/job/DQZ005/research-fellow-in-mathematics *About you* We are seeking a candidate with a strong background in mathematical biology, ecological and/or epidemiological modelling, or applied dynamical systems.

Prospective candidates should hold a PhD in Mathematics or be in the final stages of writing up their PhD thesis and have submitted by the start date of the position. Equivalent research experience will also be considered. You should have familiarity with handling large and complex datasets, and be skilled in programming languages such as Python, Matlab or R.

The ideal candidate will be capable of independent research as well as effective teamwork, with excellent communication skills for interdisciplinary engagement with colleagues and external collaborators. A strong interest in interdisciplinary research and applying mathematical techniques to ecological data and environmental challenges is highly desirable.

*Further Key Information* Please contact Prof Konstantin Blyuss (k.blyuss@sussex.ac.uk) for informal enquiries.

Candidates should include in their application the following:

- Academic CV - A personal statement (500 words maximum) outlining their research interests and their research experience to date - Official academic transcripts - Contact details for two suitable referees - Application form

For full details and how to apply see our vacancies page ¡http://www.sussex.ac.uk/about/jobs>. *Eligibility*

This role has been assigned an eligible SOC code and meets the salary requirements for Skilled Worker Sponsorship if full time and appointed at Grade 7.4.

Please consult our Skilled Worker Visa information page ¡http://www.sussex.ac.uk/humanresources/business-services/visa/salary-requirements-tradeable-points>for further information about Visa Sponsorship.

This role may also be eligible for the Global Talent visa route, depending on the individual circumstances of the successful candidate.

Please note that this position may be subject to ATAS clearance ¡https://www.gov.uk/guidance/academic-technology-approval-scheme> if you require visa sponsorship.

The University requires that work undertaken for the University is performed in the UK.

Sophia Bulzoni ¡smb2392@columbia.edu¿

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## UVienna PlantEvolution

We have a tenure-track-position (leading to Associate Professorship, so-called "Laufbahnstelle" according to ?99(5) UG) available at the Institute of Botany, BOKU University in Vienna, with a focus on Evolutionary Ecology and Population Biology of Plants. For details see here: https://euraxess.ec.europa.eu/jobs/424170 Christine Sheppard ¡christine.sheppard@boku.ac.at¿

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## UWesternAustralia Two ZoologyMarineBiol

University of Western Australia School of Biological Sciences

Lecturer (Zoology) Job no:523067 Work type:Full Time Location:Crawley Categories:Science

Full-time appointment on a tenurable basis.Base salary range: Level B, 118, 150′139,812 p.a. (pro-rata) plus 17area The School of Biological Sciences is a large and multidisciplinary team of more than 100 high-calibre academic and professional staff delivering world-class education and research programs to approximately 1000 undergraduate and postgraduate students. The School is responsible for the supervision of 150 PhD students, reflecting research strengths and expertise in the disciplines of Zoology, Computational Biology, Conservation Biology, Ecology, Evolutionary Biology, Marine Biology, Neuroscience, Plant Biology and Science Communication. Many of our team are also active members of the UWA Oceans Institute and the UWA Institute of Agriculture, which further nurtures cross-disciplinary research and educators to serve the needs of Western Australia, Australia and the world.

About the opportunity Deliver high-quality, innovative teaching in zoology and general biology, including field-based learning, while supporting and supervising undergraduate and postgraduate students.Build a developing research profile in terrestrial zoology through publications, grant applications, and collaboration within research groups.Contribute to service, engagement and academic governance, including industry and community partnerships, while supporting an inclusive and collaborative School culture.

About you PhD in an academic field relevant to the discipline or other higher professional qualifications appropriate to the discipline.Demonstrated record of strong communication skills, including science communication beyond academic colleagues.Experience, relative to opportunity, in contributing to the development and delivery of a breadth of curricula and the use of innovative teaching and/or communication approaches, assessments and materials for units, courses and other knowledge-transfer situations.A strong track record relative to opportunity of excellence in research at a national level evidenced by peer-reviewed journal articles published in high-quality journals.Demonstrated evidence of research leadership relative to opportunity, including collaborations with internal and external colleagues.

Note: Employment checks will include information on gender-based violence, sexual harassment, and related misconduct to meet legal obligations. A "C" class driver's licence will be required by the successful applicant.

Position Advertisement: https://external.jobs.uwa.edu.au/cw/en/job/523067?lApplicationSubSourceID Posted by Renee Catullo ¡renee.catullo@uwa.edu.au¿

To learn more about this opportunity, please contact Associate Professor Greg Skrzypek at grzegorz.skrzypek@uwa.edu.au

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University of Western Australia School of Biological Sciences

Lecturer (Marine Biology) Job no:523060 Work type:Full Time Location:Crawley Categories:Science

Full-time appointment on a tenurable basis.Base salary range: Level B, 118, 150−139,812 p.a. (pro-rata) plus 17area The School of Biological Sciences is a large and multidisciplinary team of more than 100 high-calibre academic and professional staff delivering world-class education and research programs to approximately 1000 undergraduate and postgraduate students. The School is responsible for the supervision of 150 PhD students, reflecting research strengths and expertise in the disciplines of Zoology, Computational Biology, Conservation Biology, Ecology, Evolutionary Biology, Marine Biology, Neuroscience, Plant Biology and Science Communication. Many of our team are also active members of the UWA Oceans Institute and the UWA Institute of Agriculture, which further nurtures cross-disciplinary research and educators to serve the needs of Western Australia, Australia and the world.

About the opportunity Deliver research-led, innovative teaching in marine biology, including field-based learning, while supervising undergraduate and postgraduate students.Establish a strong research profile in marine biology and ecology through publications, grant funding and building a vibrant postgraduate research group.Contribute to service, partnerships and academic leadership, supporting collaboration, governance and an inclusive School culture.

About you PhD in an academic field relevant to the discipline or other higher professional qualifications appropriate to the discipline.Demonstrated record of strong communication skills including science communication beyond academic colleagues.Experience in the development and delivery

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## Visiting Assistant Professor at University of Louisiana Lafayette

The School of Biological Sciences seeks a visiting assistant professor with expertise in Zoology or Organismal Biology. This position will have an assignment of research, teaching, advising and mentoring undergraduate research. Teaching will consist of junior/senior level courses in one of the following disciplines: Herpetology, Invertebrate Zoology, Ornithology, Mammalogy, Environmental Toxicology, Field Techniques, Principles of Ecology, or Diversity of Life/Systematics. The courses selected would depend on the department's needs and the hire's expertise. Most labs include TA support; however, the instructor would be involved in laboratory supervision and instruction and could teach a lab section if needed. This position is for the 2026-2027 academic year, with the possibility of a similar assignment in 2027-2028 depending on departmental needs and administrative approval. The teaching load would be the equivalent of 6 or 7 credit hours per semester. Research endeavors aimed at establishing a record of peer reviewed publications are expected. Collaboration with research faculty at the University is strongly encouraged. Salary will be commensurate with experience. Successful applicants will have a robust academic record, and will be active educators in their discipline, cultivating a student body that is intellectually curious and civically engaged. Faculty members should pursue innovation informed by best practices and serve as advisors and mentors to students to encourage success. Applicants should provide a cover letter, curriculum vitae, contact information of 3 references, statement of research interests, and a statement of teaching interests that addresses inclusive pedagogy and how the candidate's cultural, experiential, or academic background contributes to building an equitable scholarly environment. These materials should be emailed as a single pdf file and emailed to Karen.smith@louisiana.edu. To ensure full consideration, applications should be received by May 18th. Appointment will be contingent upon verification of eligibility to work in the U.S. and is expected to begin August 1, 2026. The University of Louisiana at Lafayette does not discriminate on the basis of race, color, national origin, age, religion, sex, sexual orientation, or disability in admission to, access to, treatment in, or employment in its programs and activities as required by Title VI and Title VII of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Age Discrimination Act of 1975, the Equal Pay Act of 1963, Title IX of the Education Amendments of 1972, Executive Order 11246, Section 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 and the 1990 Americans With Disabilities Act. - See more at: http://personnel.louisiana.edu/employment-opportunities/policy-nondiscriminationA Member of the University of Louisiana System

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## XTBG Yunnan Plant Evolution

XTBG, CAS 2026 EXCELLENT YOUNG SCIENTISTS FUND PROGRAM (OVERSEAS)

1 About XTBG Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences (XTBG), located in the South of Yunnan Province, was founded by Mr. Cai Xitao in 1959. XTBG is a comprehensive research institution integrating scientific research, species preservation, and popularization of science education. In addition to the main garden, there is a subsidiary branch in Kunming, the capital of Yunnan Province.

Located in the tropical region of China, XTBG focuses on biodiversity conservation and sustainable use of plant resources in South Asia and Southeast Asia. It not only addresses ecological protection in tropical areas around the world but also places special emphasis on the relocation, propagation, and reintroduction of rare and endangered plants. XTBG has become a significant base for tropical biodiversity and ecology research and is currently advancing the development of the Xishuangbanna Tropical National Botanical Garden.

XTBG co-established a national key laboratory focusing on plant diversity and special economic crops. It possesses multiple provincial and international research platforms, including 2 Yunnan Provincial Key Laboratories and 4 International Joint Laboratories, among others. XTBG is a core unit for several significant biodiversity conservation programs and has established a big data platform for the conservation of relocated plants in China. The primary disciplines are botany and ecology, both of which rank highly in the Essential Science Indicators (ESI). Currently, it offers doctoral and mas-

ter training programs in ecology and botany, as well as postdoctoral research stations in biology and ecology.

XTBG has extensive cooperation with more than 50 countries, and its international influence is constantly expanding, and it has become the most important base for scientific research on tropical plants, a repository for the conservation of tropical plant germplasm resources, and a center for the dissemination of scientific knowledge in China.

2 Program Introduction

The National Natural Science Foundation of China (NSFC) has established the Outstanding Youth Science Fund Project (Overseas) to attract and enourage accomplished overseas young scholars (including non-Chinese foreign talents) in natural sciences, engineering technology, and other fields to return to (or come to) China to work. This initiative aims to allow these scholars the freedom to choose their own research directions for innovative studies, accelerating the growth of young scientific and technological talents. It seeks to cultivate a group of outstanding academic leaders who have the potential to enter the forefront of global science and technology, and contribute to the development of a strong science and technology nation.

Upon approval of the project, the NSFC will provide a grant of 1-3 million RMB for a period of 3 years.

3 Support and Benefits

1. Appointed as Professor position and doctoral supervisor.

2. Receive a maximum of 10 million RMB for various types of research start- up funding (including funding from the national government, the Chinese Academy of Sciences, and Yunnan Province).

3. Provide competitive salary and benefit packages, with a maximum of 2.3 million RMB of living subsidies (including those provided by the Chinese Academy of Sciences and Yunnan Province).

4. Provision of ample office space and laboratory facilities, along with assistance in resolving employment for spouses and school enrollment for children.

5. Provide accommodation in the expert apartments at XTBG.

6. We fully support the talents to apply for various talent programs and scientific research projects of the nation, the Chinese Academy of Sciences and Yunnan Province.

7. Extraordinary talent can be negotiated.

4 Application Requirements

1. Abide by the laws and regulations of the People's Republic of China, have good scientific ethics.

2. Born on or after January 1, 1986.

3. Hold a doctoral degree.

4. The research direction that is mainly in natural science, engineering technology, etc.

5. After obtaining the doctoral degree and before April 15, 2026, the applicant should generally have obtained an official teaching or research position in an overseas university, scientific research institution, or R&D organization of an enterprise, and have a working experience of more than 36 consecutive months; for those who have obtained the doctoral degree overseas and have particularly outstanding performance, the requirement of the working years can be appropriately relaxed;

For those applicants who also hold a paid position in China while working overseas, the years of working experience in the paid position in China will not be counted as the years of working experience overseas.

6. Achievements in research or technology that are recognized by peers,

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## Other

## ESEB EOFunds Deadline 01June2026

ESEB EO Initiative Fund - Annual Call for Applications

Next deadline: Monday, June 1st, 2026

The ESEB Equal Opportunities Committee invites proposals for activities that increase awareness of inequalities and improve representation and equal opportunities within evolutionary biology. This call supports initiatives directly related to the field, including activities that benefit researchers, students, or communities engaged with evolutionary biology. Proposals must clearly demonstrate how the activity will improve knowledge, awareness, representation, or equal opportunities within ESEB or the broader evolutionary biology community.

Further information and details on the application procedure are available at the ESEB Equal Opportunities Initiative Fund website: https://eseb.org/prizes-funding/equal-opportunities-initiative/equal-opportunities-initiative-fund/ $_{EuropeanSocietyforEvolutionaryBiologyWebsite:eseb.orgESEBOffice-}$

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## ESEB Under-represented ECR Achievement Award 01July2026

ESEB Under-represented ECR Achievement Award

Two annual awards of EUR2,000 will highlight the achievements of under-represented early-career researchers (ECRs) who have faced difficult circumstances while conducting their work. Applicable difficult circumstances may be but are not limited to disabilities, social/cultural/political persecution, refugee status, single parenting or other caring responsibilities that have created unequal opportunities. This year's winners will also be invited to speak at the ESEB Hub Congress in 2027.

DEADLINE: 1 July 2026

Please find all further details about the application and previous winners at https://eseb.org/prizes-funding/equal-opportunities-initiative/eseb-under-represented-ecr-achievement-award/ – European Society for Evolutionary Biology (ESEB) Email: office@eseb.org Website: https://eseb.org (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## NewJournal MolluscanHorizons

We are pleased to introduce *Molluscan Horizons*, a new journal dedicated to advancing research across all fields of malacology. *Molluscan Horizons* is a joint effort of Latin American malacological societies, led by the *Brazilian Society of Malacology* (SBMa).

Researchers in a multi-institutional, interdisciplinary collaboration are working to identify and build science communication learning objectives for use in undergraduate biology courses. If you are a biology instructor who has taught a science communication course, or integrated a science communication activity into your biology course, we would like to invite you to complete a brief survey about your course. We are particularly interested in courses that have been taught within the last two years. The survey should take 15 minutes of your time, and instructors who agree to participate will be entered into a drawing to win one of five 50*prepaidcards*.

If you are interested in participating as an instructor in this study, you can access the survey here: https://jmu.co1.qualtrics.com/jfe/form/SV_eEUpn9w7YOBXURo

This study was reviewed by the IRB (protocol FY26-298) and determined to be Exempt. Thank you for your support, and please feel free to reach out if you have any questions!

Best wishes, Rosario Marroquin-Flores, Ph.D. (she/her) Assistant Professor Department of Biology James Madison University

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## RoyalSocPubl MitochondrialEvolGenetics

Royal Society Publishing has recently published a theme issue of Philosophical Transactions B under the 'Subscribe to Open' 2026 initiative: Evolutionary genetics of mitochondria: on diverse and common evolutionary constraints across eukarya compiled and edited by Venkatesh Nagarajan-Radha, Duur K Aanen, Madeleine Beekman and Dan Mishmar and the articles are FREE to access at www.bit.ly/PTB1947 A print version is also available at the special price of ?40.00 per issue fromsales@royalsociety.org

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T +44 20 7451 2647

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## SMBE2026 CallVolunteerMentors

Society for Molecular Biology and Evolution

Call for Volunteer Mentors for

Undergraduate Awardees at SMBE2026

Dear SMBE Members,

We are currently looking for volunteer mentors to support the undergraduate awardees attending SMBE026 in Copenhagen.

For many of these students, this will be their first conference, and we hope to match them with mentors who can

# PostDocs



## ArizonaStateU InsectPhenotypicPlasticity

The Song Laboratory of Insect Systematics and Evolution (https://schistocerca.org/SongLab/) in the School of Life Sciences at Arizona State University invites applications for a full-time, in-residence Postdoctoral Research Scholar with expertise in evolutionary genomics and functional genetics. This position is based at the ASU campus in Tempe, Arizona, with an anticipated start date of September 1, 2026. The initial appointment is for two years, with the possibility of extension based on performance and funding. The successful candidate will lead research investigating the molecular mechanisms of phenotypic plasticity, using locusts as a model system to understand how environmental cues trigger changes in behavior and physiology.

Campus/Location: Tempe Campus

Salary Range: $62,000–65,000

About the School of Life Sciences: The School of Life

Sciences (SOLS) is a dynamic hub for research and teaching excellence at ASU, serving as the first academic unit created under the vision of the New American University. By uniting the disciplines of biology, plant biology, and microbiology, SOLS provides a culture of collaborative research that addresses critical problems at the intersection of life sciences and society. The Song Lab is an integral part of the Social Insect Research Group (SIRG) and the Global Locust Initiative (GLI), benefiting from interdisciplinary inquiry and access to the ASU Biocollections. We aspire to be a global leader in discovery, tackling emerging problems to shape a more sustainable future for life on Earth. Learn more at https://sols.asu.edu/. About The College of Liberal Arts and Sciences: The College of Liberal Arts and Sciences is the academic heart of Arizona State University, committed to improving communities on a local, national, and global scale. We support the professional development and growth of our faculty and staff in their cutting-edge research to advance these aims. Within The College, our faculty engage with a large, curious student body, guiding them as they grow into socially aware, critical thinkers and writers able to succeed in a wide range of careers and to address the challenges of the twenty-first century. Advancing the success of our students remains our top priority. To learn more about The College of Liberal Arts and Sciences, please visit https://thecollege.asu.edu. About Arizona State University: ASU exemplifies a new prototype for the American public research university. As articulated in the ASU Charter, ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural, and overall health of the communities it serves.

Essential Functions: o Lead data analysis of genomic and transcriptomic data o Generate and analyze epigenomic data (e.g., DNA methylation and ATAC-Seq) o Lead functional genetics research using RNAi on locusts to investigate molecular functions and validate candidate genes underlying phenotypic plasticity and collective behavior. o Utilize strong analytical and writing skills to publish research data and support grant writing. o Mentor undergraduate and graduate students within the research environment

Required Qualifications: o A PhD (or terminal degree) by the time of appointment in biology, entomology, or a related field. o Demonstrated experience in bioinformatics (omics data). o Demonstrated experience in functional genetics tools (wet lab skills).

Desired Qualifications: o Strong communication (written and verbal) skills. o A strong theoretical understanding of evolutionary biology and genomics. o Experience in student mentorship. o Experience in team-based research. o Demonstrated commitment to working with faculty, staff, students and communities to advance the principles of the ASU Charter.

Application Instructions: The application deadline is May 31, 2026. Applications will continue to be accepted on a rolling basis for a reserve pool; applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following application materials: o A comprehensive Curriculum Vitae or resume o Cover letter and a statement describing your interest in the Song Lab and summarizing your prior research. o Name and contact information for three professional references

Contact: Hojun Song, Director & Professor: hojun.song@asu.edu

Apply at: https://apply.interfolio.com/185366

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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

## AugustanaU SouthDakota EvolutionaryGenetics

The Olson-Manning Lab at Augustana University is seeking a postdoctoral scholar to work on NSF CAREER-funded research on the ecological and evolutionary mechanisms shaping hybridization in common and showy milkweeds (Asclepias syriaca and A. speciosa), starting in June 2026 or later. The position may be structured either as a fully remote, research-focused appointment or as an in-person appointment in Sioux Falls, South Dakota, with optional teaching opportunities. The postdoctoral scholar will join a collaborative, undergraduate-centered lab environment and will have the opportunity to contribute to projects on gene expression, regulatory evolution, and co-expression network architecture in parental species and their hybrids, while also helping shape related research directions and develop an independent line of inquiry.

Research project activities may include: - Gene expression and regulatory evolution analyses - Bioinformatic and genomic analyses of transcriptomic data - Co-expression network analysis - Mentoring undergraduate researchers - Optional teaching and pedagogical development for scholars in Sioux Falls

Essential qualifications: Applicants should have a PhD in ecology and evolutionary biology, plant biology, genetics/genomics, or a closely related field by the start of the appointment. Experience with genomic or transcriptomic data and a strong conceptual background in evolutionary biology are preferred. The ideal candidate will be organized, collaborative, and enthusiastic about working in an undergraduate-centered research environment.

Augustana University is an Equal Opportunity/Affirmative Action/Title IX Employer. Applicants must comply with the Immigration Reform and Control Act and may be required to submit official transcripts upon employment. Finalist candidates must satisfactorily complete a pre-employment background check.

Questions may be directed to Carrie Olson-Manning at colsonmanning@augie.edu

Carrie Olson-Manning ¡carrie.olsonmanning@augie.edu¿

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## Bielefeld
## TheoreticalEcologyEvolution

The Theoretical Biology group in Bielefeld is looking for a new postdoc to join the team! We build mathematical models and computer simulations to study the biology of small populations and the causes and consequences of diversity, especially of intraspecific diversity.

See https://jobs.uni-bielefeld.de/job/view/4905/research-position-postdoc?page_lang=enfor details.

If you have questions, please get in touch!

Best wishes, Meike Wittmann

– Prof. Dr. Meike Wittmann (she/her) Bielefeld University, Faculty of Biology, Theoretical Biology Postfach 10 01 31, 33501 Bielefeld, Germany Office: W4-101 Phone: +49 521 106 67627 meike.wittmann@uni-bielefeld.de https://www.uni-bielefeld.de/fakultaeten/biologie/forschung/arbeitsgruppen/theoretical/ (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## ClemsonU
## PlantEvolutionaryEcology

Description A postdoctoral position is available in the Koski Lab of Plant Evolutionary Ecology at Clemson University to develop and carry out studies on plant thermal performance and floral thermoregulation in wild plant populations.

Current research in the lab focuses on reproductive and phenotypic responses to abiotic and biotic heterogeneity, experimental pollinator-mediated evolution, and application of population genetic approaches to examine historical demographic processes shaping floral variation.

The postdoctoral researcher will conduct research in Clemson's plant growth facilities, laboratory spaces, and field populations. Responsibilities include designing and executing experiments, analyzing data, preparing manuscripts for publication, and mentoring undergraduate research assistants.

The position requires residence in or near Clemson, South Carolina. The initial appointment is for one year, with a projected start date of August 2026, with the possibility of renewal for a second-year contingent upon satisfactory performance.

About Us: Clemson Biological Sciences is a diverse department with strengths in Ecology & Evolution, Microbiology, and Environmental Toxicology situated near the foothills of the Blue Ridge Mountains.

For more information about Clemson, please visit the website http://www.clemson.edu/. BioSci: For more information about the department and its programs, please visit the website https://www.clemson.edu/science/academics/departments/biosci/. For more information about the PI lab, please visit the website: https://koskimatt.wixsite.com/matthewhkoski Qualifications This position requires a PhD by the start date with experience in ecological genetics, evolutionary ecology, plant reproductive biology, or a related field. Strongly desired qualifications include a demonstrated track record of research productivity evidenced by pub-

lications, presentations and/or grants, a demonstrated ability to work in a team and provide research mentorship, and strong analytical skills.

Application Instructions Review of applications will begin immediately; however, the position will remain open until filled.

Applicants should submit the following items via Interfolio: https://apply.interfolio.com/183674(1) A cover letter outlining qualifications and motivation for applying (2) A curriculum vitae (3) A research statement outlining past research experience (4) Contact information for 3 references For more information, please contact Matt Koski; mkoski@clemson.edu

Matthew Koski

Associate Professor

Clemson Biological Sciences

https://koskimatt.wixsite.com/matthewhkoski Matthew Harold Koski ¡mkoski@clemson.edu¿

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## CZ LaboratoryofEnvironmentalMicrobiology

The main postdoc task is to build, analyze and interpret ecological multilayer networks (EMLNs) based on plasmid sequence sharing across Acinetobacter species and environments. Further tasks may include plasmid sequence annotation, data management, and mentoring undergraduate students.

Requirements - PhD in Microbial Ecology, Ecology, Microbiology, Biostatistics, Computational Science or similar subjects - Proficiency in R programming - Fluent English - Good communication and writing skills - Creativity and enthusiasm

Additional skills considered an advantage - Previous experience with (multilayer) network analysis - DNA sequence analysis (assembly, annotation, functional gene analysis) - Proficiency in bash programming - Laboratory experience with microbiology and molecular biology techniques

Contract details This is a full-time (40 hours per week) temporary position with an initial one-year contract and the possibility of extension up to a total of 2.5 years, subject to satisfactory performance. The expected start date is 1 July 2026 (or during summer/fall 2026). Remuneration: 65,000 CZK/month (ca. 2,700 EUR), which represents a good living standard in Czechia. The contract covers health insurance and contribution to social security system. Flexible working hours, 30 days of paid vacation per year.

Group and campus detail The Laboratory of Environmental Microbiology is a friendly international group of about 30 members, focused on diverse topics within soil microbial ecology (https://mbu.cas.cz/en/research/laboratory-of-environmental-microbiology). The laboratory provides most necessary facilities for microbiology, bacterial genomics, metagenomics and computation, while many others are available on the campus. The Institute of Microbiology is located in spacious green campus in the outskirt of Prague, 30 min from the city center by public transportation. With more than five hundred employees and two hundred students represents a key national institution performing research in different fields of microbiology. Research community in the campus is fully international, working language is English. Language courses (e.g., Czech and English) are available for the employees of the institute. The campus includes dining services, child-care center, temporary housing and sport facilities.

Contact Any questions about the position should be addressed to martina.kyselkova@biomed.cas.cz (supervisor).

Application To apply for the position, send a detailed CV (including education, previous employments, list of publications), motivation letter, copy of your PhD diploma, at least one reference letter, and contact details for 2 referees to recruitment@biomed.cas.cz, email subject: Postdoc.5.2026.MBU. The deadline for application is April 30, 2026.

Selection process - 1st round: evaluation of candidates based on CV and other information provided - 2nd round: interview (possible online, during May-June 2026)

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## IISER-TVM Kerala India EvolutionaryBiology

Post-doctoral position at IISER Thiruvanathapuram, Kerala, India

A postdoctoral position in Evolutionary Ecology is available at IISER Thiruvananthapuram, Kerala, India, in the Vanasiri Evolutionary Ecology Group of Ullasa Kodandaramaiah (www.vanasiri.in)

DEADLINE: Screening of applications will begin immediately and applications will be accepted until a suitable candidate is found

SALARY: Rs. 60,000 per month (including Housing Rent Allowance)

RESEARCH TOPIC(S): Our research group works on various questions, with evolution being the common theme across all projects. We have used multiple model organisms, including insects, plants and reptiles. However, butterflies are the main model system in the lab. We use a combination of lab experiments, field experiments and phylogenetic comparative analyses in our work. We are keen to use chemical ecological data for some questions. More information about our research can be found here www.vanasiri.in/research. I prefer candidates who will work on projects in one of the themes mentioned below. However, I am also open to candidates who want to address other kinds of questions in evolutionary ecology, as long as the project fits in with the broad interests of the lab, and is feasible. Please look at our lab publications over the last few years (www.vanasiri.in/papers) for an idea of what kinds of projects interest us.

Preferred areas 1) Life history trait evolution 2) Adaptive phenotypic plasticity 3) Evolution of anti-predatory strategies 4) Insect-plant coevolution

Interested candidates can write to me (ullasa@iisertvm.ac.in) with your CV to discuss how you could fit in, and for details of the formal application procedure.

WHY IISER THIRUVANANTHAPURAM?: The IISER Thiruvananthapuram campus is arguably the most beautiful campus of its kind in India, and one of the best places for ecological studies (www.iisertvm.ac.in/pages/campus;http://icreee.org/#facilities) in the country. We are part of the Western Ghats mountains and the hyper-biodiverse Agasthyamalai Biosphere reserve. Our campus has patches of forest, and is contiguous with protected areas. IISER Thiruvananthapuram has plenty of motivated undergraduates who intern in research labs during the summer/winter breaks, as well as during the teaching semester as semester interns. We also have masters students in our lab every year.

DURATION: The initial contract will be for 1 year, but can be extended. The selected candidate is expected to join as soon as possible.

LIFE ON CAMPUS AND IN THIRUVANANTHAPURAM: Thiruvananthapuram is about 40 km from the campus, and many staff/faculty members commute from the there on a daily basis. Thiruvananthapuram is a coastal city and the capital of Kerala, with a rich cultural heritage. It is within a stone's throw away from world famous beaches such as Kovalam and Varkala, and stunning backwater tourism areas such as Poovar. Being a major medical tourism destination, the city has excellent medical care facilities. Thiruvananthapuram is a relatively small city, and the cost of living tends to be considerably lower than in other Indian cities. A 2-bedroom apartment can be rented for Rs 10,000 to 15,000 per month. There are plenty of options for dining out - a meal at a decent local restaurant can start from Rs 100, but one can dine even in five-star hotels for less than Rs 3000. Costs for groceries and other daily needs can be looked up here: www.bigbasket.com. Taxis can be hired at ca. Rs 18 per km (with a minimum fare of ca. Rs 200). Fuel (petrol/diesel) costs about Rs 96-105/litre.

Limited accommodation is also available in Vithura, where the IISER Thiruvananthapuram campus is located. Vithura is a small town set in at the foothills of the Western Ghats. Hill stations (e.g Ponmudi) and wildlife sanctuaries are close by.

Lab Website - /Vanasiri/ ¡http://www.vanasiri.in> Ullasa Kodandaramaiah

Professor Indian Institute of Science Education and Research (IISER) Thiruvananthapuram ¡http://iisertvm.ac.in>Maruthamala P.O., Vithura, Thiruvananthapuram Kerala, India. 695 551.

Ullasa Kodandaramaiah ¡ullasa@iisertvm.ac.in¿

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## Job Opportunity Post-DoctoralFellow(PDF)atNISER Bhubaneswar

Job Opportunity: Post-Doctoral Fellow (PDF) at NISER Bhubaneswar Project Title: Understanding Host-Gut Microbiome Interaction in Insects - An Ecological Perspective Principal Investigator: Dr. Rittik Deb, Assistant Professor, School of Biological Sciences (SBS) Research Focus: The Evolutionary Ecology Lab at NISER is seeking a motivated researcher to inves-

tigate the complex relationships between insect hosts and their gut microbiota. The project adopts an ecological lens to explore how these microbial communities influence host fitness, adaptation, and response to environmental shifts. Required Expertise: The ideal candidate should possess a strong background in one or more of the following areas: Microbiology & Environmental Microbiology: Experience in microbial culturing, community analysis, and ecological sampling. Next-Generation Sequencing (NGS): Hands-on experience with library preparation and sequencing technologies. Bioinformatics: Proficiency in R (specifically packages like DADA2 or phyloseq) for metagenomics pipelines and complex data visualization. Theoretical Ecology: Understanding of community assembly, symbiotic interactions, and evolutionary drivers of biodiversity. Application Details: Detailed Advertisement: Please refer to the official NISER recruitment PDF for eligibility, fellowship terms, and application procedures: Official Advertisement (PDF) - https://www.niser.ac.in/storage/notices/2026/academic/PDF_Advertisement_SBS_24April2026.pdf Lab Information: To learn more about our ongoing research, students, and publications, visit the Evo-Eco Lab Website. https://sites.google.com/niser.ac.in/evo-eco-lab-niser/home?authuser=0 Inquiries: Interested candidates are encouraged to contact Dr Rittik Deb directly at debrittik@niser.ac.in for informal inquiries regarding the project scope. About the Institution: The National Institute of Science Education and Research (NISER) is a premier research institution in India, providing a vibrant intellectual environment and state-of-the-art facilities for biological research.

– Rittik Deb Assistant Professor Evolutionary Ecology Lab (EEL) School of Biological Sciences, National Institute of Science Education and Research An autonomous institute under DAE

email: debrittik@niser.ac.in, debrittik@gmail.com https://sites.google.com/niser.ac.in/evo-eco-lab-niser/home (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## LIIGH-UNAM Mexico HumanPrehispanicPaleogenomics

The Paleogenomics and Evolutionary Biology group at the International Laboratory for Human Genome Research, Universidad Nacional Aut?noma de M?xico (LIIGH-UNAM), is looking for a researcher to work on a project on human pre-hispanic samples from Mexico. The position will start March 2027.

LIIGH-UNAM ¡https://liigh.unam.mx/research-groups/> is a internacional renowned research institute in the fields of Human Genomics, Population Genetics, Palogenomics, Rare Disease and Complex diseases. The Paleogenomics and Evolutionary Biology group ¡https://scholar.google.com/citations?hl=3Des&user=3DeCs-tmMAAAAJ&view_op=list_works&sortby=pubdate>is interested in better understanding the evolutionary history of multiple organisms that inhabited Mexico (particularly human populations) through the integration of data from multiple disciplines (paleogenomics, archeology, anthropology), and an interdisciplinary interpretation.

The postdoctoral researcher will lead a project aimed to better understand the demographic history and social structure of prehispanic populations that inhabited different parts of the current territory of Mexico. The candidate is expected to lead all computation analyses, have an sustancial contribution to generating the data, and work in close contact with anthropologist and archaeologist collaborators. This project is funded through grants assigned to the Paleogenomics and Evolutionary Biology group (i.e. S?nchez-Quinto lab). The postdoc position will be funded through a UNAM's postdoctoral fellowship (DGAPA) which is assigned based on the competitiveness of the candidate CV and application. The position is aiming to start in March 2027. This position offers a unique opportunity to join a vibrant and enriching community at LIIGH-UNAM, undertaking a cutting-edge scientific project involving samples from a rich cultural context, with exciting archeological, social and demographic implications both local and worldwide.

Required qualifications are a PhD in paleogenomics, evolutionary biology, genetics, molecular biology, or closely related fields. Candidates must have excellent verbal and written communication skills, as well as an established record of productivity (e.g., at least one first author peer-reviewed publication). Candidates with a past record of publications in population genetics, molecular ecology, or genome biology are strongly preferred. Ideal candidates will have experience in generating and/or analyzing WGS genomic data, performing population genetic and social structure analyses, as well as molecular biology wet lab experience.

Contact: Interested individuals should send an email to Federico S?nchez-Quinto at fsanchez@liigh.unam.mx, include the following details:

(1) a cover letter addressing your interest in the position and how your expertise meets the position requirements (2) CV (3) Contact information for 3 references, (4) At least one representative publication to the field of study

Candidate materials will be reviewed until the position is filled.

Dr. Federico A. S?nchez Quinto Investigador Titular A Laboratorio de Paleogen?mica y Biolog?a Evolutiva Laboratorio Internacional de Investigaci?n sobre el Genoma Humano LIIGH-UNAM Blvd. Juriquilla 3001, Campus UNAM, 76230, Juriquilla, Qro. M?xico Tel. +52 (442) 238 1000. Ext 34458

"federicosq@gmail.com" ¡federicosq@gmail.com¿

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## Madrid PlantTropicalMacroevolution

Applications are welcome for a 18 month postdoctoral position in the project "GONDWANDIV: Contrasting evolutionary dynamics in the tropics: splendid isolation vs. magnificent desolation in the Neotropical and Afrotropical floras" at the Real Jardin Botanico (RJB), CSIC. Project description: Tropical regions worldwide, including the Neotropics, the Afrotropics, and tropical East Asia, stand out as global biodiversity centers, harboring half of all known species (and 45Job functions: The candidate will be working with an already existing database of ¿ 200 angiosperm phylogenies and associate geographic information. The candidate will be expected to: Complete and expand the database of dated phylogenies from published studies, with a special focus on increasing the coverage of Afrotropical clades. Perform biogeographic analyses on multiple clades to estimate the main biogeographic routes for plant dispersal between the tropics. Infer diversification dynamics (speciation and extinction rates) of multiple clades to estimate the main evolutionary processes mediating biome construction using birth-death models and novel deep learning (neural network) approaches. Required qualifications: We are looking for a proactive and independent researcher holding a PhD degree, with strong evolutionary biology background and: Proficiency in programing (R/python) would be a distinct advantage. Experience with phylogenetic comparative approaches. Notions on historical biogeographic methods (e.g. DEC, RevBayes, BEAST) Notions on macroevolutionary modelling (birth-death models) Experience in manuscript preparation and presentation skills. Experience in handling large phylogenetic and ecological databases would also be an asset. Salary/Conditions: The candidate will join a young and dynamic research team at the Real Jardin Botanico (RJB) of Madrid, in the CSIC. Per month gross salary will be around 2200EUR. The candidate shall be in possession of a graduate degree from a Spanish university, or proof of having applied for recognition of a foreign degree to the Spanish Ministry of Education at the time of recruitment. Interested parties: send an email to Andrea S. Meseguer (ameseguer@rjb.csic.es) and/or Isabel Sanmartin (isanmartin@rjb.csic.es) with the CV attached, explaining in the body of the email how you fit into the activities to be developed considering your skills, experience and published research. Applicants must provide two reference persons to contact as well. Interested candidates must send the email by 30/05/2026. Candidates will be invited for an interview based on the information received by email. The starting date will be in autumn 2026.

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## NHM UK SolanaceaePhylogenomics

Postdoctoral Researcher in Solanaceae Phylogenomics

Job reference: 000719 Salary: GBP43,645 per annum Department: Research Location: South Kensington Employment type: Fixed term contract Hours Per Week: 36 Closing date: 01/05/2026

Please apply below by clicking on https://jobs.nhm.ac.uk/Job/JobDetail?JobId=770 About Us

We are a world-class visitor attraction and leading science research centre. We use the Museum's unique collections and our unrivalled expertise to tackle the biggest challenges facing the world today. We care for more than 80 million objects spanning billions of years and welcome more than five million visitors annually and 16 million visits to our website. Today the Museum is more relevant and influential than ever. By attracting people from a range of backgrounds to work for us, we can continue to look at the world with fresh eyes and find new ways of doing things. We employ 1100 staff in a variety of roles, all united by our vision

of a future where people and planet thrive. We need everyone to have the passion and drive to help us with our mission to create advocates for our planet and inspire millions to care about the natural world.

Diversity and inclusion matter to us.

Our vision is of a future where both people and the planet thrive. Diversity is one of our core values and we strive to build a workplace where everyone feels a sense of belonging. All new staff who join us learn about the importance of diversity and inclusion to the Museum and how to contribute to creating an inclusive environment. We know we have more to do, but we are committed to ensuring that everyone who works at the Museum feels they can thrive and feel valued and respected.

About the role

We are looking for a postdoctoral level scientist with skills in phylogenetic and morphological analysis to work as part of a team investigating the evolution of the mega-diverse plant genus Solanum, a member of the nightshade family (Solanaceae). We expect the appointee to produce, collate and analyse DNA sequence and morphological data for clades of Solanum species, focusing on the diverse "spiny solanums", in either Australia or the Americas. You will join an international team of Solanaceae scientists, whose work spans biodiversity and genomics. The group works collaboratively and globally, with joint field work and papers. We expect the appointee to have had experience of working in the field collecting plants, in the laboratory with molecular sequences and in silico with phylogenomic data. The candidate will be expected to work independently with minimal day-to-day supervision, but collaboratively as part of the wider Solanaceae community.

About you

We are looking for a post-doctoral researcher to work with a dynamic international team investigating phylogenomics and biogeography in the mega-diverse plant genus Solanum (Solanaceae) in either Australia or the Americas. You will have a PhD degree in botany or the equivalent, experience in analysis of large phylogenomic datasets and of working in an herbarium with plant specimens, a good publication record, together with the ability to work independently and as a member of a dispersed team.

Thriving at the Museum: the way we work We are proud to work at the Museum and have identified the qualities we all need to embody to reach our shared ambition. This sits alongside the Museum's values and forms the framework for the way we work.

What we offer

- 27.5 days holiday plus 8 bank holidays (full time equivalent) - Generous defined contribution Natural History Museum Pension Scheme (employer contribution 4 - 10- Season ticket, bicycle and rental loan - Life insurance - Free admission to our exhibitions and many other paid exhibitions at museums, galleries and institutions across London and the UK. - Staff discount at our Museum shops and cafes - We offer a wide variety of training initiatives and opportunities to build skills. Investing in staff development is important to us, and we are ambitious about helping staff to grow and fulfil their potential. - Affordable membership to the Civil Service Sports Council which offers a range of benefits including an extensive list of special offers and reduced entry fees at a selection of cinema chains, theme parks, theatres, retailers and supermarkets. It also provides entry to up to 300 English Heritage sites and other national treasures. For more details, visit https://www.cssc.co.uk- Membership to our Sports and Social Association (for a small fee), which includes access to our in-house gym and clubs such as football, softball, table tennis and tennis and classes in Middle Eastern dance, yoga and Tai Chi

Hybrid working

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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

## OuluU Finland PlantPopulationGenomics

Postdoctoral Researcher - Plant Population Genomics

We now have 17 months postdoctoral position open in the Research Council of Finland-funded project "Genomics of High-Latitude Parallel Adaptation". In this project, we seek to identify the genetic basis of adaptation to northern environments in multiple northern lineages of Arabidopsis lyrata. To do so, we use whole-genome short- and long-read sequencing in combination with advanced population demographic and selection inference.

We are looking for a postdoctoral researcher to participate in and lead the computational population ge-

nomics analysis in this project. The successful candidate has expertise in population genomics, bioinformatics, computational genomics, and plant biology. The primary requirements are a PhD in the aforementioned or related fields, as well as fluency in oral and written English.

See more information and apply for the position: https://oulunyliopisto.varbi.com/what:job/jobID:923509/ For further details, please contact Tiina Mattila (tiina.mattila@oulu.fi)

Tiina M. Mattila Academy Research Fellow Ecology and Genetics Research Unit University of Oulu

Tiina Mattila ¡Tiina.Mattila@oulu.fi¿

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## Prague TortoiseConservation

We are looking for a highly motivated postdoctoral researcher to join our lab at Charles University, Prague, Czech Republic. The position is funded for two years by the Revive & Restore foundation (project start: April 2026) and focuses on the early development of tortoises in a conservation context. Basic information about the project can be found here: https://reviverestore.org/safeguarding-tortoises-diapause-and-biobanking-for-conservation/The project aims to apply biotechnological techniques to support endangered tortoise species. You will work on a non-model organism and a rare biological phenomenon (tortoise diapause) using a combination of embryology and cell cultures in a creative environment where you can develop your own ideas,and contribute to a project with real conservation impact. You will be part of an international, collaborative team with strong links to Prague Zoo and other partners. Main responsibilities

Develop and optimize cell culture techniques for embryonic and germ cells of tortoises

Work with diapausing tortoise embryos and contribute to establishing long-term biobanking protocols

Contribute to data analysis, manuscript preparation, and dissemination of results

Candidate profile PhD in biology (developmental biology, cell biology, conservation biology, etc.)

Strong hands-on experience with cell cultures is essential

Experience with embryonic or germ cell culture is an advantage

Interest in developmental biology, conservation, and biotechnology

Good communication skills and ability to work in an international, interdisciplinary team

How to apply Please send your CV, cover letter, and contact information for references to: lukas.kratochvil@natur.cuni.cz

Luka? Kratochvil (https://scholar.google.com/citations?user=yK6TThoAAAAJ) and collaborators Professor, Department of Ecology Charles University, Prague, Czech Republic

Luka? Kratochvil ¡kratoch1@natur.cuni.cz¿

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## PurdueU Eco-Evol InfectiousDisease

Postdoctoral Position in Theoretical & Computational Ecology and Evolution of Infectious Diseases The He Lab at Purdue University (https://scholar.google.com/citations?user=WajKQtsAAAAJ&hl=en) is seeking a highly motivated postdoctoral researcher to join a project at the interface of theoretical disease modeling, molecular epidemiology and population dynamics. The position focuses on advancing a newly developed numerical framework that characterizes disease strain dynamics under antigenic diversification, immune-mediated selection, and transmission dynamics. The work will involve a combination of analytical modeling of stochastic processes and agent-based stochastic simulations.

Required Qualifications - PhD in a relevant field (e.g., theoretical ecology/evolution, applied mathematics, epidemiology, physics, computational biology, or related discipline) - Strong background in mathematical modeling of biological systems, especially dynamical systems or stochastic processes - Experience with computational modeling (e.g., Python, R, Julia, or C++) - Familiarity with at least one of the following: Infectious disease modeling; population genetics; metapopulation models - Demonstrated ability to conduct independent research and publish in peer-reviewed journals

Preferred Qualifications - Knowledge of basic immunology - Interest in linking theoretical predictions to em-

pirical disease estimations

We offer - Freedom to develop independent research directions within the project scope - Opportunities to interact and collaborate with other research groups working on the theory of eco-evolutionary dynamics - Opportunities to collaborate on more applied projects in the lab - Competitive salary and benefits aligned with NIH standards

The position is funded for two years, with an ideal starting date from June, 2026. If you are interested or have questions, please email me at heqixin@purdue.edu with the subject line [modeling postdoc candidate]. In the email, please provide a description of your research interests, past research experience, and the fit, and attach your CV and contact info for 2-3 references in one PDF. Review of applications will begin immediately and continue until the position is filled.

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Qixin He, Ph.D. Mary J. Elmore New Frontiers Assistant Professor Department of Biological Sciences Purdue University www.qixinhe.net


## PurdueU FishFunctionalMorphology

Postdoctoral Position at Purdue University in Fish Functional Morphology and Evolutionary Biomechanics

The Wainwright lab at Purdue University (https://www.dylanwainwright.com) is searching for a postdoc interested in the functional morphology and biomechanics of fishes with interests in form-function relationships. Preference may be given for applicants with skills such as phylogenetic comparative methods, fluid mechanics, materials testing, high-speed videography, or working with ?CT data, but any interested applicants are encouraged to reach out. Ideal start date is summer or fall 2026, funding for 1-2 years (or longer if external funding is successful), $56k or more per year, and full benefits. If you are interested or have questions, please reach out to$ for more information on applying.

Best, Dylan Wainwright Assistant Professor Biological Sciences Department Purdue University

Dylan Wainwright ¡dylan.wainwright@gmail.com¿



## RBI Zagreb Croatia BivalveMolecularGenomics ShortDeadline

We are looking for a Postdoctoral Researcher to join the GENREP project The impact of repetitive sequences on the molecular evolution and architecture of bivalve genomes at the Ruer Bokovi Institute in Zagreb, Croatia.

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¿

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## Stuttgart Macroevolution PCMs Apr12Deadline

"Stuttgart$_{M}acroevolution_{P}CMs_{A}pril_{1}2th_{D}eadline$"

We are looking to fill a position as soon as possible for a

Postdoc

"Do single traits synergize to boost macroevolution? - Why are there so many orchid species?" Full-time (100

Remuneration according to TV-L E13

Applications accepted until 12 April2026

Project and job description: The SMNS is seeking for a creative and innovative person to fill a postdoc position in macroevolution with strong data science skills to lead a research project that will contribute to better understanding the impact and interaction of functional traits in angiosperms. The project aims to compare diversification rates among orchids and other angiosperms exhibiting specific traits. This project addresses a key research question at the SMNS 'What key innovations drive evolutionary success?? The interdisciplinary team includes experts from the Botany Department (Thiv, Liancourt, Ferenc, Krause) and the Palaeontology Department (Roth-Nebelsick, Amson).

Requirements: The successful candidate has a Ph.D. in Phylogenetics/Ecology/Biogeography/Macroecology or related fields and should moreover have the following skills and assets

- comprehensive expertise in modern phylogenetic statistics (incl. diversification rate analyses, supertree building) with strong background in handling large datasets (e.g., functional traits, phylogeny and ecological data). - strong communication skills (oral and written), evidenced by participation in conferences and publications in international scientific journals - team-player skills with an interest in participating in interdisciplinary research projects - ability to supervise students - excellent command of English; basic knowledge of Germana bonus

Our offer: - a full-time position remunerated according to TV-L E13 for 2 years (the advertised position can be filled on a part-time basis) - involvement in ongoing research projects - the opportunity to continue your career in an internationally renowned research museum with first-class infrastructure and in close cooperation with the University of Hohenheim - an attractive workplace in the center of Stuttgart - flextime, family-friendly working hours as well as the possibility to work remotely part of the time, if responsibilities permit - a monthly subsidy for the Job Ticket BW - participation in occupational health management - support in acquiring basic German language skill

How to apply: Applications in German and English are equally welcome. The position should be filled as soon as possible. Please submit your electronic application including a cover letter, CV/resume, three references, list of publications, in a single PDF file (max 10 MB) to postdoc-botany@smns-bw.de by April 12, 2026 at the latest. Furthermore, please attach three key publications as PDFs (if possible).

Job interviews are scheduled for April 23, 2026.

For further information, please contact PD Dr. Mike Thiv (phone: +49 (0)711/8936-205, email: mike.thiv@smns-bw.de).

We strongly encourage women to apply. Diversity and inclusion are central to our philosophy. Applications from persons with severe disabilities will be given preferential consideration if they are equally qualified. Since 2019, we have held the audit berufundfamilie certificate and offer proven family- and life-stage-conscious working conditions.

Dr John Clarke (can also be contacted about the position) https://bsky.app/profile/jclarkepaleo.bsky.social German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig Puschstrasse 4, Leipzig, Germany j.clarke.paleo@gmail.com

John Clarke ¡j.clarke.paleo@gmail.com¿

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## SyracuseU MicrobialSystemsBiology

Overview: The Oliverio Lab at Syracuse University is seeking a creative postdoctoral researcher to lead research on experimental evolution and strain diversity in synthetic microbiomes. We sit at the interface of microbial ecology, evolutionary biology, and systems biology, and we use an integrated toolkit including metagenomics, metatranscriptomics, metabolomics, enrichment culturing, and synthetic community experiments to understand how microbial communities assemble, adapt, and function.

Our lab uses sourdough starter microbiomes as tractable models for studying microbial evolution and intra-species diversity. The postdoc will design and execute ecological and evolution experiments in defined microbial consortia, characterize strain-level genomic and functional variation across community members, and connect evolutionary change and strain diversity to emergent community phenotypes. There is also opportunity to integrate computational experiments (for example, with genome-scale metabolic modeling).

This postdoctoral position is fully funded for up to three years with an initial 12-month appointment subject to renewal. Specific research goals will be developed in collaboration with the principal investigator, with extensive opportunity for scientific independence and to pursue research areas and projects that are aligned with the interests and expertise of the postdoc.

Qualifications: Ph.D. in Microbiology, Evolutionary Biology, or a related field, conferred by the time of appointment. Track record of research demonstrated through publications and/or other significant research accomplishments.

Job Specific Qualifications: Experience designing or executing experimental evolution or microbiome experiments. Proficiency in bioinformatics approaches for multi-omics data. Familiarity with genome-scale metabolic modeling or related computational approaches. Familiarity with microbial culturing and microbiome experiments. Strong quantitative skillset and desire to work across wet lab and computational approaches. Excellent written and oral communication, organized, and detail oriented. Enthusiasm for developing new research directions and working in a collaborative and intellectual environment.

Responsibilities: Design research projects, execute experiments, and analyze data related to microbial ecology, evolution, and systems biology. Write manuscripts, conference abstracts, and fellowship proposals (as relevant). Mentor graduate and undergraduate students in the lab. Attend conferences, workshops, and other relevant professional development opportunities.

To view full job ad: https://www.sujobopps.com/postings/112723 Lab website: https://oliveriolab.org/ Angela M Oliverio ¡amoliver@syr.edu¿

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## TexasAMU MarineEvolutionGenomicsDevelopment

Specifics: The postdoctoral researcher will be responsible for leading studies on a recently funded NIH R35 in the lab, entitled: "The role of the epigenome-microbiome axis in phenotypic plasticity". The project will involve experimental work with the purple sea urchin model system, including husbandry, larval culturing, and integrating multi-genomics datasets. The primary project is lab-based, although opportunities to travel to the US Pacific coast for field work may arise. Opportunities to contribute to other projects are welcome and encouraged if they fit within the scope of the project and utilize model systems already established in the lab. The selected applicant will be expected to contribute to mentoring students in the lab, including collaborating with graduate students and leading undergraduate research projects.

Project specifics: While it is well established that phenotypes can be influenced by epigenetics and the microbiome, emerging evidence shows that microbes can directly influence the host epigenome and vice versa, contributing an additional axis of variation affecting phenotypes. While the individual impacts of the microbiome on the host phenotypes are thoroughly studied, there remains a critical gap in knowledge as to how microbes and host epigenetics influence each other, and more broadly, how this additional axis of variation can influence larger scale processes of adaptation and phenotypic plasticity. The purple sea urchin, Strongylocentrotus purpuratus, has large range spanning Baja, Mexico to Alaska, with limited population structure due to the long dispersal distances of their planktonic larvae, but evidence of local adaptation to pH. Further, they exhibit one of the best studied examples of adaptive phenotypic plasticity, morphological extension of the arms in response to low food availability. In addition to being a well poised model to study adaptive processes in the face of high gene flow and phenotypic plasticity, S. purpuratus has been used for decades as a model organism in developmental biology due to its unique evolutionary position as a deuterostome invertebrate, a highly characterized immune response that is homologous to vertebrates, well described genomic resources, and a transparent larval stage that enables easily trackable cell biology. Our goal for this five-year project is to use S. purpuratus to study the relative roles of microbes and the epigenome on molecular and morphological phenotypes and how they contribute to adaptive processes and phenotypic plasticity.

Duration: The postdoc researcher position will be for 2 years, subject to annual performance review and merit-based salary increases. Salary is based on NIH guidelines. The position can be extended for up to 4 years, depending on progress. Start date is flexible between May-December 2026 and to be negotiated with the PI. Our university does not allow remote positions, and they will not be considered.

Qualifications: The applicants must have a PhD in a biology-related field (cell, molecular, evolution, or closely related fields). Expertise in genomics analyses, molecular biology, and evolution is essential. Prior experience with marine invertebrate husbandry and larval culturing is preferred but can be learned. Ideal candidates will have experience with at least some of the following: microscopy, bioinformatics, developmental biology techniques, and molecular biology.

Applications should be submitted via email in a single PDF containing the following:

1. A cover letter summarizing the applicant's suitability for the project and interests in the lab. 2. A statement of past research achievements and relevant skill sets 3. The applicant's CV 4. A copy of two key publications or submitted manuscripts/preprints 5. Contacts for 3 references, who will be contacted when a candidate makes the short list.

Please use this link to apply: https://tamus.wd1.myworkdayjobs.com/TAMU_External/job/College-Station-TX/Postdoctoral-Research-Associate_R-091783-1Applications received by April 30 will receive first consideration, but the position will remain open until filled. Please direct questions or inquiries into more

specifics on the project to Dr. Strader.

Marie Strader, PhD (she/her) Assistant Professor Department of Biology Texas A&M University https://straderlab.com/ "Strader, Marie" ¡mstrader@tamu.edu¿

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## UBC Vancouver EelgrassPopulationGenomics

A two-year postdoctoral researcher position on eelgrass population genomics is available in the group of Dr. Marco Todesco at the Michael Smith Laboratory of the University of British Columbia, located in the beautiful city of Vancouver (BC, Canada). The expected pay is $70,000 CAD per year plus benefits$.

Research Project: Eelgrass (Zostera marina) meadows are found along most of the coasts of North America and are crucial to coastal ecosystems. They are a haven for biodiversity, support the health of coastal waters and fisheries, and are an important contributor to carbon sequestration in the oceans; unfortunately, they are also facing increasing threats from climate change, pollution, and human development. Conservation and restoration efforts are necessary to maintain and expand the important roles of eelgrass in coastal ecosystems. However, eelgrass restoration efforts face very high failure rates, in part due to the fact that plants used in restoration efforts might not be adapted to their new habitat.

The postdoctoral fellow will contribute to a project aimed at understanding genetic diversity and the effects of anthropogenic change in eelgrass populations, and the potential of genomic approaches in informing conservation and restoration efforts in eelgrass. The project is co-led by Drs. Marco Todesco, Mary O'Connor (UBC Department of Zoology), and Loren Rieseberg (UBC Department of Botany) and builds on an established network of eelgrass researchers and restoration practitioners, and a partnership with coastal Eeyou communities in Eeyou Istchee. The successful candidate will use population genomics approaches to characterize genetic diversity across eelgrass populations in the James Bay and St. Lawrence River areas, to understand how these populations have been affected by changes in their environment and their potential to adapt to them.

Specific research activities include i) generation of a genome assembly for a James Bay eelgrass individual, and construction of an eelgrass pangenome; ii) analysis of patterns of diversity and demographic history of eelgrass populations using whole-genome resequencing data for hundreds of individuals; iii) determination of genetic vulnerability of eelgrass across James Bay and the St. Lawrence River area; and iv) dissemination of results and knowledge generated to the academic community and partners. The postdoctoral fellow is also expected to collaborate with other team members working on seascape genomics and restoration aspects of the project.

Candidate qualifications: - PhD in Population Genetics, Genomics, Bioinformatics, Plant Genetics, or a related field - Strong research track record, demonstrated by publications, accomplishments, and references - Extensive experience in bioinformatics, genomics, and population genetics - Experience in genome assembly and annotation - Expertise in plant science and ecology is a plus - Strong time-management, organizational, and communication skills - Ability to work effectively both in an independent role and collaboratively with others

Environment and opportunities: Vancouver is consistently ranked among the world's most livable cities, offering an exceptional quality of life. The Todesco, O'Connor, and Rieseberg labs are part of the Michael Smith Laboratories and the Biodiversity Research Centre, centres of excellence for biomedical research, and ecology and evolution, respectively. The successful candidate will be embedded in an interactive research environment that includes experts in genomics, population genetics, ecology, evolutionary biology, and molecular biology. UBC provides access to extensive genomics core facilities and advanced computing infrastructure.

Application process: Interested candidates should apply submit their CV, a cover letter summarizing their relevant experience, and contact information for three referees to Winnie Cheung at winnie.cheung@botany.ubc.ca by May 15, 2026, with the subject line: Postdoctoral position in eelgrass population genomics. The

position will ideally start on July 1st, 2026, although a later start can be negotiated.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, and/or Indigenous person. All qualified candidates are encouraged to apply; however,

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## UCalifornia Berkeley FishEvolution

Postdoctoral position on ecology, evolution, and carbon sequestration by deep-sea fishes

The Correa Collaboration for Ocean Solutions Lab and the Martin Fish Speciation Lab at the University of California, Berkeley in the Departments of Environmental Science, Policy, and Management; Integrative Biology; and the Museum of Vertebrate Zoology, seek a postdoctoral scholar to investigate *trophic interactions, gut microbiota, and carbon cycling* related to marine snow from one of the world's most abundant vertebrates - the lanternfishes and Cyclothone bristlemouths - of the twilight zone.

This position includes opportunities for participating in research cruises with collaborators at other institutions (note: no previous field experience is necessary and participation is not required).

We are seeking postdoctoral applicants with expertise or interest in *microbiomes, genomics, DNA barcoding, dietary ecology, historical DNA sequencing, and/or deep-sea biology*.

This NSF-funded position is for an initial two-year appointment with the possibility of renewal for another year. Salary is based on negotiated UAW labor union rates for the UC system, commensurate with experience, approximately $70,000 per year with annual raises$.

Potential initial projects in our labs include:

1) Characterizing global microbiome diversity across lanternfishes and other mesopelagic fishes.

2) DNA barcoding of mesopelagic food webs within modern specimens and historical time series of museum specimens.

3) Connecting mesopelagic fish microbiota to environmental samples of marine snow across depths to quantify carbon sequestration potential.

Required qualifications: Ph.D. or equivalent degree in biology, ecology, evolution, genomics, or related field. Publication of work based on dissertation.

Preferred qualifications: Strong background in either genomics, barcoding/environmental microbiology sampling, or microbiomes.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, religion, sexual orientation, gender identity, nationality, disability, age, or protected veteran status.

UC Berkeley has a world-class community of integrative biologists studying adaptive radiation spanning the Department of Environmental Science, Policy, and Management; the Department of Integrative Biology; the

Museum of Vertebrate Zoology; the Department of Molecular and Cell Biology; the Center for Theoretical Evolutionary Genomics; and more. The City of Berkeley and the surrounding San Francisco Bay Area are celebrated for progressive values, vibrant social and cultural scenes, and beautiful surrounding environments.

Interested candidates should submit a cover letter detailing their interest in the position and relevant experience along with their CV and contact information for three references to Adrienne Correa at amsc@berkeley.edu and Chris Martin at chmartin@berkeley.edu.

This position is open until filled, but applications will be reviewed starting on April 6. Please feel free to contact us at the below email address with any questions.

Adrienne Correa Associate Professor of Global Change Microbial Ecology Department of Environmental Science, Policy, and Management University of California, Berkeley amsc@berkeley.edu https://sites.google.com/berkeley.edu/correalab Christopher Martin Associate Professor and Curator of Ichthyology Department of Integrative Biology and Museum of Vertebrate Zoology University of California, Berkeley chmartin@berkeley.edu https://ib.berkeley.edu/labs/martin/@fishspeciation.bsky.social

chmartin@berkeley.edu

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## UCalifornia SantaCruz EvolutionaryGenomics

The Corbett-Detig lab at the University of California, Santa Cruz is hiring one or more postdoctoral scholars. The start date is flexible and the position is fully funded through NIH support with an initial appointment period of two years.

Our group develops methods to study evolutionary and population genetics using large-scale genomic data. We focus on both methodological innovation and biological insight.

Postdocs in the lab may work on a range of projects spanning evolutionary genomics, including the development of new computational methods and application to diverse genomic datasets. Study systems are flexible and have included humans, model organisms, and microbial populations. Strong interest in programming, statistics, and genomics is essential.

Candidates should contact Russ Corbett-Detig with a CV, and a statement describing your interest in the lab and summarizing prior research.

For more information: https://corbett.ucsc.edu russcd@gmail.com

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## UCollege London AncientDNA

Postdoctoral Research Fellow in Ancient /sedaDNA

Project:Time-Travelling through Lake Sediments

Location: University College London, UK

Contract: 3 years.Fixed-term role available from1 July 2026 to 30 August 2029 (flexible start date).

Working type: on-site

Salary:?43,981-?52,586

Closing date: 15-May-2026

This is an exciting opportunity to join an innovative project using lake sediment DNA to uncover how ecosystems and populations respond to environmental stress over the past 300 years.

We are seeking a talented and ambitious Research Fellow (RF) to join our NERC-funded project combining temporal evolutionary and ecological community dynamics. The RF will apply cutting-edge approaches in sedaDNA and palaeogenomics to reconstruct biodiversity change and track genomic diversity through periods of ecological collapse and recovery. The project will be supported by a research technician.

You will be embedded in an intellectually vibrant, interdisciplinary environment at UCL and Natural History Museum, working with:

Prof Julia Day (https://profiles.ucl.ac.uk/1268-julia-day)

Dr Selina Brace (https://www.nhm.ac.uk/our-science/people/selina-brace.html)

Carl Sayer (https://profiles.ucl.ac.uk/5616-carl-sayer)

Prof David Murrell (https://profiles.ucl.ac.uk/604-david-murrell)

As well as collaborators at QMUL, Environmental Agency and The National Trust.

How to apply and further information

Please apply via the UCL jobs website: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?nPostingId=17915&nPostingTargetId=43445&id=Q1KFK026203F3VBQBLO8M8M07&LG=UK&languageSelect=UK&mask=ext Informal enquiries very welcome! Email:

Julia Dayj.day@ucl.ac.uk

Professor of Zoology

Department of Genetics, Evolution and Environment

University College London

Julia Day ¡j.day@ucl.ac.uk¿

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## UFlorida EvolutionaryDevelopmentalGenetics

Postdoc Position in Evolutionary and Developmental Genetics

A postdoc position is available in the Hopkins Lab at the University of Florida. The successful candidate will use computational and experimental approaches to study the evolution of organs and cell types.

Our research seeks to understand the genetic mechanisms and evolutionary pathways through which organs originate and diversify through time. We take a comparative approach, using patterns of evolutionary diversification across species to uncover general principles of biological design that shape organ architecture, function, and evolution. Much of our work focuses on Drosophila, moving beyond melanogaster as a model organism to develop the wider Drosophilidae family and its ¿4000 morphologically, ecologically, and behaviourally diverse species as a model clade. In pursuit of this work, we make use of a wide range of computational and experimental approaches, including gene regulatory network inference, comparative genomics, genome editing, and single-cell 'omics. Over time, postdocs will be provided with support to develop an independent research program that aligns with the

lab's broad interests in evolutionary and developmental genetics.

The Hopkins Lab is based in the University of Florida's Genetics Institute, a cross-departmental institute that brings together a wide variety of researchers with interests in genetics. Our corridor is home to groups working on evolutionary biology, comparative genomics, developmental biology, and functional genetics in both model and non-model animal systems, opening up rich opportunities for interactions and collaboration with like-minded researchers. Our building also houses UF's biotechnology core, complete with state-of-the art imaging suites and sequencing facilities. Gainesville itself is a vibrant college town with a lively nightlife and live music scene, and offers easy access to Florida's diverse natural landscapes from crystal-clear springs and pine forests to wetlands and the white sandy beaches of the coast.

Start date is flexible.

If interested, please contact Ben Hopkins (br.hopkins@ufl.edu) with a CV, a statement of research interests and experience, and the names of three references.

"Hopkins, Ben" ¡br.hopkins@ufl.edu¿

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## UFlorida
## MothsGenomicsPhylogenetics

The Mongue Lab (Entomology and Nematology Department) and Kawahara Lab (Florida Museum of Natural History) at the University of Florida, Gainesville, USA, are currently seeking two postdoctoral fellows (one each) to conduct genome work on Lepidoptera (butterflies and moths). The positions are for 2 years, with the second year of funding based on positive progress.

The positions will closely work with several projects including:

1) A large-scale NSF Systematics grant "Phylogenetics of Bagworm Moths: A Model System for Studying the Evolutionary Genetics of Sexual Dimorphism" to study genetic causes and consequences of extreme sexual dimorphism; and

2) A large-scale NSF IntBio grant, "Collaborative Research: Silk protein innovation and novelty (SPIN): integrating across disciplines to decipher silk fiber evolution" between multiple institutions (AMNH, BYU, George Washington U., U. of Utah) to study the genotype and phenotype of insect silks.

The postdoc will work closely with other postdocs and collaborators.

Required for both positions: A Ph.D. in biology, entomology, evolutionary biology, or genomics. Candidates with familiarity with developmental biology, population genetics and/or transcriptomics are encouraged to apply. Experience with scripting in bash/Perl/Python/R or other computer languages, especially in a cluster computing environment is desired. An interest in insect evolution is desired, but not required.

The successful candidates will work closely with students and staff in the lab and lead projects on Lepidoptera genomics, gene evolution, and phylogeny. Responsibilities include data analysis, student training, publishing papers, and presenting results at conferences. Both positions are available immediately.

Salary: 60,000−65,000 depending on experience.

To apply: please send 1) a cover letter detailing your relevant experience and fit for the position(s), 2) curriculum vitae, and 3) names and contact information of three references familiar with your work. Please send application materials via email to both:Andrew Mongue at andrew.mongue@ufl.edu and cc Akito Kawahara at kawahara@flmnh.ufl.edu, with the subject line, "Postdoc Openings" and a brief statement indicating for which (or both) position(s) you wish to be considered. Application reviews will begin on May 10, 2026 and continue until positions are filled.

Lab websites: https://monguelab.weebly.com/http://www.flmnh.ufl.edu/mcguire/kawahara/Google scholar: https://scholar.google.com/citations?user=UctEYLYAAAAJ&hl=en "Plotkin,David M" ¡dplotkin@ufl.edu¿

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## UKansas PlantMolecularEvolution

The Choi lab (https://jychoilab.github.io/) at the University of Kansas is seeking for a postdoctoral scholar to join an interdisciplinary project that combines plant genetics, chromosome biology, and evolution. This is a NIH funded position to understand the genetics and function of telomere variation in plants, and the evolutionary forces that shapes plant telomeres.

The primary question of our lab asks why the telomeres of plants are so variable between and within species. To answer this question our lab has developed Mimulus (common name monkeyflower) as a model for studying the evolutionary genetics of plant telomeres. The postdoc will use M. guttatus to understand the genetic basis of telomeric variation and the evolutionary forces that shapes the telomere. The project will combine quantitative genetics with CRISPR and functional genomics including single cell approaches and population genomics. Our ultimate goal is to establish the genetic mechanism and evolution underlying telomeric variation.

Basic Qualifications: *Applicant should have a Ph.D. in the following or related fields: genetics, molecular biology, or evolution. *Demonstrated experience in plant biology, especially plant genetics or plant molecular biology is required. *A strong interest in evolutionary biology is necessary.

Preferred (but not necessary) Qualifications: *Experience with high-throughput sequencing and genomic data analysis is desired but not necessary. This can be taught to the candidate.

The lab is looking for someone who is personable and enthusiastic about working in a collaborative environment. Responsibilities will include contributing to ongoing research in the lab, developing independent research projects, and mentoring graduate/undergraduate students. This is a 1 year appointment with possibility of an extension. The preferred start date is summer 2026 but it is also negotiable.

Application instructions: Applicants can email PI Jae Young Choi (jaeyoung.choi@ku.edu) that includes: (1) a curriculum vitae (2) a cover letter - letter of application that summarizes your qualifications and interest in the position (3) contact information for three references

Applications will be reviewed as they are submitted and the position will remain open until filled.

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## UK NewcastleU Eco-EvolutionaryDemographicModelling

We are recruiting a Postdoctoral Research Associate to join a NERC-funded Pushing the Frontiers project on development-centric demography and adaptation under environmental change. The NERC-funded project develops a new development-centric framework for understanding adaptation under environmental change. Current models often treat phenotypes as fixed traits, overlooking the developmental processes through which organisms construct their phenotypes, creating a key "phenotypic gap" in demographic theory. The project integrates modelling, experiments and empirical data to understand how developmental trajectories (e.g. growth, matu-

ration and resource allocation) shape survival, reproduction and adaptive potential. By treating organisms as active systems that regulate their own development and modify their environments, the work aims to improve predictions of population resilience and evolutionary responses to environmental change. The project builds on recent work developing a "development-centric" approach to demography (see Smallegange 2026, Academia Biology for an overview). The postdoc will develop and apply novel modelling approaches integrating development, energetics, and demography to understand adaptation and extinction risk under environmental change, working closely with empirical components of the project.

This is a full time, fixed term role available for the duration of 34 months. For all informal enquiries please contact isabel.smallegange@ncl.ac.uk Key Accountabilities -Develop and implement novel demographic and evolutionary models that incorporate developmental processes -Lead the design and analysis of simulation studies to test hypotheses about adaptation under environmental change -Integrate empirical data with modelling outputs to inform theory development -Collaborate with project partners to align modelling with experimental and field components -Contribute to the development of a coherent modelling framework across project work packages -Publish research findings in high-quality peer-reviewed journals -Present research at conferences and contribute to stakeholder-facing outputs -Support open and reproducible research practices, including code sharing and documentation -Contribute to a collaborative and inclusive research environment The Person Knowledge, Skills and Behaviours -Demonstrable experience in quantitative or computational modelling -Strong programming skills (e.g. R, MatLab, or similar) -Ability to develop and analyse mathematical or simulation-based models -Evidence of scientific writing (e.g. publications, preprints, or thesis chapters) -Ability to work collaboratively across disciplines -Strong organisational and communication skills Desirable -Experience in demographic or eco-evolutionary modelling -Familiarity with trait-based or individual-based modelling approaches -Experience working with empirical ecological or experimental data -Interest in linking theory to applied conservation or adaptation challenges Qualifications -PhD in ecology, evolutionary biology, computational biology, applied mathematics, or a related field (Research Associate) -Near Completion of a PhD in in ecology, evolutionary biology, computational biology, applied mathematics, or a related field (Research Assistant) More information and application: https://jobs.ncl.ac.uk/job/Newcastle-Research-AssistantAssociate-in-Eco-Evolutionary-Demographic-Modelling/1385317433/Isabel Smallegange Location: Newcastle University, UK Start date: Summer 2026 Closing date: 17 May 2026 Interviews: 2 and 5 June 2026 Please circulate to anyone who may be interested.

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## UK NewcastleU ExperimentalEvolutionaryEcology

We are recruiting a Postdoctoral Research Associate to join a NERC-funded Pushing the Frontiers project on development-centric demography and adaptation under environmental change. The NERC-funded project develops a new development-centric framework for understanding adaptation under environmental change. Current models often treat phenotypes as fixed traits, overlooking the developmental processes through which organisms construct their phenotypes, creating a key "phenotypic gap" in demographic theory. The project integrates modelling, experiments and empirical data to understand how developmental trajectories (e.g. growth, maturation and resource allocation) shape survival, reproduction and adaptive potential. By treating organisms as active systems that regulate their own development and modify their environments, the work aims to improve predictions of population resilience and evolutionary responses to environmental change. The project builds on recent work developing a "development-centric" approach to demography (see Smallegange 2026, Academia Biology for an overview). The postdoc will design and conduct laboratory and field experiments using a tractable model system (bulb mites) to quantify developmental responses to environmental change and generate empirical data on life-history and population processes.

For all informal enquiries please contact isabel.smallegange@ncl.ac.uk Key Accountabilities -Design and

conduct laboratory and/or field experiments to quantify developmental responses to environmental change in bulb mites Rhizoglyphus robini -Generate and analyse empirical datasets on life-history, trait development and population processes -Work closely with a modelling postdoctoral researcher to align data collection with model requirements -Develop experimental protocols and ensure high standards of data quality and reproducibility -Analyse data using appropriate statistical approaches -Contribute to integration of empirical findings into the wider project framework -Publish findings in peer-reviewed journals and present at conferences -Support engagement activities, including communication of findings to non-academic audiences -Contribute to a collaborative and inclusive research environment The Person Knowledge, Skills and Behaviours -PhD (or near completion) in ecology, evolutionary biology, or a related discipline -Demonstrable experience in experimental or empirical ecological research -Experience collecting and analysing biological data -Strong quantitative skills (e.g. statistics in R) -Ability to design and deliver independent research -Strong communication and teamwork skills Desirable -Experience with life-history, developmental biology, or behavioural ecology experiments in small invertebrates -Experience linking empirical data to modelling or theory -Experience with controlled laboratory systems -Interest in adaptation, climate change or conservation applications Qualifications -PhD in ecology, evolutionary biology, or a related discipline (Research Associate) -Near Completion of a PhD in ecology, evolutionary biology, or a related discipline (Research Assistant) More information and application: https://jobs.ncl.ac.uk/job/Newcastle-Research-AssistantAssociate-in-Experimental-Evolutionary-Ecology/1385085933/Location: Newcastle University, UK Start date: Summer 2026 Closing date: 17 May 2026 Interviews: 2 and 5 June 2026 Please circulate to anyone who may be interested.

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## UK UnivirityofLincoln

Project: Biophysical and morphological coevolution of egg micropyles and sperm in insects

Location: University of Lincoln, UK

Contract: 3 years. Fixed-term role available from 1 October 2026 to 30 September 2029 (flexible start date).

Working type: on-site

Closing date: 22-May-2026

This is an externally-funded PDRA position supporting the Leverhulme project "Biophysical and morphological coevolution of egg micropyles and sperm in insects".

Insect eggs are incredibly intricate and complex structures which are poorly studied compared to sperm. To fertilise insect eggs, sperm must pass through a tiny pore called a micropyle, which connect to a channel leading inside the egg. Through our previous work on insect egg and sperm, we have shown that sperm and egg micropyles co-evolve.

The aim of this project is to quantify and explore the form and function of insect egg micropyles across insects by combining novel methods across evolutionary analysis, mathematical modelling, micro-scale experiments and 3D printing.

You will have a PhD (or close to completion) in biophysics, bioengineering, mathematical biology or a closely allied discipline along with experience in creating, writing, enhancing, and running code in R/Python, using and developing microfluidic devices and advanced imaging. You will have excellent communication skills with the ability to talk to different audiences, as you will be collaborating with a team of researchers across multiple disciplines both in the UK and overseas.

You will be embedded in an intellectually vibrant, interdisciplinary environment at University of Lincoln, working with:

Dr Graziella Iossa (https:// https://graziellaiossa.weebly.com/)

Professor Carl Soulsbury (https://life-historyresearch.weebly.com/)

As well as collaborators at the University of Tulane, USA.

How to apply and further information

Please apply via the UoL jobs website: https://jobs.lincoln.ac.uk/Vacancy.aspx?ref=CHS310 Informal enquiries very welcome! Email: giossa@lincoln.ac.uk

Senior Lecturer in Zoology School of Natural Sciences University of Lincoln Graziella Iossa ¡giossa@lincoln.ac.uk¿

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## ULausanne
## EvolutionaryConservationBiology

Introduction The University of Lausanne is a research and higher education institution composed of seven faculties where approximately 15,000 students and nearly 5,000 professors, researchers, and staff work and study. Ideally situated along the lake of Geneva, near Lausanne's city center, its campus brings together over 120 nationalities. unil.ch/work ¡https://www.unil.ch/unil/en/home/menuinst/travailler.html> Presentation The group of Prof. Claus Wedekind is proposing a Postdoctoral (Premier Assistant) position in Evolutionary Conservation Biology at the Department of Ecology and Evolution, University of Lausanne, Switzerland. The postdoc will join a team working on the selective forces that act on freshwater fish, i.e., the effects of human activities in interaction with natural and sexual selection. For more information, see https://www.unil.ch/dee/wedekind-group. Job information Expected start date in position: 1.7.2026 or to be agreed Contract length: 1 year, renewable depending on funding availability Activity rate: 60-100Workplace: Lausanne-Dorigny

Your responsibilities The research project will be defined together with the group leader, based on the postdoc's interests and competencies in Evolutionary Conservation Biology. Most of his/her time will be dedicated to research, but a contribution to teaching is expected, including the possibility of supervising master students. The job description stipulates: 70255

Your qualifications We are seeking to recruit someone with a PhD degree in biology, a strong interest in research, and skills in one or several of the following fields: population genetics, population management, life history, bioinformatics, and evolutionary ecology. Experience with fish would be an advantage. Applicants should have good team skills. Collaboration is important in our group.

Interpersonal skills

* Be open-minded, motivated, and able to motivate others * Interested in acquiring new skills and in teaching techniques and skills to others * Willing to discuss research ideas with others in the team * Collaborate with team members at the various stages of research projects * Have good communication skills * Respect deadlines and priorities

What the position offers you We offer a nice working place in a multicultural, diverse, and dynamic academic environment, with opportunities for professional training. Possibilities of continuous training, a lot of activities, and other opportunities to discover. The Department of Ecology and Evolution at Lausanne University hosts research groups working on a broad range of topics, producing a rich intellectual and social life. Although French is the common language in the Lausanne region, the department's research activities and seminars are conducted in English. The campus is located on the shore of Lake Geneva, with a view of the Alps. unil.ch/work ¡https://www.unil.ch/unil/en/home/menuinst/travailler.html> Contact for further information For further information, please contact Prof. Wedekind: claus.wedekind@unil.ch

Your application Deadline to apply: 15.5.2026 Formal applications should include: - a cover letter detailing your

research interests, experience, and motivation for applying; - your CV; - a copy of your PhD certificate; if you have not yet finished your PhD indicate the scheduled or expected date (a contract as Postdoc/1er assistant cannot be issued before the completion of the thesis); - the names and contact details of two or three referees.

To receive full consideration, application documents should be uploaded online through the University of Lausanne recruitment platform. https://tinyurl.com/cty7dumz Review of applications will begin immediately.

Additional information UNIL is committed to: - equality, diversity, and inclusion within its community; - ensuring an open and respectful environment that is conducive to personal development; - offering working conditions that facilitate work-life balance; - supporting early career researchers. unil.ch/equality ¡https://www.unil.ch/unil/en/home/menuinst/universite/egalite-diversite-inclusion.html>unil.ch/families ¡https://www.unil.ch/unil/en/home/menuinst/campus/aides-et-soutiens/familles-et-parentalite.html>

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## ULausanne ModellingAntibioticResistance

Join the Evolutionary Epidemiology group at the University of Lausanne in developing approaches to predicting the spread of antibiotic resistance at the host population scale. We are interested in translating fundamental evolutionary insights into robust predictions about the real-world behaviour of resistance frequencies. We are looking for researchers to collaboratively shape this project through several possible directions:

- Epidemiological modelling: Developing hybrid mechanistic-statistical models of resistance dynamics. - Data-driven prediction: Using statistical modelling, causal inference, or machine learning to forecast resistance trends. - Fitness estimation: Inferring the fitness impacts of resistance determinants using surveillance and genomic data.

We're looking for curious, collaborative and thoughtful researchers. The envisioned topic is antibiotic resistance, but there is some flexibility: if you are interested in other aspects of evolutionary epidemiology, don't hesitate to get in touch. If you like our papers, we want to hear from you!

Specifics: - Duration: 2 years (initial contract for 1 year, but funding is available for 2 years) - Potential for further extension depending on funding - Start date: ideally September 2026, but there is flexibility in both directions - For more information and to apply: tinyurl.com/6c4y3jke

Your qualifications - A PhD in a relevant topic, such infectious disease modelling, computational biology, physics, or statistics. - Expertise in either mathematical modelling (including model fitting), statistical modelling or machine learning. - An interest in public health and antibiotic resistance - Excellent written and oral communication skills in English.

What the position offers you - An exciting opportunity to shape your research in a supportive and stimulating environment. - Exceptional scope for collaboration through e.g. the NCCR Microbiomes network. - Access to top-notch resources and possibilities for independent funding and fellowships. - Excellent support for further learning and professional development. - Plenty of opportunities to attend conferences and to build your scientific network. - Attractive salary, beautiful location and excellent quality of life in a great city.

Sonja Lehtinen ¡sonja.lehtinen@unil.ch¿

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## UMichigan PlantSystematics

To apply, use this link: https://careers.umich.edu/job_detail/276324/research-fellow-vasconcelos-lab.Only online applications submitted through the University of Michigan system by 30 April 2026 (23:59 EST) will be considered. The application must include the following documents written in English as a single pdf called "lastname$_{f}irstname$" : $Motivationletter(max.onepage).Pleasestateyourresearchinterestsandaddressthequalificationslistedabove, outliningwhyyou$

Mission Statement: The mission of the University of Michigan is to serve the people of Michigan and the world through preeminence in creating, communicating, preserving and applying knowledge, art, and academic values, and in developing leaders and citizens who will challenge the present and enrich the future.

Job Summary The Vasconcelos lab at the University of Michigan invites applications for a postdoctoral researcher position for the period of one year, potentially extendable to two-years if funding allows. The work is to happen in-person (not remote) and the postdoc will join a project being developed in partnership between PI Thais Vasconcelos and co-PI Eve Lucas and co-PI Nicky Nicolson at the Royal Botanic Gardens Kew (UK).

The successful candidate is expected to start ideally in September 2026. The annual salary for the postdoctoral researcher will be approximately $63,480, for a full - time (40 hours per week) position, plus benefits. This position is one year term - limited with possibility of renewal based on availability of work, funding, and satisfactory job performance.$

About the project: The broad goal of the project is to advance our understanding of what constitutes a species in highly diverse, taxonomically complex tropical plant lineages. Using Neotropical myrtles (Myrteae, Myrtaceae) as a model system, we are testing whether the high species diversity in this group corresponds to independently evolving lineages or reflects artifacts of species delimitation. The postdoc will be primarily responsible for improving the phylogenomic understanding of Myrcia sect. Myrcia, a clade of about 160 species of neotropical distribution. The postdoc will also conduct a pilot study testing the coherence of different empirical representations of a species description in this lineage, based on a pipeline that integrates genomic and morphological data.

Responsibilities* - Sampling from herbarium specimens; - DNA extraction and library preparation using the Angiosperms353 bait kit; - Performing phylogenomic inference; - Formatting project outputs using data standards, sharing using open repositories; - Leading and/or contributing to manuscript writing.

Required Qualifications* - A doctoral degree relevant to the project (e.g., systematics, taxonomy, evolutionary biology, genomics) - Experience working in a molecular laboratory - Ability to conduct independent scholarly work; - Strong collaboration and communication skills; - Excellent written and spoken English skills.

Desired Qualifications* - Experience working with fragmented genomic data; - Experience working with herbarium data; - Strong bioinformatics skills; - Strong biodiversity informatics skills; - Knowledge of phylogenomics and population genetics; - Knowledge of plant taxonomy.

Why conduct research at the University of Michigan? The University of Michigan ranks 9 globally in the TIME World's Top Universities (2026) and offers an exceptional environment for research, combining interdisciplinary collaboration with a strong culture of innovation and public impact. The Ecology and Evolutionary Biology Department features world-class facilities for genomic and natural history collection work, including the Biodiversity Lab and the UM Herbarium, one of the largest in the U.S. with 1.75 million specimens. Ann Arbor, with its blend of urban and natural attractions, is consistently ranked among the best places to live in the U.S., offering a lively arts and food scene, easy access to nature, and a progressive culture. Together, they provide an inspiring and supportive setting for both professional growth and everyday living.

Background Screening: The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background

checks are performed in compliance with the Fair Credit Reporting Act.

Contact Information: Any questions about the position should be addressed to tvasc@umich.edu.

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## UMontanaScrippsCollege GenomeEvolution

The Fishman (University of Montana, www.fishmanlab.org) and Finseth (Scripps College, www.findleyfinseth.com) Labs seek a postdoctoral researcher to collaborate on projects related to genome evolution in monkeyflowers. We (and the ideal candidate) have a strong interest in how centromere functional variation, satellite DNA evolution, and chromosome structure contribute to meiotic drive and speciation (and vice versa).

The successful candidate will have bioinformatics skills, comparative and/or population genomics expertise, and the conceptual/theoretical/empirical background necessary to readily engage with multiple new chromosome-scale genome assemblies (Lovell et al. 2026) and (epi)genomic datasets. Yellow monkeyflowers (Mimulus guttatus species complex) are a rare system with active centromeric meiotic drive in natural populations (see Stark-Dykema, Finseth et al. 2026 ¡https://doi.org/10.64898/2026.02.23.707561> for a recent update). This unique system allows for investigation of the molecular mechanisms and evolutionary consequences of centromeric drive, while diverse monkeyflower genomes extend the opportunity to explore the patterns and processes of chromosome evolution across deeper time scales. We anticipate that the postdoc will lead papers addressing key evolutionary questions about centromere turnover, as well as chromosome structural evolution, at both scales.

We would be most excited for the postdoc to be fully integrated into the Fishman Lab (in Missoula MT, an awesome college town near Glacier and Yellowstone National Parks) or the Finseth Lab (in Claremont CA, an awesome college town near Los Angeles). However, the primary responsibilities of this postdoc will be the analysis and interpretation of existing or in-progress datasets, plus preparation of manuscripts. Therefore, we are willing to consider remote or partially remote situations for exceptionally motivated and prepared candidates. Engagement with other experimental, population genomic, and pedagogical (e.g., a formal summer undergraduate research program) components of the project is welcomed. In addition, the postdoc will be supported to develop independent research directions in areas of shared interest and to participate in professional development opportunities at UM and elsewhere.

We are currently soliciting direct inquiries rather than formal applications for this open postdoctoral position. A start-date no later than September 2026 would be ideal, but we have some flexibility. The appointment will initially be for 1.5 year ( $66,000/year + benefits$). $Upto1.5yearsofadditionalsupportarepossibleassumingsatisfactoryperformanceandnochangetoourfunding.Regar$

Potential applicants should email Lila Fishman (lila.fishman@umontana.edu) and Findley Finseth (ffinseth@scrippscollege.edu), briefly describing relevant interests/ background, raising any questions about the position/project, and attaching a CV. We'd also be happy to chat with interested folks in person at PEQG this summer, but please contact us in advance.

Dr. Lila Fishman, PhD (she/her)

Professor and Director, Ecology & Evolution Graduate Program

Director, ECOR Plant & Insect Growth Facility

Division of Biological Sciences, University of Montana, Missoula MT 59812

web: www.fishmanlab.org email: lila.fishman@umontana.edu

University of Montana acknowledges that we are in the aboriginal territories of the Salish and Kalispel people. We honor the path they have always shown us in caring for this place for the generations to come.

"Fishman, Lila" ¡Lila.Fishman@mso.umt.edu¿

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## UniversityofSouthernCalifornia USC

The Mooney Lab is looking for a creative scientist to join us at USC to investigate recessive variation and complex traits in model or non-model species. The work is intentionally broad and can span population genetics, statistical genetics, and conservation genomics. The position is supported by a multi-year NIH grant, with the possibility of renewal.

The full job ad and application details are available at the link below:

https://usccareers.usc.edu/job/los-angeles/postdoctoral-scholar-research-associate/1209/94189826384 Thank you, Jazlyn

Jazlyn Mooney, PhD. (she/her) Gabilan Assistant Professor of Quantitative & Computational Biology University of Southern California https://mooney-lab.github.io/Twitter: @Jazlyn$_{M}ooney$

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## UofLincoln UK Biophysics Bioengineering MathematicalBiology

Project: Biophysical and morphological coevolution of egg micropyles and sperm in insects

Location: University of Lincoln, UK

Contract: 3 years. Fixed-term role available from 1 October 2026 to 30 September 2029 (flexible start date).

Working type: on-site

Closing date: 22-May-2026

This is an externally-funded PDRA position supporting the Leverhulme project "Biophysical and morphological coevolution of egg micropyles and sperm in insects".

Insect eggs are incredibly intricate and complex structures which are poorly studied compared to sperm. To fertilise insect eggs, sperm must pass through a tiny pore called a micropyle, which connect to a channel leading inside the egg. Through our previous work on insect egg and sperm, we have shown that sperm and egg micropyles co-evolve.

The aim of this project is to quantify and explore the form and function of insect egg micropyles across insects by combining novel methods across evolutionary analysis, mathematical modelling, micro-scale experiments and 3D printing.

You will have a PhD (or close to completion) in biophysics, bioengineering, mathematical biology or a closely

allied discipline along with experience in creating, writing, enhancing, and running code in R/Python, using and developing microfluidic devices and advanced imaging. You will have excellent communication skills with the ability to talk to different audiences, as you will be collaborating with a team of researchers across multiple disciplines both in the UK and overseas.

You will be embedded in an intellectually vibrant, interdisciplinary environment at University of Lincoln, working with:

Dr Graziella Iossa (https:// https://graziellaiossa.weebly.com/)

Professor Carl Soulsbury (https://life-historyresearch.weebly.com/)

As well as collaborators at the University of Tulane, USA.

How to apply and further information

Please apply via the UoL jobs website: https://jobs.lincoln.ac.uk/Vacancy.aspx?ref=CHS310 Informal enquiries very welcome! Email:

giossa@lincoln.ac.uk

Senior Lecturer in Zoology

School of Natural Sciences

University of Lincoln

Graziella Iossa ¡giossa@lincoln.ac.uk¿

University of Lincoln Situated in the heart of a historic city, the University of Lincoln is committed to transforming lives and communities through our teaching and research. We are listed in the world's top 150 universities in the Times Higher Education's (THE) Young University Rankings 2024 and hold a five-star score overall in the QS Stars rating system of global universities. We are one of a select group of universities to achieve the top Gold rating overall and in both aspect ratings for student experience and student outcomes in the national Teaching Excellence Framework (TEF) 2023. We were awarded the Queen's Anniversary Prize for Further and Higher Education in 2023.

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## UOslo PalaeoecologySedaDNA

We are welcoming applications for a postdoctoral fellow in paleoecology and sedimentary ancient DNA. This position is part of the ERC Synergy "EcoArch: Ecological Archaeologies of the Afrotropics", based at the University of Oslo. EcoArch focuses on disentangling the drivers of landscape and climate change in the Afrotropics since the introduction of domesticated food economies. The four PIs of EcoArch are based at the University of Oslo, the University of Reading and the Pennsylvania State University.

More information about the position can be find through the link below: https://www.jobbnorge.no/en/available-jobs/job/298945/postdoctoral-research-fellow-position-in-palaeoecology-and-sedimentary-ancient-dna Sanne Boessenkool ¡sanne.boessenkool@ibv.uio.no¿

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## UPau France
## FishEvolutionaryBiology

Dear colleagues,

This message advertises a call for a 4-year postdoc position in the INRAE/UPPA research group ECOBIOP, as part of the MSCA-funded REACH-UPPA postdoctoral programme, described here: https://www.univ-pau.fr/reach-uppa(eligibility criteria, application procedure, fellowship conditions).

Applicants are expected to propose their own research project, in line with both their own competences and the research programme developed in the ECOBIOP research group (https://aquapole.bordeaux-aquitaine.hub.inrae.fr/). However, members of the research group cannot be involved in the construction of the applicant's project. Roughly, the research project is expected to deal with interacting mechanisms of adaptation of fish populations to intertwined climate-driven challenges: https://recherche.univ-pau.fr/en/expertise/european-projects/reach-uppa-msca-cofund/research-areas/interacting-mechanisms-of-adaptation-to-intertwined-climate-driven-challenges-2.html Best regards, Cedric Tentelier

Cedric Tentelier ¡cedric.tentelier@univ-pau.fr¿

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## USA Ohio State
## InsectMicrobeInteractions

The Short Lab at Ohio State is recruiting a Postdoctoral researcher to study mosquito-microbe interactions

Job Description: This Postdoctoral researcher will contribute to an NIH-funded study (R01AI189572, https://reporter.nih.gov/search/wk0CzbUpwE69AxJ0uTlPBQ/project-details/11296317 ) which focuses on the interplay between the microbiota and life history traits in male Aedes aegypti mosquitoes. The position will be in the lab of Dr. Sarah Short. To learn more about the lab, go to https://shortlab.cfaes.ohio-state.edu/. Dr. Short's lab is housed in the Department of Entomology and in affiliation with the Infectious Diseases Institute. In collaboration with their scientific mentor (the P.I.), the successful candidate will design and execute experiments, analyze data, and publish findings in competitive scientific journals. They will develop new methodologies and troubleshoot as necessary. They will also mentor junior members of the laboratory to hone their instructional and mentoring skills. They will apply for appropriate grant and fellowship funding to support their research. They will also enrich their training by attending relevant seminars and colloquia and by developing independent projects that build upon the laboratory's ongoing work. The position is renewable for up to five years, pending satisfactory performance and availability of funds.

Responsibilities: 955Salary: $61,008.00-63,480.00$/annual Minimum Education Required: Doctorate (Academic) with a Major in the life sciences Required Qualifications: Required: The successful candidate must have a Ph.D. in the life sciences and must show a strong record of publication and success in research. They must have a strong background in experimental design, bioinformatics, and data analysis. Preferred Qualifications: The preferred candidate will have experience in vector biology and microbiology, as well as insect-microbe interactions, bacterial community profiling, microbial ecology, metagenomics, and/or metabolomics. Experience working with teams and conducting field work is a plus, as is experience performing molecular and organismal experiments in insect systems. Location: Howlett Hall, Columbus Ohio, 43210, USA Contact: email

Sarah Short: short.343@osu.edu To apply: Go to OSU Careers (https://hr.osu.edu/careers/) and search for R149804 or use the link: https://osu.wd1.myworkdayjobs.com/OSUCareers/job/Columbus-Campus/Postdoctoral-Researcher$_R$149804 − 1$Pleaseprovidea Statement of Interest and a CV when applying.$

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## US LosAngeles U SouthernCalifornia

I have a popgen postdoc position available in my lab. Information about the job, pay, and environment can be found on the posting here

https://usccareers.usc.edu/job/los-angeles/postdoctoral-scholar-research-associate/1209/94189826384 Thank you, Jazlyn

Jazlyn Mooney, PhD. (she/her)

Gabilan Assistant Professor of Quantitative & Computational Biology

University of Southern California

https://mooney-lab.github.io/ Twitter: @Jazlyn$_M$ooney

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## US UCBerkeleySchoolofPublicHealth

The Marshall Lab (https://www.marshalllab.com/) at the UC Berkeley School of Public Health is seeking to hire a postdoctoral scholar to work on an exciting project to model genetics-based strategies to control the new world screwworm. The position is initially for one year, with the possibility of extension for an additional two years, and is available immediately. Salary is commensurate with experience (see salary scale here: https://www.ucop.edu/academic-personnel-programs/_files/2025-26/represented-oct-2025-scales/t23.pdf), and full benefits are included (see here: https://c2mb.ajg.com/uc/home/).

The position is funded by a DARPA grant to develop genetics-based strategies to confront the renewed threat posed by the new world screwworm in North America. The successful candidate will work with an interdisciplinary team of molecular biologists, ecologists and mathematical modelers, including from the Akbari Lab at UC San Diego, the Scott Lab at North Carolina State University, and the biotech company Flytrr (formerly Oxitec Ltd.). There will also be opportunities to contribute to our collaborative projects on mosquito and vector-borne disease control.

Tasks that we are seeking help with include: * Adapting our mosquito modeling framework (MGDrivE, https://marshalllab.github.io/MGDrivE/) to new world screwworm biology * Calibrating genetic control models to data generated by our molecular biology collaborators * Predicting population suppression capabilities of technologies developed through the project * Mentoring PhD, Masters and undergraduate students

An ideal candidate will have: * A strong background in applied mathematics, statistics and/or computer science * Experience with ecological/epidemiological modeling, or population genetics/genomics * An interest in insect ecology or population biology * An interest in mentoring graduate and undergraduate students

If you are interested in the position, please send: i) your CV, including a list of publications, ii) PDFs of your two most significant publications/manuscripts to date, iii) the names and email addresses of three potential referees, and iv) a cover letter describing your research interests and motivations for joining our lab to John Marshall at john.marshall@berkeley.edu. Inquiries are also welcome. Additional information about the research in our lab can be found at https://www.marshalllab.com/. The position will remain open until filled. The first review date will be May 25th, 2026.

UC Berkeley has large and vibrant public health, ecology and computational biology communities spanning the School of Public Health, the Center for Computational Biology, the Innovative Genomics Institute, the Department of Integrative Biology, the Department of Environmental Science, Policy and Management, and more. UC Berkeley offers competitive salaries, excellent benefits and is an equal opportunity employer. The City of Berkeley and the surrounding San Francisco Bay Area is known for its progressive values, vibrant social and cultural scene, and beautiful surrounding environment.

"Marshall, John M." ¡john.marshall@berkeley.edu¿

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## US U Georgia
## EvolurionaryReproductiveGenetics

The Cunningham Laboratory in the Department of Entomology at the University of Georgia, Athens invites applications for a Post-Doctoral Research Associate with expertise in genomics or protein biochemistry.

The laboratory investigates the genetic mechanisms and evolution of insect reproduction. We integrate evolutionary genetics, genomics and epigenetics, molecular biology, microscopy, and genetic manipulations to better understand gametogenesis with two ultimate goals: first, producing high efficacy candidate genes as part of future Integrated Pest Management strategies, and second, better understanding the evolution of difference in insect reproduction, especially oogenesis between species.

The laboratory seeks a highly motivated scientist with strong genomic and/or biochemistry expertise. The PDRA will be responsible for one of the objectives within the laboratory's USDA-funded research project aimed at better understanding insect ovary structure and function, the genetic program controlling gametogenesis, and investigation of novel candidate genes for Integrated Pest Management strategies. The laboratory uses single cell RNA-seq as its primary technique, supported with microscopy and protein assays (e.g., Western blots, co-IP, management and analysis of ms/ms data generated by collaborators). The successful candidate will also have the opportunity to develop their own research program that generally aligns with the laboratory's ongoing efforts.

This position is full-time, non-remote, in-residence in Athens, Georgia, USA. The anticipated latest start date is end of Summer ?26, but a sooner arrival date is possible. Initial funding is available for one year, with the possibility of renewal of further years on an annual basis based on satisfactory progress and funding availability. The position has dedicated research, travel, and publication funds.

The position is housed within the Dept. of Entomology at UGA but will have ample opportunity for collaborations with the Dept. of Genetics at UGA and beyond. UGA also has an Office of Postdoctoral Affairs that offers workshops to improve many skill sets needed for a successful academic career.

The applicant should have a Ph.D. in biological sciences (e.g., molecular biology, genetics, evolutionary biology, or closely related field) by the start date. The applicant should have evidence of research productivity in the relevant fields.

Preferred qualifications include: 1) evidence of expertise through first-author, peer-reviewed publications, 2) strong written and oral communications skills, and 3) development of research proposals and independent research questions. The preferred candidate will ideally support the protein assay based objectives of the project.

Review of the applications will begin May 7th and will continue until the position is filled. Applications should be submitted at UGA Jobs at this page: https://www.ugajobsearch.com/postings/476980 .

Questions about the position can be emailed to Chris Cunningham at cbc83@uga.edu.

Christopher Cunningham

Department of Entomology University of Georgia Athens, Georgia 30602

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## VIB-UGent EvolutionarySystemsBiology

POSTDOC IN EVOLUTIONARY SYSTEMS BIOLOGY

The VIB-UGent Center for Plant Systems Biology (PSB, www.psb.vib-ugent.be) is a world-leading plant science institute with the mission to unravel the biology of plants and use the insights gained to improve the sustainability of agriculture and the climate change resilience of crops. The Maere lab at PSB (http://www.maerelab.be) is active in the fields of computational biology, evolutionary genomics and plant systems biology. Current research topics include developing a single-plant omics strategy to unravel the molecular wiring of plant phenotypes, studying dosage balance-sensitive genes in plants, and modeling the evolution of transcriptional systems in silico.

We are currently looking for a talented postdoc to join our team in the context of a project funded by the Research Foundation Flanders (FWO), in which we will model the effects of whole-genome duplication on the evolution of transcriptional systems (https://jobs.vib.be/j/133506/postdoc-in-evolutionary-systems-biology).

Project description

Whole-genome duplications (WGDs) have been found all over the plant kingdom, as well as e.g. in yeast and animal lineages. WGDs have been associated with increased speciation, adaptation to changed environments, domestication of plants and yeasts and the origin or elaboration of evolutionary novelties. In the context of ongoing climate change, WGDs may be a crucial mechanism to help plants and other organisms adapt. However, the evidence supporting these hypotheses is mostly circumstantial, and the molecular mechanisms by which WGD might influence the adaptability and evolvability of organisms remain understudied. The effects of WGD on the evolution of molecular systems have until now only been studied with highly abstracted models. A more detailed modeling approach, inspired on the engineering-type approaches used in molecular systems biology, is needed to get mechanistic insight into the impact of WGDs on the evolution of molecular systems. In this project, we will use a mechanistic, sequence-based genotype-phenotype mapping model in combination with population-based evolutionary simulations to study the evolution of transcriptional systems after WGD. We will in particular study whether and under which circumstances polyploids exhibit a short-term adaptive advantage compared to their diploid progenitors, and whether and how WGD increases long-term evolvability. Based on our simulation results, we will dissect which molecular and evolutionary mechanisms influence the adaptability and evolvability of diploids and polyploids.

Profile

- You have a PhD in Computational Biology, Evolutionary Biology, (Bio)Engineering, Mathematics or Physics. - You have expertise in dynamical systems modeling (ODEs) and machine learning and very strong programming skills (Java, Python). - A background in evolutionary genomics research is a strong plus, as is previous experience in the genome duplication research field. - You have an outstanding publication record in peer-reviewed international journals. - You are fluent in English (spoken and written). - You are meticulous, well-organized, responsible and self- critical. - You have a passion for science and you can think outside the box.

# WorkshopsCourses



## BalearicIsle IslandConservation Oct4-10

Dear colleagues, The ¡https://imedea.uib-csic.es/en/> Mediterranean Institute for Advanced Studies (IMEDEA, CSIC-UIB) is pleased to announce that applications are now being accepted for the Mallorca Science School 2026.

The school is aimed at PhD students, postdoctoral researchers, and advanced Master's students. Its goal is to provide early-career researchers with the knowledge and practical research skills needed to address major environmental challenges, including climate change, biodiversity loss, and the sustainable management of natural resources in emblematic ecosystems.

The school will take place in Mallorca (Balearic Islands, Spain) from October 4 to 10, 2026. Applications will be accepted until May 30, 2026.

Information about the programme and the application process is available through the IMEDEA's website: https://imedea.uib-csic.es/en/research/mallorca-science-school/ The school is partially funded by the Spanish State Research Agency (ref.

CEX2021-001198, MICIU-AEI).

We would greatly appreciate your help in disseminating this announcement. A poster is also available for ¡https://saco.csic.es/s/xB9CKADFcwxKGBx> download.

For further information, please contact: sdo@imedea.uib-csic.es

Kind regards,

Strategic Development Office / Oficina de Desarrollo Estrategico

Instituto Mediterraneo de Estudios Avanzados / CSIC-UIB C/Miquel Marques 21, 07190, Esporles, Balearic Islands, Spain Phone +34 971 611 427 https://imedea.uib-csic.es/

Strategic Development Office ¡sdo@imedea.uib-csic.es¿

## Berlin AngiospermDiversification Jul20-31

Berlin Summer course in floral morphology and angiosperm diversification

There are still some places available on this course. Apply before 15 May to enjoy the early-bird registration.

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 Universitat 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 Universitat 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



Louis Ronse De Craene ¡LRonseDeCraene@rbge.org.uk¿

## DimensionalityReduction UMAPAndBeyond

Hello EVOLDIR members

This seminar offers practical skills for simplifying complex datasets, which can significantly enhance your research capabilities. Dimensionality Reduction with UMAP and Beyond 2.0 led by Nikolay Oskolkov (Lund University) is now available as an on-demand streaming seminar. This seminar explores dimensionality reduction techniques like UMAP, PCA, and tSNE, crucial for managing and interpreting large multivariate datasets common in evolutionary and genetic research. Participants will gain practical skills in applying these methods using R and Python, enabling more efficient analysis of complex genomic, phenotypic, or population data. Learning these techniques will help researchers uncover novel insights and improve the accuracy of their ongoing and future projects in evolution and genetics.

Access this seminar (https://instats.org/seminar/dimensionality-reduction-with-umap-and-b-1) on demand at your own pace, and please pass this to colleagues and students who may find it useful!

Best wishes

Michael Zyphur Professor and Director Instats — instats.org

mzyphur@instats.org

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## GlasgowUK ReproductiveIsolationRIO Dec7-11

Workshop Announcement:

We're excited to share that the ESEB- funded special topic network Integration Of Speciation Research (IOS - https://speciation-network.pages.ist.ac.at/) is hosting a second in-person workshop from 7-11 December 2026 at the Scottish Centre for Ecology & the Natural Environment (Glasgow, UK - https://www.gla.ac.uk/research/az/scene/).

This workshop is aimed at bringing together 40 diverse speciation researchers:

- to collaborate on populating a database of published reproductive barriers based on a standardized RIO framework (https://ecoevorxiv.org/repository/view/10083/). This will involve working through papers during the workshop to extract RI measures and other metadata and entering them into a draft database (some preparatory work before the workshop may be requested to facilitate these steps during the workshop)

- to start working towards a manuscript using this database to answer an outstanding question in speciation

- to network, learn about reproductive isolation, and have fun!

If you are interested in applying to participate in the workshop, please fill out the form in the link below by ** May 20th **. Room & board will be covered by the organizers; all other travel costs are the responsibility of the attendee.

Application link:

https://docs.google.com/forms/d/e/1FAIpQLSenAMqSdZjeRmKEDtBNa5tpjPn7IukPyT5BzfZ4JMpIk2YOEw/viewform The previous IOS workshop was held in Finland in 2023 (see more details at https://speciation-network.pages.ist.ac.at/workshops) and resulted in new interactions between speciation researchers and the successful publication of an Integration of Speciation research manuscript (https://academic.oup.com/evolinnean/article/3/1/kzae001/7609448)

We look forward to seeing you in Glasgow!

All the best, The IoS Network

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## Last-chance Seminar Online WebAppDevelopmentwithShinyinPython

Hello EVOLDIR members

Last chance - This seminar offers practical skills for creating dynamic, interactive tools to enhance your research workflows. Introduction to Web App Development with Shiny in Python is a 2-day seminar livestreaming April 28-29 with Fodil Ihaddaden (Institute for Statistical and Data Science). This seminar introduces developing interactive web applications using Shiny for Python, enabling researchers to create reactive, reproducible tools without JavaScript. Participants will learn to build interactive data explorers and dashboards, which can be applied to visualize complex evolutionary models or genetic data. The skills acquired will help researchers present their findings interactively, enhancing transparency and accelerating discovery in evolutionary biology and genetics research.

Sign up today (https://instats.org/seminar/introduction-to-web-app-development-with) to secure your spot, and please share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Professor and Director Instats — instats.org

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## Last-chanceSeminarOnline WhatGrantReviewersSeek

Hello EVOLDIR members

Last chance - Discover practical strategies to enhance your research proposals and secure crucial funding. What Do Grant Reviewers Look For? (Free Seminar) is a 2-day seminar livestreaming May 13 with Phil Batterham (National Centre for Epidemiology and Population Health, Australian National University). Understanding grant reviewer expectations is crucial for advancing evolutionary and genetics research careers. This seminar helps researchers apply reviewer criteria to strengthen proposals, ensuring methodological rigor and clear articulation of significance for their evolutionary studies. Participants will learn to refine aims, justify methods, and address common critiques, directly improving funding prospects and publication success in their field.

Sign up today (https://instats.org/seminar/what-do-grant-reviewers-look-for-free-se) to secure your spot, and please share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Professor and Director Instats — instats.org

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## Online aDNAMetagenomics May4-6

Dear all,

We have just a few seats left for the upcoming Physalia online course "Ancient Metagenomics" (4-6 May, 2-8 PM Berlin time).

Course website: ( https://www.physalia-courses.org/courses-workshops/adna-metagenomics/ )

This course offers a practical introduction to analysing ancient DNA from archaeological samples, covering key challenges and modern bioinformatics approaches. You will gain hands-on experience with quality control, taxonomic profiling, contamination assessment, authentication, and the aMeta workflow.

By the end of the course, attendees'll be able to confidently analyse ancient DNA metagenomic data and choose appropriate tools for your research questions.

For the full list of our courses and workshops, please visit: For more information, please visit: ( https://www.physalia-courses.org/courses-workshops/adna-metagenomics/ )

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/ )

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## Online BigDataPhylogeny Jun23-26

Dear all,

We are pleased to announce the upcoming Physalia online course, Big Data Phylogeny and Comparative Methods: From Theory to Practice, taking place from 23-26 June.

Course website: ( https://www.physalia-courses.org/courses-workshops/bigphylogenies/ )

This 4-day course offers a hands-on introduction to phylogenetic methods and comparative evolutionary analyses. Participants will learn to construct and interpret phylogenetic trees, map traits and gene families, apply phylogenetic comparative methods, and explore evolutionary dynamics from micro- to macroevolutionary scales.

By the end of the course, participants will be able to perform reproducible phylogenetic analyses, visualize and interpret evolutionary patterns, and integrate genomic and phylogenetic data in applied projects.

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

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846 ( https://www.linkedin.com/in/physalia-courses-a64418127/ )

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## Online ConservationGenomics Apr7-10

Dear all,

There are only a few seats available for our Conservation Genomics online course, taking place from 7-10 April.

Course website: ( https://www.physalia-courses.org/courses-workshops/course62/ )

This course introduces participants to the use of population genomics tools for conservation, covering everything from study design and genomic data collection to SNP filtering and advanced analyses such as population structure, local adaptation, effective population size, inbreeding, and relatedness. Hands-on exercises in R and Linux environments will allow you to manipulate, visualize, and interpret genomic data in a conservation context.

Learning outcomes include: Study design and genomic data collection methods Handling genomic data from raw reads to filtered SNP datasets Assessing population structure Searching for signals of adaptation Estimating effective population size Calculating inbreeding Estimating relatedness

For the full list of our courses and workshops, please visit: ( https://www.physalia-courses.org/courses-workshops/course62/ )

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 DemographicInference Jul20-24

Dear all,

We would like to announce the upcoming Physalia online course "Model-Based Demographic Inference from Population Genomic Data", taking place from 20-24 July.

Course website: ( https://www.physalia-courses.org/courses-workshops/demoinference/ )

This course provides a comprehensive introduction to the theory and practice of evolutionary demographic inference, focusing on two broad classes of population genomic data: frequency-based data (e.g. SNPs, structural variants, site frequency spectra) and haplotype-based data (e.g. whole genomes and haplotype alignments). . Participants will gain hands-on experience with widely used tools and frameworks, including coalescent simulations, SFS-based inference, isolation-with-migration models, and Sequentially Markovian Coalescent approaches.

This course is intended for graduate students, postdoctoral researchers, and other researchers interested in population genomics and statistical inference, with a particular focus on introducing model-based demographic inference from NGS data. Participants are expected to have a basic background in population genetics, and previous programming or scripting experience is required.

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

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/ )

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## Online DNAMethylation Apr20-24

Dear all,

We would like to inform you that only a few seats remain for the upcoming online course DNA Methylation in Ecology and Evolution, taking place from 20-24 April.

Course website: ( https://www.physalia-courses.org/courses-workshops/dnamethylation/ )

This five-day course will provide both theoretical background and hands-on training in the analysis of DNA methylation data, covering short-read (Illumina WGBS/EM-seq) and long-read (Oxford Nanopore and PacBio) approaches. Participants will work through the full workflow, from data processing to the identification and interpretation of differentially methylated regions, with a focus on applications in ecology and evolution, including non-model organisms.

Sessions will run daily from 14:00 to 19:00 (Berlin time) and include lectures, guided practicals, and interactive discussions.

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

If you are interested in joining, we encourage you to register soon, as places are limited.

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/ )

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## Online GenomeAnnotation May19-21

The Computational Biology Core at the University of Connecticut is hosting virtual bioinformatics workshops this year! We still have space available in our Genome Annotation Workshop (virtual but live instruction - May 19-21). This hands-on workshop will cover genome assembly validation, annotation using tools such as Helixer, BRAKER, and EASEL, and evaluation of annotation results. Participants will gain practical experience with real datasets and learn how to generate high-quality genome annotations.

Learn more & register here: https://bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams) WHEN: 10:00 AM - 2:00 PM EST COST: 500($UConnaffiliates$);600 (External participants)

Registration is first come, first served.

Questions? E-mail cbcsupport@helpspotmail.com

zsc25001@uconn.edu

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## Online GWAS May18-22

Dear all,

There are only a few seats are still available for our upcoming online course "Introduction to Genome-Wide Association Studies (GWAS)", taking place 18-22 May.

Course website: https://www.physalia-courses.org/courses-workshops/course49/ This 5-day course provides a complete overview of GWAS analysis, guiding participants through the full workflow–from study design and data preparation to statistical modelling, interpretation, and post-GWAS analysis. The course combines lectures with extensive hands-on training, ensuring a strong practical learning experience.

Participants will learn how to:

Design and interpret GWAS studies Perform quality control and data preprocessing Run association analyses using linear and logistic models Handle missing data and genotype imputation Build reproducible GWAS pipelines Understand statistical challenges such as population structure and multiple testing Explore post-GWAS and alternative analytical approaches For the full list of our courses and workshops, please see: https://www.physalia-courses.org/courses-workshops/

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## Online IntroPython May6-15

Dear colleagues,

If you are an evolutionary biologist and a Python novice, you might be interested in the course "Introduction to Python for Biology", offered by Transmitting Science.

Course webpage: https://www.transmittingscience.com/courses/statistics-and-bioinformatics/introduction-to-python-for-biology/ The aim of this course is to introduce participants to Python programming for biological data analysis, including focusing on basic syntax, data handling and reproducible workflows.

During the course, we will work on datasets and questions from the fields of evolutionary biology and ecology.

After completing this course, participants will be able to apply Python programming automation to their own research problems and should be equipped to continue their own Python learning. By the end of the course, participants will be able to:

* Understand basic Python syntax and programming concepts. * Manipulate and analyse biological datasets using Python. * Develop reproducible analysis workflows.

For any questions, please write to courses@transmittingscience.com

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 MachineLearningForEcolTimeSeries

Apply Machine Learning to Your Ecological Time Series Analysis with Machine Learning for Ecological Time Series (METR01) Take your ecological modelling to the next level by mastering modern machine learning techniques applied to time series data - one of the fastest-growing and most impactful areas in ecological research. This advanced, hands-on course is designed for ecologists, researchers, and practitioners who want to extract deeper insights, improve predictive performance, and handle complex temporal patterns in ecological datasets.

What you'll learn

Core machine learning approaches for ecological time series Handling temporal autocorrelation and non-stationarity Building and tuning predictive models in REvaluating model performance and avoiding overfitting Applying methods to real-world ecological datasets Expect a highly practical format combining theory, real datasets, and guided coding exercises - consistent with PR Stats' applied training approach.

Who should attend?

Ecologists and environmental scientists PhD students and academic researchers Data analysts working with temporal or monitoring data Anyone looking to apply machine learning to ecological problems

Why take this course? Ecological time series are central to understanding biodiversity change, climate impacts, and ecosystem dynamics. Machine learning offers powerful tools - but only when applied correctly. This course will help you move beyond basic analysis to build robust, interpretable, and high-performing models you can confidently use in research and decision-making.

Learn more & enrol Explore the full course details here: PR Statscourse page for Machine Learning for Ecological Time Series (METR01)

Questions? Email:oliver@prstats.org

Oliver Hooker PhD.

PR stats

Oliver Hooker ¡oliverhooker@prstatistics.com¿

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## Online MultivariateDataWithRandVegan 4-7May

Dear all, There are only a few last seats are still available for our upcoming online course: Multivariate Data Analysis with R and vegan

Dates: 4-7 May

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

This practical course introduces the main methods for analysing multivariate ecological data using R and the vegan package.

Topics include: Unconstrained ordination (PCA, NMDS, PCoA) Constrained ordination (RDA, CCA, db-RDA) PERMANOVA and PERMDISP Permutation-based statistical inference Applications to ecological and high-throughput (metabarcoding/metagenomics) data The course is hands-on, with guided exercises and practical examples throughout. It is designed for PhD students and researchers with basic R experience who want to gain confidence in analysing multivariate data.

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

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

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## Online ProbabilisticPhyloComparativeMethods Oct5-16

Dear colleagues,

Transmitting Science is offering a new edition of the live online course "Dive Deep into Probabilistic Phylogenetic Comparative Methods".

Course webpage: https://www.transmittingscience.com/courses/evolution/introduction-to-probabilistic-inference-of-phylogenetic-comparative-methods-pcm-using-julia/ This course offers an advanced understanding of probabilistic inference and its application for Phylogenetic Comparative Methods (PCM). Participants will gain a deeper knowledge of the stochastic processes, their inference and computation behind PCMs as well as their biological interpretations.

Topics covered include basic foundations (i.e., diffusion processes such as Brownian motion, time-continuous Discrete Markov models, birth-death models) to then build-up to the more advanced models that allow for interdependence between processes (i.e., environmental and geographic diversification, inference of biotic interactions). The course will combine introductory lectures and hands-on exercises.

For any questions, please write to courses@transmittingscience.com

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 ReproducibilityWithR June8-11

Dear all, We are pleased to announce our upcoming online course: Reproducibility in Data Analysis with R

Dates: 8-11 June

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

Reproducibility is a fundamental aspect of good scientific practice, yet in many projects analyses remain difficult to rerun or verify. Missing files, changing software versions, unclear workflows, and poorly documented code often make even our own results hard to reproduce over time. In this course, we focus on practical solutions to these challenges. The goal is to help participants develop a clear, structured, and reliable workflow for data analysis in R, from the early stages of a project to sharing final results.

We will work in a very hands-on way, combining short lectures with live coding and exercises. Participants will learn how to organise projects properly, document their analyses, and manage software dependencies so that results remain stable and reproducible over time.

We will also introduce a set of widely used tools that are now standard in many research environments, including Quarto for reproducible reporting, Git and GitHub for version control and collaboration, and renv for managing R environments. In addition, we will show how to structure projects as research compendia, making code, data, and documentation easier to share and reuse.

Finally, we will explore how computational environments can be made fully portable using Docker containers, ensuring that analyses can be reproduced across machines and in the future without technical issues. By the end of the course, participants will have a practical, end-to-end workflow for reproducible research that can be directly applied to their own projects.

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

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## Online StructuralPhylogenetics Nov2-6

Dear colleagues, Transmitting Science is offering the live online course "Structural phylogenetics: putting protein structure into phylogenetic inference". Course webpage: https://www.transmittingscience.com/courses/evolution/structural-phylogenetics/ Structural phylogenetics is an emerging area that attempts to add information from protein structure to traditional amino-acid-based phylogenies of proteins. As protein structure is typically more conserved than sequence, this approach is likely to be useful for phylogenetic problems where amino acid sequence similarity is highly decayed due to long time periods or rapid evolution. The advent of AI/LLM-assisted structural prediction algorithms like AlphaFold has made it feasible to apply these methods without being limited to only experimentally solved Protein Data Bank (PDB) structures. This course will review various proposed approaches and their assumptions, and guide students to implement and compare several of them. For any questions, please write to courses@transmittingscience.com Best regards, Haris – Haris Saslis, PhD Course Coordinator Transmitting Science www.transmittingscience.com (to subscribe/unsubscribe the EvolDir send mail to evoldir@evoldir.net) evoldir@evoldir.net)

## Switzerland UNILSummerSchoolon-ModellingofEvolutionaryBiology

We are pleased to announce the second edition of the UNIL Summer School on Modelling for Evolutionary Biology.

This is an intensive week of seminars, lectures, practical sessions, and collaborative work, aimed primarily at PhD students interested in using formal models in evolutionary ecology. We cover the fundamentals of invasion analysis and its links to population and quantitative genetics, and apply these tools to questions in social evolution, life-history evolution, and species interactions.

The course is open to participants from any institution and we particularly welcome international students.

Application deadline: 27 June 2026 Scholarship deadline: 15 May 2026 (covering travel and tuition for selected participants)

Full details and programme available at: https://www.unil.ch/unil/en/home/menuinst/etudier/programmes-courts/summer-winter-schools/modelisation-pour-la-biologie-de-l-evolution-1.html With best wishes, Charles Mullon Departement d'Ecologie et d'Evolution Universite de Lausanne

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## Wageningen NL Polyploid-population genetics Sept10-13

Population genetics of polyploids, from theory to practice

10th-13th September, Ede (Wageningen), Netherlands

Teachers: Jorn Gerchen, Filip Kolar, Patrick Meirmans & Alison Scott

Polyploidy is widespread and frequent in plants, but also occurs in animals such as fish and amphibians. However, our understanding of the genetics of polyploid populations is still poor, mainly because population genetics theory was originally developed for diploids. Moreover, there is often a gap between theory developed for polyploids and its practical implementation. This hands-on workshop will attempt to bridge this gap. Simulation-based exercises (among others using R) will elucidate theoretical foundations of both diploid and polyploid population genetics, and cases of mixed ploidy. Additionally, analyses of real(istic) example datasets will give participants hands-on training in several available methods for the population genetic analysis of polyploids.

Application: The course is aimed at PhD students, but we will consider applications from experienced Master-students and early-postdocs. The number of participants is limited, and we will select participants based on their motivation, career stage and topical relevance. The workshop can be attended independently, without linked general conference attendance (Sept 6-9). The deadline for applications has been extended to June

1.Costs: 380 EUR

See more at https://www.pe-rc.nl/events/bioinformatics-workshop-10-13-september-2026 – Filip Kolar Department of Botany Faculty of Science, Charles University Benatska 2, CZ - 128 01, Prague, Czech Republic & Institute of Botany Czech Academy of Sciences 252 43 Pruhonice, Czech Republic

https://www.plantecologicalgenomics.cz/



# Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to evoldir@evoldir.net. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to evoldir@evoldir.net. In addition, if it originates from 'blackballed' addresses it will be sent to evoldir@evoldir.net. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to evoldir@evoldir.net. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evoldir.net. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. ... plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be sent to evoldir@evoldir.net and processed later. In either case, please do not expect an instant response.

# Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.