E v o l D i r

September 1, 2025

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

Foreword

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

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

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

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Conferences

ArizonaStateU CellularEvolution Nov5-8

Title:Mechanisms of Cellular Evolutionï¿½s 2025 Symposium at Arizona State University

na.eventscloud.com/cmesymposium2025

The Fourth Annual Symposium on Mechanisms of Cellular Evolution, sponsored by the National Science Foundation BII Program, will again be held at Arizona State University. This yearï¿½s topics focus on the Unicellular Diversification of Cell Types and Division Systems spanning the broad topics of (i) Origin and evolution of cell types in unicellular eukaryotes (ii) Diversity and evolution of cellular division mechanisms (iii) Evolution of cell form and function. The symposium aims to bring together leading researchers and experts from diverse fields to discuss current advances and future directions in evolutionary cell biology, and to provide opportunities for interdisciplinary discussions, knowledge sharing, and collaboration.

Abstracts We are soliciting for abstracts for poster presentations and selected short-talks. The deadline for submission of these is October 1, 2025 @11:59pm Arizona time.

Event Dates Wednesday, Nov. 5 - Saturday, Nov. 8, 2025

Location Biodesign Bldg B Arizona State University Tempe Campus 727 E Tyler Street Tempe, AZ 85281

Key Deadlines June 10, 2025 Event Registration OPEN Call for abstract submissions OPEN October 1, 2025 Call for abstract submissions CLOSES October 15, 2025 Registration CLOSES

For more information Please contact the Program Manager, Hisham Ali, atahisham@asu.edu

Hisham Abu Ayyub ALI <ahisham@asu.edu>

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Kunming 4thAsiaEvo AnimalAppendageEvoDevo Dec8-11

Title: Kunming 4thAsiaEvo AnimalAppendageEvoDevo Dec8-11

The 4th AsiaEvo Conference is to be held at Kunming, China from December 8th-11th: https://2025asiaevoconf.casconf.cn/page/-1871808601803329537 The confirmed keynote speakers include Profs. Mark Stoneking, Michael Lynch, Min Zhu, Scott Edwards, Shigeru Kuratani and more: https://2025asiaevoconf.casconf.cn/page/-1876555451991199744 I am organising a symposium with my student Wen Kang 'The Evolution and Development of Animal Appendages' with three invited speakers: Cheng-Ming Chuong from USC, Xing Xu from IVPP, Chinese Academy of Sciences and Antonia Monteiro from NUS

Appendages represent one of the most extraordinary examples of evolutionary innovation, underpinning the adaptive diversification of animals across disparate eco-

logical niches. From the emergence of paired fins in jawed vertebrates to the remarkable morphological radiation of tetrapod limbs, arthropod appendages, and integumentary structures such as scales and feathers, appendages have played a pivotal role in shaping animal form and function. This symposium integrates paleontology, classical evolutionary developmental biology (evo-devo), and cutting-edge genomic and cellular approaches to unravel the mechanisms underlying appendage origin, development, and evolution.Modern evo-devo research has redefined appendages as dynamic secondary body axes characterized by distinct proximo-distal patterning mechanisms. This expanded framework encompasses not only classical limbs but also genital structures, tails, and even "virtual appendages" like butterfly eyespots. Despite their vast morphological diversity, appendages share deeply conserved developmental pathways, including HOX, Hedgehog, BMP, and WNT signalings, that have been repeatedly co-opted and modified throughout evolution. Also, key evolutionary transitions, such as the fin to limb transition in vertebrates, the scale to feather transformation in avian ancestors, and the modification of arthropod appendages into specialized structures like insect wings and beetle horns, provide critical insights into how developmental constraints and innovations drive evolutionary change.Overall, this symposium aims to offer deep insights into the developmental and evolutionary mechanisms in different types of appendages and ultimately advance the understanding of life's morphological innovations.

Please submit your abstracts of oral or poster presentation to the session, look forward to see you in Kunming, the 'spring city' this winter.

Qi Zhou zhouqi1982@zju.edu.cn qizhoulab.org

Zhejiang University

Zhou Qi <zhouqi1982@zju.edu.cn>

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Online AnimalBehaviour Nov13-14

Dear Colleagues,

We are *Animal Behaviour Live*, an international online platform dedicated to promoting **sustainable, inclusive, and accessible scientific events**, fully streamed on YouTube.

We are excited to announce that the **sixth edition** of our **Annual Online Conference** will take place on **13-14 November 2025**.

As always, the conference is **completely free** and open to all members of the global research community. To accommodate participants across time zones, the event will be split into **six sessions (three per day)**:

- **Session 1**: 06:00 - 10:00 UTC - **Session 2**: 14:00 - 18:00 UTC - **Session 3**: 22:00 - 02:00 UTC

Across these sessions, participants can enjoy: 6 plenary talks, 24 short presentations, a poster session running throughout the conference, workshops and a few fun surprises!

Register / Submit an abstract (deadline: 7 September 2025) / More info: (https://-ablaoc25.sciencesconf.org)—

The conference is organised by a small team of early-career researchers on a voluntary basis. Its success relies on the enthusiasm and support of the community **you!** If you know colleagues or collaborators who may be interested, please help us spread the word.

- Forward this email to anyone who might be interested - Share the **conference flyer** (download it here https://f2fgt.r.a.d.sendibm1.com/mk/-cl/f/sh/SMK1E8tHeG13E8ldhwQ1MX5GoAnY/-QOkk5hl3iTTJ) - Share our announcements via your social media channels (https://linktr.ee/-animalbehaviourlive).

If you have any additional questions, please contact us at animalbehaviourlive@gmail.com. You can also follow us on social media for active updates and reminders on events.—

Thank you very much for your support we hope you will join us online this November!

Best wishes,

The organising committee

Meet the team https://f2fgt.r.a.d.sendibm1.com/mk/-cl/f/sh/SMK1E8tHeGtwrHLH9Fdu79VCaZTc/-gmUHm3dCBoUL Animal Behaviour Live <animalbehaviourlive@gmail.com>

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Online SORTEE EvolutionaryBiol Oct15-16

Check out the program for the fourth virtual SORTEE Conference, happening in October 2024.

Dear Colleague,

We are excited to announce that the program for the 2025 Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology (SORTEE) Conference is now available online through the SORTEE Shiny app.

We look forward to your participation in unconferences, hackathons, workshops, introductions to open science and plenary presentations by: 1) Dr. Israel Borokini: "Advancing Ecology and Evolutionary Research in the Global South - African context" 2)Prof. Simine Vazire: "Journal Prestige Can and Should be Earned"

To register for the fifth SORTEE Conference, please visit: https://sortee.org/upcoming/. The conference will run continuously from

15 October 07:00 UTC to 16 October 10:00 UTC to cover all time zones.

We hope to see you in October.

Sincerely, The SORTEE Conference Committee

SORTEE Conference Committee <conference@sortee.org>

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Online YoungSystematistsForum Nov14

Registration opens on Monday

27th YOUNG SYSTEMATISTS' FORUM

Friday 14th November 2022, 9:30 am GMT

ZOOM Online

The annual Young Systematists' Forum represents an exciting setting for Master's students, PhD students and young postdoctoral researchers to present their work, often for the first time, to a scientific audience interested in taxonomy and systematics. This well-established event provides an important opportunity for budding systematists to discuss their research in front of their peers within a supportive environment. Supervisors and other established systematists are also encouraged to attend.

Prizes will be awarded for the most promising talk and flash presentation as judged by a small panel on the day.

Registration is FREE. https://systass.org/young-systematists-forum/ When you register you will be asked to supply your name, contact information and tell us whether you wish to give a full talk or flash presentation. Please also tell us your academic stage - e.g., Masters, PhD or postdoc and affiliation. Abstract submission and registration are separate portals, both on the YSF event page.

Spaces will be allocated subject to availability and for a balanced programme of animal, plant, algal, microbial, molecular and other research. Non-presenting attendees are also very welcome - please register as above.

Abstracts must be submitted by e-mail in English and in Word format no later than Saturday 18 October 2025. The body text should not exceed 150 words in length. Title, authors, and their professional affiliations/addresses should be included with the abstracts. If the presentation is co-authored, the actual speaker must be clearly indicated in BOLD text. The file should be in editable format (.doc or .odt, not pdf) and titled Surname_First-name_YSF2025.doc, for example Doe_Jane_YSF2025.doc.

If you have presented a talk at the YSF before, we ask that you submit only for a flash presentation, as speaker slots are limited and we want to give as many people a chance as possible. If you are a postdoc, please be aware that we might not be able to give you a chance to present here, as the aim is to give more junior researchers their first experience in a supportive international setting.

All registered attendants will receive further information about the meeting, including abstracts, by e-mail one week in advance. This information will also be displayed on the Systematics Association website (www.systass.org).

If you have questions, feel free to contact us at

ysf@systass.org

Last year's meeting was very dynamic, with wide international attendance and great interactions.

We're looking forward to meeting you online!

YSF 2025 Organising Team: Ellinor Michel, Ana Serra Silva, Kalman Konyves, Peter Mulhair, Katie Collins, Pablo Muñoz-Rodrguez

Organised by

The Systematics Association

With additional sponsorship from:

The Natural History Museum, London, Kew Botanical Gardens, CRC Press

Ellinor Michel <e.michel@nhm.ac.uk>

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SMBE SatelliteMeetings CallForProposals

Society for Molecular Biology and Evolution

Call for Proposals 2026 SMBE Satellite, Interdisciplinary and Regional Meetings Deadline August 15, 2025

Dear SMBE members,

Each year, SMBE funds several SMBE SATELLITE, INTERDISCIPLINARY AND REGIONAL MEETINGS. These meetings are organized and held independently of the SMBE annual meeting.

SMBE is now calling for proposals for meetings and actions to be held between Jan 2026 and Dec 31st 2026.Funds will be awarded on a competitive basis to members of the molecular evolution research community to run meetings on an important, focused, and timely topic of their choice. The number of awards will depend on the quality of proposals, total cost and the budget available.

A list of upcoming and previous SATELLITE/INTERDISCIPLINARY/REGIONAL SMBE meetings can be found here.Please also consult our archive for further information on previous Satellite, Regional and Interdisciplinary meetings.Participants of Satellite/Interdisciplinary/Regional meetings are eligible for

SMBE Caregiver Award. The deadline for submission of proposals is August 15 2025. Decisions will be communicated to the applicants mid-September 2025.

PROPOSALS INSTRUCTIONS

Satellite meeting/workshop proposals should be sent by email to the executive administrator of the society Lulu Stader (smbe.contact@gmail.com) and will be considered by the selection committee comprising council members Juliana A. Vianna (jvianna@uc.cl) and Aya Takahashi (ayat@tmu.ac.jp).

Please complete and return this form (click to download file) and include the information below. The deadline for submission of proposals is August 15th 2025.

1. Provide the name(s), gender, career stage, and full contact information for all organizer(s) and the name of the institution(s) involved. Universities/organizations providing additional financial support, if involved, should also be listed. If additional funding is being simultaneously applied for, please state the status of that request as well. Please specify organizers who are SMBE members.

2. Meeting summary (4 single-spaced pages max).Describe the scientific rationale for your proposed meeting. In doing so, be sure to clearly state(1)the importance and timeliness of the topic;(2)the anticipated short-term and long-term impacts of your meeting on the fields of molecular biology, genome biology, and evolution; (3)for satellite meetings only: why a small meeting format is preferable to a symposium at the SMBE annual meeting; (4)for interdisciplinary actions only: the relevance of mixing communities (for joint meetings, symposia and plenary lectures at non-evolution meetings);(5)for regional meetings outside the US/Canada, Europe, and Japan only: the relevance of promoting actions in specific regions;(6)for small regional meetings in the US/Canada, Europe, and Japan only: the extent and nature of student/postdoctoral fellow involvement. 3. Structure of the meeting. (1)the proposed structure of your meeting (e.g., lectures only, lectures + hands-on training sessions, contributed talks, poster sessions, etc.);(2)an indicative list of proposed invited speakers including their gender, geographical origin and career stage; 4. Financial summary.Please summarize your financial request, including estimated total budget, registration costs (if any), travel support for speakers / trainees, costs of the venue (if any), and details of non-SMBE funds to be used.

You may find the full proposal guidelines here for reference.

Warm regards, SMBE Business Office

Society for Molecular Biology and Evolution +1.785.289.2056 smbe@am.kwglobal.com https://www.smbe.org/smbe/ https://bsky.app/profile/official-smbe.bsky.social This email was sent on behalf of Society for Molecular Biology and Evolution located at 301 Concourse Boulevard, Suite 210, Glen Allen, VA 23059. If you have questions or comments concerning this email contact Society for Molecular Biology and Evolution at smbe@am.kwglobal.com.

Society for Molecular Biology and Evolution <smbe@am.kwglobal.com>

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SmokyMountains SEPEEG EvolGenet Oct3-5 RegistrationNow

The 52nd annual Southeastern Population, Ecological, and Evolutionary Genetics meeting (SEPEEG, pronounced "seepage") will be held on the weekend of October 3-5 at the Great Smoky Mountains Institute in Tremont, TN. SEPEEG provides a friendly, informal setting for students, postdocs, and faculty to meet, talk science and relax around the campfire. This year's meeting is jointly hosted by the University of Tennessee Dept. of Ecology and Evolutionary Biology (Ben Fitzpatrick, benfitz@ufk.edu, organizer) and the University of Florida Dept. of Biology (Charlie Baer, cbaer@ufl.edu, organizer). Registration is now open. The cost is $200/person. More information is on the SEPEEG web site < https://sepeeg2025.blogspot.com/ >. Please contact the organizers for further information.

"Baer,Charles" <cbaer@ufl.edu>

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TIBS Aarhus Biogeography Jan6-10 26

Dear colleagues,

Join us for the 12th Biennial Conference of The International Biogeography Society, to be held 6 - 10 January 2026 in Aarhus (Denmark). The program for our conferences is shaping up, and abstracts are beginning to stream in - secure your slot for a 15-min contributed paper or a poster now.

ABSTRACT SUBMISSION (https://www.xcdsystem.com/ibs/abstract/index.cfm?ID=-fBaQJ1c) is now open and will close on 1 September.

Read more about Aarhus and the conference here:

https://conferences.au.dk/tibs-aarhus-2026

Kind regards

Alexandra Muellner-Riehl

muellner-riehl@uni-leipzig.de

TIBS Board

Alexandra Muellner-Riehl <muellner_alexandra@yahoo.de>

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UQueensland Australia MarineEvolBiol Nov25-28

Invitation to the 3rd West Pacific Marine Biology Symposium 25-28 November 2025 | The University of Queensland, Brisbane, Australia

The University of Queensland and the Centre National de la Recherche Scientifique (CNRS) Biologie is delighted to invite you to the 3rd West Pacific Marine Biology Symposium, taking place in Brisbane, Australia.

Launched by CNRS Biologie (France), the West Pacific Marine Biology Network promotes partnerships among laboratories in France, Australia, Japan, Taiwan, Singapore, Korea, and other Pacific nations. Together, we aim to understand, protect, and harness the extraordinary biological richness of the western Pacific Ocean.

Symposium Themes

The 2025 meeting will explore the biological mechanisms underpinning organismal and ecosystem function and health, with a particular focus on:

* Environmental adaptation, development, and physiology * Molecular, cellular, microbial, and genomic biology * Behaviour, sensory biology, and biochemistry

Registration is Now Open!!

https://westpacificmarinebiology.network/wpmbn/-

meetings/3rd-wpmbn/ Early bird registration rates (until 30 September):

* Students: $143 AUD * Academics: $220 AUD

Optional field trips to UQ's Heron Island Research Station and Moreton Bay Research Station will be available before and after the symposium.

We look forward to welcoming you to Brisbane!

On behalf of the Organising Committee 3rd West Pacific Marine Biology Symposium §Enquiries: marine-events@uq.edu.au

marine-events@uq.edu.au

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ViladoConde Portugal ARGEvol Nov12-14

Dear all,

Join us for a conference/workshop on the use of Ancestral Recombination Graphs in the study of evolution! ARGEvol is a three-day event that will take place in Vila do Conde (Portugal) from 12 to 14 November, and will include both conference-style sessions as well as hands-on workshops.

Day 1 will start with an introduction to ARGs and related concepts, after which we will focus on ARG inference and analysis (Day 2), and then move on to model-based approaches such as spatial inference (Day 3).

Registration and abstract submission are open (see links below). The deadline for abstract submission has been extended until 31 August.

For full details and the preliminary programme, see the flyer (link below). For questions please contact Laura Meyer (laura.meyer@umontpellier.fr).

We hope to see you there!

Best regards, The organisers

Laura Meyer and Pierre-Alexandre Gagnaire (ISEM) Pierre Barry and Rui Faria (CIBIO, Portugal)

Flyer: [https://listes.umontpellier.fr/sympa/d_read/-evolmontp/ARGEvol/ARGEvol_flyer_international.pdf]

Registration (deadline 30 Sept.): [https://docs.google.com/forms/d/1olCy-j3AhXYRNVu_dGaeBmM7JJ9vVmrQci4_ocsPNA8/-edit#responses]

Abstract submission (deadline 31 Aug.): [https://docs.google.com/forms/d/e/-1FAIpQLSdyy5vWRkvZ7NSnpyUzoh0mmqurL4kW8OgetLwsNmfojiA1
viewform?usp=sharing&ouid=114890495460858973738]

Conference dates: 12-14 Nov. 2025

Venue: Vila do Conde, Portugal

Invited speakers: Yun Deng (University of California, Berkeley) Debora YC Brandt (University College London) Daria Shipilina (ISTA Vienna) James Kitchens (University of California, Davis) Yan Wong (BDI, Oxford)

Laura Meyer <laura.meyer@umontpellier.fr>

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GradStudentPositions

AuburnU BehaviorEvolution

The Mizumoto Lab is recruiting one graduate student (either PhD or master's level). The student is expected to develop a research question on the diversity/evolution of termite social/collective behavior in a phylogenetic framework. Research topics include, e.g., image analysis of tunneling behavior, movement tracking of tandem running behavior, developing a mathematical model of social evolution, and social parasitism interactions. We study diverse termite species across local, national, and international ranges, but particular focus can be on Reticulitermes spp in the Southeastern US region, compared with species in other regions. This research involves fieldwork, behavioral observations, video tracking, computational data analysis, and simulation modeling. Graduate students are fully funded through research assistantships and will conduct research under the guidance of Dr. Nobuaki Mizumoto. Students are expected to present their research at national and international conferences, publish papers in international peer-reviewed journals, and actively participate in laboratory and departmental events.

For consideration, please send the following materials to nzm0095@auburn.edu 1. CV listing relevant coursework, skills, and research experience 2. Cover letter (1-2 page) addressing research interests and research experience, mentioning at least one paper from the lab website. 3. Transcript 4. Contact information of three references (letters will be required during the formal application process)

The position starts in January 2026. Review of materials starts mid-September and continues until the position is filled. Selected applicants will be interviewed over Zoom. Auburn University is an R1 research university located in a beautiful college town, offering many opportunities for nature-related activities. The Mizumoto Lab is part of the Department of Entomology & Plant Pathology, known for its friendly environment and rich tradition. Auburn hosts several labs studying social insects (ants, bees, termites), providing excellent opportunities to develop future research networks. Auburn University is committed to an inclusive and diverse campus environment. Traditionally underrepresented groups are encouraged to apply.

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

Nobuaki Mizumoto Assistant Professor Dept. of Entomology & Plant Pathology Auburn University 376A Funchess Hall Auburn, AL 36849 334-844-5032 mizumoto-lab.com

Enjoy asynchronous communication. No need to immediately respond to my messages outside your regular work hours.

nzm0095@auburn.edu

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BC-CAS Czechia ButterflyConservationGenomics

Graduate position: BC-CAS_Czechia.ButterflyConservationGenomics

PhD Position: Butterfly Conservation Genomics

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

Closing date: September 12, 2025

We are seeking a motivated PhD student to join our international team at the Biology Centre, Czech Academy of Sciences. You will be part of an exciting project on population and comparative genomics of threatened butterflies, with the aim of quantifying how habitat fragmentation affects genetic diversity and adaptive potential in one of the most species-rich yet highly threatened biotopes in Europe ??? dry grasslands and steppes.

You will have the opportunity to carry out fieldwork across the Czech Republic and work closely with local managers and with the Czech Nature Conservation Agency. New whole-genome sequencing data will be mapped to chromosome-level reference genomes provided by our partners at Project Psyche (https://-www.projectpsyche.org/). Access to continental-scale field samples and standardized population genomics protocols will be provided by the European Population Genomics Consortium ??? LepEU (https://-lepeu.github.io/).

Priority will be given to candidates who have co-authored at least one scientific publication (submitted or accepted). Experience with population genetics, comparative genomics and/or the analysis of genomic data using bioinformatics protocols is advantageous.

Multiple avenues for networking, hands-on training and mobility will be available. Our research team is part of the 10kLepGenomes COST Action (chaired by Prof. Niklas Wahlberg, Lund University, Sweden; https:/-/10klepgenomes.eu/) and close collaborators in this project include Prof. Mark Blaxter and Dr. Joana Meier (Wellcome Sanger Institute, UK), Dr. Kay Lucek (University of Neuch??tel, Switzerland) and Prof. Chris Wheat (Stockholm University, Sweden).

Required qualifications:

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

- Good communication skills in English.

- Independence and documented research productivity.

Funding and Environment:

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

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

How to apply:

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

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

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

The deadline for applications is September 12, 2025. The top ranked candidates will be selected for an interview in English. The start date is expected in autumn 2025.

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

Dr. P??vel Matos-Marav??

Biology Centre, Czech Academy of Sciences

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

Email: pavel.matos@entu.cas.cz

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

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BrighamYoungU DragonflyMuscleMetabolismEvol

A fully funded PhD position is available in the Nelson and Bybee labs at Brigham Young University. The student will explore the evolution of metabolism across a range of dragonfly adaptations that involve flight. The project has specific aims, but there is freedom for the student to innovate and design their own research project beyond the existing aims, dependent on funding, scope, and student performance. The project will combine physiology, transcriptomics, and genomics.

We seek applicants with a strong interest in evolution and skills in fieldwork, bioinformatics, and leadership who can be a team player while also mentoring students.

BYU is a large (~34,000 students) private institution located in Utah in the Rocky Mountains. It is an outdoor paradise. The successful applicant will have the ability to do high-end research in cutting-edge labs at the foothills of the Wasatch Front within 3.5 hours of five national parks.

The application deadline is February 1st, 2026 (https://gradstudies.byu.edu/applying-to-byu-graduate-studies), but discussing the project beginnings immediately.

Please contact Brad Nelson (brad_nelson@byu.edu) and Seth Bybee (seth.bybee@gmail.com) before October 1st, if you plan to apply.

Seth Bybee, PhD Professor Graduate Program Coordinator Department of Biology Assistant Curator MLBM 4057 LSB Brigham Young University Provo, Utah 84602

seth.bybee@gmail.com

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DKTK-DKFZ Munich SomaticEvolution

DKTK/DKFZ_Munich_SomaticEvolution

PhD Student in Mutational Processes Driving Somatic Evolution

Munich, Germany DKTK partner site Munich-Department of Translational Oncology, LMU Klinikum

>From cigarette smoke and UV radiation to chemotherapeutic cancer treatments, the cells in our bodies are constantly struck by exogenous agents that damage our DNA. The processes that evolved to repair and tolerate damage are responsible for many of the mutations that cause cancer and treatment resistance. But their dynamics, the molecular machinery involved, and their role in disease are still poorly understood. This is where you come in.

The newly established Cancer Systems Biology lab of Dr. Craig Anderson is searching for an enthusiastic PhD student to play a principal role in understanding how DNA damage leads to mutational heterogeneity across our bodies and over the course of our lives.The lab is situated in the Department of Translational Oncology at the DKTK partner site at the LMU Klinikum, Munich. DKTK is a multi-location collaboration between DKFZ and leading university medical centres, so you stand to benefit from the combined opportunities that come from being part of some of Germany's finest research institutes.

Dr. Anderson has been a central figure in the discovery that DNA damage is heritable, and you'll build on this work by using molecular methods to unravel the forces that modulate mutagenesis across the genome of mutagen-exposed cancer cells. You'll be introduced to advanced statistical and computational methods for analysis of the data you create. Your findings will be a vital part of understanding the evolution of cancer drug resistance in cell models and in patients.

You can apply here: https://jobs.dkfz.de/en/-jobs/167996/phd-student-in-mutational-processes-driving-somatic-evolution You can contact Craig for more information here: craig.anderson [[@]] dkfz-heidelberg.de

Relevant work: Anderson CJ et al. Strand-resolved mutagenicity of DNA damage and repair. 2024. Nature 630: 744. https://doi.org/10.1038/s41586-024-07490-1 Nicholson MD, Anderson CJ, et al. DNA lesion bypass and the stochastic dynamics of transcription coupled repair. 2024. PNAS 121: 20. https://-doi.org/10.1073/pnas.2403871121 Aitken SJ, Anderson CJ, et al. Pervasive lesion segregation shapes cancer genome evolution. 2020. Nature, 582: 7815. https://-doi.org/10.1038/s41586-020-2435-1 "Anderson, Craig" <craig.anderson@dkfz-heidelberg.de>

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DonanaBiolStation Spain EvolutionaryBiology

PhD Position in Evolutionary Biology and Ecophysiology at Doñana Biological Station (Spanish National Research Council, Seville, Spain)

We seek applications for a 4-year fully funded PhD position at the Estación Biológica de Doñana (EBD-CSIC, Seville, Spain) under the upcoming PIX2025 call. The PhD project will investigate how environmental stressors (ionizing radiation, pesticides) affect life-history traits, senescence, and stress responses in insects (Callosobruchus maculatus), within and across generations. Approaches include experimental evolution, quantitative genetics, transcriptomics, and epigenetics.

The position is co-supervised by Dr. Pablo Burraco and Dr. Francisco Garcia-Gonzalez, in collaboration with the Centro Nacional de Aceleradores (CNA; University of Seville, CSIC, Junta de Andalucía). The successful candidate will join a dynamic and international research environment.

Start date: Early 2026 Pre-application deadline: August 30, 2025 (actual application will be open in September 2025)

To apply: Send CV and motivation letter (max 1 page)

to: burraco@ebd.csic.es and paco.garcia@ebd.csic.es Subject: "PhD Application PIX2025" More info upon request. Early expressions of interest are encouraged.

Pablo Burraco <burraco@ebd.csic.es>

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GEOMAR Kiel AlgalHeatAdaptation

*** PhD Position: Algal heat adaptation ***

Location: GEOMAR Kiel, Germany

Funding: 75% part-time (TVöD E13, German public service)

Duration: 3.5 years

Deadline: 31 August 2025

Start: 01 October 2025

Link to apply: https://www.geomar.de/en/karriere/job-single-en/doktorand-m-w-d-algenanpassung-an-hitze The research unit 'Experimental Ecology' investigates how coastal ecosystems respond to climate change. We are particularly interested in how benthic foundation species such as macroalgae, corals and bivalves cope with summer heat wave mortality and whether heat tolerant genotypes that currently exist at low frequencies are selected by intense heat waves. Ultimately, we want to use information on adaptive potential in models to better predict geographic range shifts of important foundation species and their associated communities under various climate change scenarios. We utilize unique outdoor mesocosm systems (Kiel Outdoor Benthocosms, KOBs) to experimentally select from thousands to millions of genotypes within complex communities and couple these experiments with field studies.

An important model species in our research unit is the macroalga /Fucus vesiculosus/. /F. vesiculosus/ forms extensive meadows in temperate coastal habitats and has a very limited dispersal potential, leading to potentially strong genetic differentiation along coastlines. We have recently succeeded in mass-fertilization of hundreds of genotypes and rearing of juvenile algae in mesocosms under different thermal scenarios. We now want to study selection dynamics in such experiments to identify genomic targets of selection and to phenotype heat-resistant survivors. The research unit Experimental Ecology of the research division Marine Ecology is offering a position as a

Doctoral Researcher (m/f/d)

"Algal heat adaptation" ** starting on October 1st 2025. The position offers the possibility to attain a doctoral degree in natural sciences.

Project Description** ** The candidate is going to be part of the collaborative project FUBLUC (ca. 20 participants) that aims to (i) understand the blue carbon potential of /Fucus/ meadows in the Baltic Sea and (ii) to develop methods to restore /Fucus/ algal meadows in degraded habitats. For the latter, a detailed understanding of local adaptation of /Fucus/ populations living in thermally variable habitats along the German Baltic Sea coast is necessary. We aim to explore /Fucus/ productivity and associated biodiversity in relation to thermal variability at several locations. From these populations, we will breed specimen in the lab and mesocosms to study heat stress responses, heritability of heat-related traits and the genomic basis for heat tolerance. In addition, we want to develop techniques to restore /Fucus/-depleted habitats using genetically diverse breeding stocks to select for genotypes that have superior fitness in specific habitats.

Position:** ** The successful candidate will (i) describe physiological characteristics of thermal tolerance of /Fucus /juveniles between populations in mesocosm and laboratory experiments, (ii) identify genomic loci linked to thermal tolerance, and (iii) perform trials to monitor resilience of selected lineages of /F. vesiculosus/ in the southwestern Baltic Sea in field experiments.

Qualifications:

Required:

* Master degree in Biology, Molecular Biology, Genomics or related fields of study * Experience with state-of-the art molecular biological lab techniques (e.g. nucleic acid extraction, sequencing library preparation, Hi-C, ATAC-seq etc.) * Experience with bioinformatic analysis of large sequencing data sets * Strong statistical skills using R

Desirable*:*

* Experience with assembly, annotation and/or analysis of plant or algal genomes * Expertise in evolutionary biology and evolutionary genomics * Experience with algal or plant ecophysiological approaches * Experience with nanopore sequencing

At a workplace, directly on the Kiel Fjord with many leisure and recreational opportunities, we offer you:

* Work in the field of marine and climate research, a

forward-looking area with social significance * An exciting and international work environment with the opportunity to provide important impetus for the development of sustainable solutions * Support services for professional and personal life situations * Good conditions for work-life balance: We offer, among other things, the possibility of mobile working and individual working time arrangements, vacation courses for the children of our employees, and good support in finding a place in a daycare center at the Kiel site * International work environment * 30 vacation days + additional time off at Christmas Eve and on New Year's Eve * Company pension plan and capital-forming benefits

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KU Leuven Belgium EvolBiology

We are excited to offer a fully funded PhD position focused on the ecology, evolution, and molecular mechanisms of plasticity and adaptation in Daphnia, with a particular emphasis on melanistic Daphnia zschokkei from alpine lakes. The project combines fieldwork, genomics, transcriptomics, and functional experiments to answer fundamental questions in evolutionary biology.

Suggested research questions (RQs):

* RQ1: Evolution and taxonomic status of Daphnia zschokkei Several Daphnia species and ecotypes display melanization, yet the evolutionary history of this adaptive phenotype remains largely unresolved. Daphnia zschokkei, a melanized taxon inhabiting alpine lakes, was originally described as a distinct species but is currently treated as an ecotype of D. longispina, based on single-locus and microsatellite data. However, preliminary whole-genome analyses suggest that these melanized populations may form a distinct genetic cluster. This project aims to determine whether melanization evolved once and spread across the Alps, or arose repeatedly from local D. longispina populations. Whole-genome sequencing of melanized "zschokkei" and non-melanized D. longispina across a wide geographic range will be used to resolve phylogenetic relationships, clarify taxonomic status, and reconstruct the evolutionary origins of this trait. Including other melanized populations from the D. longispina complex will allow broader inferences about the evolution of melanization.

* RQ2: Quantifying variation in melanization Melanization can be constitutively expressed or environmentally induced. To better understand variation in this trait, we will collect clonal lineages from multiple D. zschokkei populations (as part of RQ1), measure melanization levels in the field, and rear the clones under standardized lab conditions for several generations. This will allow us to determine baseline levels of constitutive expression. After baseline quantification, clones will be exposed to UV treatments to assess plastic responses. Environmental data from each site (UV exposure, turbidity, depth, nutrient levels, predator abundance) will be integrated to assess which factors best explain phenotypic variation.

* RQ3: Genetic basis and regulatory architecture of melanin expression Initial findings suggest that melanization in D. zschokkei is largely plastic, implicating regulatory mechanisms. By integrating whole-genome data (RQ1) and phenotypic data (RQ2), we will perform genome-wide association studies, outlier detection, and selection scans to identify candidate genes and regulatory elements involved in melanization. In selected populations, we will conduct controlled induction experiments and collect samples for RNA-seq and ATAC-seq to identify expression patterns and accessible chromatin regions linked to regulatory variation. This integrative approach will help distinguish between constitutive and inducible components of melanization and test whether adaptation occurred through parallel evolution or a shared genetic innovation. Promising regulatory elements will be functionally validated using CRISPR/Cas9 in collaboration with partner labs.

* RQ4: Comparative genomics of melanin regulation in Daphnia Melanized forms are also found in several species within the D. pulex complex, such as D. melanica, D. tenebrosa, and D. middendorfiana. Using the approaches developed in RQ3, we will identify candidate genes and regulatory elements in these taxa and compare them to findings from the D. longispina complex. This comparative framework will illuminate whether similar genetic mechanisms underlie melanization across Daphnia lineages.

Candidate Profile We are looking for a highly motivated PhD candidate with:

* A strong academic track record * Enthusiasm for evolutionary ecology, population genetics and functional genomics * Bioinformatics skills * Excellent command of written and spoken English This is a full-time position initially offered for one year, with the possibility of extension up to four years.

Research Environment You will be jointly supervised by Prof. Steven Van Belleghem at KU Leuven (Belgium) and Prof. Markus Moest at the Research Institute for Limnology, University of Innsbruck (Austria), located on the shores of Lake Mondsee.

* The research group of Steven Van Belleghem (KU Leuven) focuses on eco-evolutionary and functional genomics in a variety of systems. Website: https://-bio.kuleuven.be/eeb/sv * The research group of Markus Moest (Mondsee) specializes in the ecology and evolution of the D. longispina group. The institute provides state-of-the-art infrastructure for Daphnia fieldwork, culturing, and experimental biology. Markus Moest's extensive network across the Alps will facilitate a wide-reaching and efficient sampling campaign. Website:

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LingnanU CoralGenomics

*** PhD Position in Coral Genetics and Conservation ***

The Nutritional Mutualisms Lab at Lingnan University is seeking candidates for PhD positions to investigate the genetic factors involved in coral trophic strategy and the interaction between trophic strategy and bleaching resistance. More information about the lab and ongoing projects can be found at: https:/-/www.ingacontijerpe.com/ Duration: 3 years fully funded with options to extend for a 4th year

Start date: September 2026

Compensation: Candidates can apply for the competitive Hong Kong Postgraduate Fellowship (~$43,000 USD per year) or will be awarded a stipend (~$29,000 USD per year) along with medical benefits.

Qualifications:

* Bachelor's degree in biology, ecology, environmental science, or related field * MPhil or MS in related field * Previous laboratory research experience * Strong written and verbal English communication skills * Ability to work both independently and in group settings * Previous experience conducting molecular work (DNA/RNA extractions) and/or stable isotope analysis strongly preferred * SCUBA certification preferred

To apply, email Dr. Inga Conti-Jerpe the following:

* CV * 1-page cover letter describing research interests and career goals * Transcripts (unofficial copies are ok) * Contact information for 3 references

[Lingnan University Hong Kong] < https://-www.ln.edu.hk >

"CONTI-JERPE Inga (SU)" <ingacontijerpe@ln.edu.hk>

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MPI-Germany PolygenicAdaptation

A doctoral researcher position is available in Evolution of Polygenic Traits Research Group at the Max Planck Institute for Evolutionary Biology- Ploen, Germany.

The position is available from the earliest possible starting date. Contracts are awarded after an initial start-up phase (6 months; non-taxable stipend) for a period of three years (fully funded). Remuneration and social benefits are based on the German Civil Service Collective Agreement (TV??D Bund). The salary includes all mandatory social insurance contributions for health care, long-term care, unemployment, and retirement. The candidate will be part of the International Max Planck Research School for Evolutionary PhD, a well-established program with a vibrant research community and outstanding infrastructure. The Max Planck Institute for Evolutionary Biology in Ploen is an internationally oriented institution whose research focuses on the principles, mechanisms and effects of evolutionary change. Around 200 employees from more than 30 nations currently work at our institute in the departments of Theoretical Biology and Microbial Population Biology, as well as in a number of independent research groups.

Project 1 - Adaptive architecture after a shift in trait optimum

The genetic architecture of quantitative traits identified by QTL and GWA studies includes all contributing alleles and their effect sizes. However, only a subset of the underlying alleles responds to selection; these alleles constitute the adaptive architecture (1). Factors such as distance to the new trait optimum, initial

allele frequencies, genetic redundancy and pleiotropy determine which alleles are potentially adaptive. The aim of this doctoral project is to investigate the effect of distance to trait optimum on the adaptive architectures of a polygenic trait, embryo size in Drosophila. Our group has recently developed an accurate and high-throughput method for embryo size measurement using large particle flow cytometry (2). We will establish an experimental framework to shift the average embryo size towards a larger size with different intensities in replicate populations of Drosophila.

Project 2 - Evolution of gene regulatory networks Many genetic variants underlying complex traits are in regulatory regions, and adaptation can be manifested by changes in the expression of adaptive genes (3,4). Adaptation of complex traits may also take different evolutionary paths in replicate populations despite phenotypic convergence, i.e., genetic redundancy (1). Genetic redundancy could manifest itself as a change in the expression of genes in the same or different regulatory modules (with either similar or different functions) in different populations. The aim of this project is to understand how gene regulatory networks are modified during polygenic adaptation. Tissue-specific gene expression and genomic data from hundreds of individuals from multiple replicate populations adapting to a new trait optimum will be used to reconstruct gene regulatory networks. In addition, eQTL mapping will be performed to identify the genetic variation underlying the changes in adaptive gene expression.

References 1. Barghi N, Hermisson J, Schl??tterer C. Polygenic adaptation: a unifying framework to understand positive selection. Nat Rev Genet. 2020 Dec;21(12):769???81. 2. Barghi N, Ramirez-Lanzas C. A high throughput method for egg size measurement in Drosophila. Sci Rep. 2023 Mar 7;13(1):3791. 3. Boyle EA, Li YI, Pritchard JK. An Expanded View of Complex Traits: From Polygenic to Omnigenic. Cell. 2017 June 15;169(7):1177???86. 4. Fagny M, Austerlitz F. Polygenic Adaptation: Integrating Population Genetics and Gene Regulatory Networks. Trends in Genetics. 2021 July 1;37(7):631???8.

Qualifications - Master's degree in evolutionary biology with a strong background in population genetics or quantitative genetics. The applicant should have experience in analyzing time series data and combining bioinformatics methods with population genetic theory. Applicant for project 2 should have a strong interest in combining systems biology approaches with population genetics. - The applicant should be a curious, highly motivated and dedicated researcher with grit, i.e. the passion and perseverance for very long-term goals. - Excellent written and oral communication skills in English - Candidate should have strong programming skills (Python, R, etc.) and experience working with large datasets.

How to apply - Please indicate which project you would like to apply for (you can choose more than 1). - Your application should include 1) a cover letter outlining your research interests, motivation, and relevant work experience, 2) your CV including a list of publications and methodological skills, 3) your bachelor's and/or master's degree and transcripts, and 4) contact information for two references. The cover letter should

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NewJerseyTech NeuroSensoryEvolution

PhD, New Jersey Institute of Technology, Sensory Neuroscience & Evolution, The Laboratory for Sensory Neuroscience & Evolution at the New Jersey Institute of Technology is seeking PhD students to start Fall 2026.

The Lab: The Himmel lab uses experimental and computational approaches to study the function, evolution, and origins of sensory systems. We will officially open in Fall '26 with generous startup funding for diverse projects, for projects including but not limited to insect neurogenetics and behavior, comparative genomics/phylogenetics (spanning the tree of life), and ancestral protein reconstruction. Students with backgrounds and interests in experimental and/or computational biology are welcome to apply. More info at https://himmellab.org . *The Uni*: NJIT is an R1 polytechnic research university. Part of the NYC metro, its campus is situated in University Heights, Newark, NJ, alongside the Newark campus of Rutgers University and the New Jersey Medical School. The Biology PhD is jointly-operated by the Federated Departments of Biological Sciences at NJIT and Rutgers Newark, with tracks at NJIT emphasizing Neurobiology, Ecology, and Evolution. Faculty have a broad range of biology expertise, and the department has historically strong ties to the Department of Mathematical Sciences. PhD students are supported by a strong union and are guaranteed funding for 5 years.

How to Apply: The deadline for application to the Biology PhD program is 15 December 2025 (https://-/www.njit.edu/academics/degree/phd-biology). Interested students are welcome to contact the PI, Dr. Nate Himmel (contact@himmellab.org), with any questions they may have before, during, or after application.

Nathaniel J. Himmel, PhD Current Postdoc, Benton Lab, University of Lausanne, Switzerland Incoming Assistant Professor, New Jersey Institute of Technology, USA https://himmellab.org Nathaniel John Himmel <nathanieljohn.himmel@unil.ch>

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OhioStateU SystematicsFreshwaterMollusks

PhD or Masters Positions at The Ohio State University

The Whelan Lab at The Ohio State University is seeking graduate students to join the lab in August 2026. The lab is part of the Department of Evolution, Ecology, and Organismal Biology and is recruiting up to two graduate students at either the masters or PhD level. Potential masters and PhD projects include conservation genetics and molecular ecology of freshwater mollusks, phylogenetics and systematics of freshwater gastropods, and genomics of freshwater mollusks. Students interested in freshwater gastropods are especially encouraged to apply. Students will work in museum, lab, and field environments.

The Whelan Lab is located at the Museum of Biological Diversity on the main campus of The Ohio State University. The lab's research includes both basic and applied science, and students work in an academic and museum research environment while collaborating with government researchers and on-the-ground conservation scientists. Students will have the opportunity to work directly with conservation practitioners and perform cutting-edge research. Current research projects in the lab include (1) phylogenomics of freshwater gastropods, with an emphasis on Pleuroceridae, (2) conservation genomics and molecular ecology of freshwater mollusks, including threatened and endangered mussels and snails, (3) taxonomy of terrestrial snails, freshwater mussels, and freshwater snails, and (4) freshwater gastropod life history evolution.

The Ohio State University is a public land grant institution with internationally recognized research and academics. Columbus, Ohio is a vibrant town with excellent quality of life.

**Stipends and Start Dates: Students will receive a stipend of at least $2,681/month and a tuition waiver. Students will likely serve as Graduate Teaching Assistants for their stipend, but competitive fellowships may be available. Health insurance, including vision and dental, are provided to graduate students at no cost. Available start dates are August 2025.

**To apply: All potential graduate students will need to apply to The Ohio State University and be accepted by the Department of Evolution, Ecology, and Organismal Biology. The deadline for applicants is November 15, 2025. Before applying to OSU, students interested in working in the Whelan lab should contact Dr. Nathan Whelan to discuss potential graduate student projects. If you are interested in joining the Whelan Lab, please send a letter of interest, current CV, contact information for 2-3 references, and unofficial transcripts to: Dr. Nathan Whelan, Whelan.105@osu.edu.

Nathan Whelan, PhD Director, Museum of Biological Diversity Associate Professor, Dept. of Evolution, Ecology, and Organismal Biology The Ohio State University Whelan.105@osu.edu

"Whelan, Nathan" <whelan.105@osu.edu>

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SLU Sweden PesticideResistanceEvolutionEcol

Four years PhD position in Biology at the Swedish University of Agricultural Sciences (SLU) in close collaboration with researchers at Lund University.

Project title: Ecological consequences of pesticide resistance evolution in insects

Background:

This project is in the research field of applied evolutionary ecology, aiming at understanding ecological and evolutionary processes that may be relevant for the development of sustainable plant protection. Specifically, the thesis work will be devoted to study ecological consequences following pesticide resistance evolution in the green-veined white, Pieris napi. The project will in-

clude fieldwork, experimental evolution and behavioural studies that involve different trophic levels. The practical work also entails cultivation and rearing of plants, butterflies and parasitoids, sampling for chemical and molecular analyses, as well as lab work with pesticides and antibiotics. The project will be performed at SLU campus Alnarp in Sweden, in close collaboration with researchers at the Department of Biology at Lund University.

Qualifications:

We are seeking to hire a highly-motivated PhD student with an MSc degree in Biology or equivalent subject, where we put large emphasis on merits and personal traits. The selected candidate is expected to have extensive knowledge in ecology and evolutionary biology, as well as an interest to relate this knowledge to sustainable plant protection. Furthermore, the selected candidate should be capable to take own initiatives and independently execute complex experiments with thorough attention to detail. Previous experience in evolutionary or ecological studies, which included performing field work, chemical or molecular lab work, advanced statistical analyses, and experiments with insects (preferably including different trophic levels) are merits. As a person, you are responsible and scientifically curious with excellent collaboration skills. Driver's license is required for the position.

Read more and apply in our online system: https://www.slu.se/en/about-slu/work-at-slu/jobs-and-vacancies/doktorand/ Deadline to apply: 15th of September

Questions? Please contact Kristina Karlsson Green: Kristina.karlsson.green@slu.se

När du skickar e-post till SLU sÃ¥ innebär detta att SLU behandlar dina personuppgifter. För att läsa mer om hur detta gÃ¥r till, klicka här < https://www.slu.se/om-slu/kontakta-slu/personuppgifter/ >

E-mailing SLU will result in SLU processing your personal data. For more information on how this is done, click here < https://www.slu.se/en/about-slu/contact-slu/personal-data/ >

Kristina Karlsson Green <kristina.karlsson.green@slu.se>

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Stockholm IndoPacificBirds EvolGenomics

Would you like to do a PhD with Indo-Pacific birds and evolutionary genomics? Join us in Stockholm:

PhD student in Evolution of Indo-Pacific birds https://recruit.visma.com/spa/public/apply?guidAssignment=a6137a72-5549-4a55-bd0b-5489c8673a91&description=True * <what>* On remote oceanic islands, colonizing lineages often undergo founder effects. Moreover, each time a species disperses to a new island, an additional bottleneck is introduced. Despite these constraints, islands are hotspots for diversification, including remarkable examples of adaptive radiations. In this project, we aim to focus on different lineages of birds in the Indo-Pacific to understand the impact of sexual selection and hybridization in genetic variation of different lineages.

* <how>* This project study will integrate a variety of molecular and bioinformatic approaches. We will use mostly population genomic tools and simulations of genomic data.

* <benefits>* Possibilities to attend a conference each year; Strong supervisory support and mentoring to pursue an academic career; Attractive welfare benefits; Career development programmes; Stockholm's family-friendly surroundings with their rich opportunities for culture and outdoor activities Possibility to visit collaborators in Germany and other places.

* <deadline>* 05 September 2025, 23:59 José Cerca

islandevolution.github.io

Google Scholar < https://scholar.google.pt/citations?user=ZI1vWPEAAAAJ&hl=en >

Evolutionary Biologist

Swedish Museum of Natural History

(20% @ the University of Oslo)

José Cerca <jose.cerca@gmail.com>

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StockholmU EvolutionarySystemsBiology

PhD Position in Evolutionary Systems Biology - Stockholm University & SciLifeLab, Sweden

Link & details: https://su.varbi.com/en/-what:job/jobID:850027/ *Contact*: lisandro.milocco@zoologi.su.se

What: Fully funded 4-year PhD in Assistant Professor Lisandro Milocco's group, investigating how development shapes evolution using computational and mathematical modeling integrated with biological data. Projects will be tailored to the candidate's interests. Possible research directions include quantitative genetics, evolutionary prediction, and dynamical systems approaches to modeling development and evolution.

Who: Applicants with a background in biology, and with quantitative skills (e.g., programming, statistics) or a strong motivation to develop them, along with a strong interest in evolution.

Where: Stockholm, Sweden

Keywords: evolution, evo-devo, prediction, systems biology, developmental biology, dynamical systems

Deadline: September 30th, 2025

Informal questions are welcome!

Lisandro Milocco Assistant Professor & DDLS Fellow Department of Zoology, SciLifeLab, Stockholm University Tomtebodavägen 23A, Gamma 7, SE-171 65 Stockholm, Sweden Email: lisandro.milocco@zoologi.su.se Website: https://lisandromilocco.github.io/ Lisandro Milocco <lisandro.milocco@zoologi.su.se>

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TexasTechU Genomics

The Manthey research group in the Department of Biological Sciences at Texas Tech University is recruiting 1-2 PhD students to work on funded genomics projects beginning Fall 2026. Funding for accepted students includes an ~$30k annual stipend through combined grant and departmental funding.

We currently have openings for funded projects in two categories: (1) population genomics in carpenter ants, and (2) genome evolution. Graduate students would be encouraged to develop their own projects under these broad themes. For more information about these lines of research and our lab more generally, please visit: mantheylab.org.

Interested individuals should email a CV/resume to Dr. Joseph Manthey (jdmanthey@gmail.com or joseph.manthey@ttu.edu), as well as an informal statement of how your interests overlap with the research projects in the lab.

The Department of Biological Sciences has a strong and dynamic group of scientists with a focus in ecology and evolutionary biology. The department has strengths in multiple areas of genomics, bioinformatics, and specialized disciplines of ecology and evolutionary biology. The departmental website can be found here: http://www.depts.ttu.edu/biology/- ~Deadline for applications~ Our department has a deadline of January 1 for applicants applying to start the following fall. Please find all application details here: http://www.depts.ttu.edu/biology/academics/-graduate/prospective-students/ All qualified applicants are encouraged to contact me with their statement of interest. While academic scores have a role in admissions, motivation and enthusiasm for genomics and research experience are highly valued.

Joseph D. Manthey, Ph.D.

Associate Professor, Biological Sciences

Texas Tech University

Email: jdmanthey@gmail.com | joseph.manthey@ttu.edu

https://mantheylab.org/ jdmanthey@gmail.com

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UAlaska Fairbanks Twelve EvolBiol

We are recruiting 12 PhD students at the University of Alaska Fairbanks, College of Fisheries and Ocean Sciences through a new NSF program, EMERGE Alaska. Several faculty in our departments of Fisheries, Marine Biology and Oceanography conduct evolutionary biology

research, including phylogenomics, population genomics, environmental DNA, ichthyology, transcriptomics and biogeography, on fishes, birds, invertebrates, plankton and marine mammals.

This opportunity is only for US citizens, nationals or green card holders who received an Honorable Mention from the National Science Foundation's Graduate Research Fellowship within the last 3 years (since 2022). Fellowships provide 3 years of full support (salary, stipend, health care, fees). Students should first identify and reach out to a prospective faculty advisor before applying on NSF ETAP's website. Applications are due by 1/15/2026.

For a list of participating faculty and their research interests, as well as detailed information about the program and how to apply, please look at our website: https://www.uaf.edu/cfos/academics/emerge-alaska/index.php Contact Dr. Jessica Glass (jrglass@alaska.edu) with any questions.

Thank you!

Jessica

Jessica R. Glass, PhD Assistant Professor, Fisheries she/her

University of Alaska Fairbanks College of Fisheries and Ocean Sciences Department of Fisheries 2150 Koyukuk Drive Fairbanks, Alaska 99775 jessica.glass@alaska.edu +1 907 474 6524 www.theglasslab.org Jessica Glass <jrglass@alaska.edu>

UCalgary SpruceGenomicsAdaptation

The genomics of local adaptation in a spruce hybrid zone Yeaman Lab Department of Biological Sciences, University of Calgary

I am seeking to recruit a PhD student to study the genomic basis of local adaptation in the hybrid zone of white and Engelmann spruce in Alberta's Rocky Mountains (Banff, Kananaskis). Preliminary sequencing of samples along elevational transects shows strong patterns of differentiation and local adaptation, with remarkable similarity to patterns found across broader latitudinal clines in central British Columbia (https://www.biorxiv.org/content/10.1101/-2025.08.08.669264v1). Much remains to be discovered, including broadening the scale of sampling & sequencing, studying phenological barriers to gene flow, GWAS of phenotypic variation in common gardens, and conducting experiments to assess the genomic basis of survival beyond the species alpine range limit. Depending on a candidate's experience and interest, this project can include field work in the Rocky Mountains or be focused only on bioinformatics/genomic analysis or the application of theoretical approaches to making spatially explicit predictions for the hybrid zone. It would be interesting to use some combination of traditional statistical approaches and image analysis/convolution neural networks to study patterning both in space and along the genome. Finally, it is also possible to expand this project to include the study of patterns of repeated adaptation across other conifer species or plant species more broadly, depending on the student's area of interest.

This position will have a tax-free stipend of at least CAD $35k/year.

TO APPLY: Please send a CV and a short description of your interest in the position and any relevant research experience to samuel.yeaman@ucalgary.ca, along with the names and emails of three people I could contact for reference letters. I will begin reviewing applications on October 15th 2025, but please contact me to check in if you need to make a quick decision.

samuel.yeaman@ucalgary.ca

UGreifswald Germany EvolBlackWidowSpiders

Doctoral Researcher Position (TV-L E13, 65%) Animal Metabolomics & Ecology Lab University of Greifswald, Germany

A fully funded doctoral researcher position is available at the Zoological Institute and Museum of the University of Greifswald.

POSITION: Doctoral Researcher or Postdoc

START DATE: February 1st 2026

DURATION: The position is funded for three years by the German Research Foundation (DFG FI 2963/2-1).

PROJECT: The successful candidate will participate in a research project investigating the chemical ecology of the Mediterranean Black Widow spider, Latrodectus tredecimguttatus. The work will primarily involve conducting behavioral ecology experiments and applying LC/MS and GC/MS based metabolomics approaches to comprehensively explore pheromonal communication between and within the sexes. We seek a motivated candidate who can work both independently and as part of a multidisciplinary team.

REQUIREMENTS: * A Master's degree (or equivalent) in Biology, Chemistry, or a related field. * A strong interest in evolutionary biology, behavioral ecology, and chemical ecology. * Excellent communication skills in English, as it is the working language of the lab. DESIRED SKILLS: * Experience with analytical chemistry (LC/MS, GC/MS) and/or behavioral assays. * Experience with animal husbandry and colony maintenance.

THE RESEARCH ENVIRONMENT: The successful candidate will be based in the Animal Metabolomics & Ecology lab (Dr. Fischer) within the Department for General and Systematic Zoology (Prof. Uhl). The department provides a stimulating international environment and excellent research infrastructure, including onsite GC/MS and climate chambers. The project benefits from established collaborations across Germany with experts for high-resolution mass spectrometry, NMR spectroscopy, and chemical synthesis. The University is located in Greifswald, a historic city on the Baltic Sea coast, which offers a high standard of living with affordable costs.

APPLICATION DEADLINE: September 24th, 2025.

TO APPLY: Please provide the following materials as a single PDF file via email to Dr. Andreas Fischer (andreas.fischer@uni-greifswald.de): * A motivation letter detailing your research interests and experience (must be self-written without the use of LLMs). * A CV, including a full list of scientific contributions (e.g., publications, congress contributions). * Contact details of two professional referees. We are committed to fostering a diverse and inclusive academic community and particularly welcome applications from international students and candidates from all backgrounds.

For further information please visit our website: https://animal-metabolomics.com/phdcall/ Informal inquiries may be directed to Dr. Andreas Fischer (andreas.fischer@uni-greifswald.de).

Thank you very much!

Andreas Fischer Ph.D. M.P.M. staatlich geprï¿½fter Biologe und Chemiker Wissenschaftlicher Mitarbeiter Universitï¿½t Greifswald Zoologisches Institut und Museum Abteilung Allgemeine & Systematische Zoologie Animal Metabolomics Lab www.animal-metabolomics.com Andreas Fischer <andreas.fischer@uni-greifswald.de>

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UPotsdam ForensicMicrobiome

PhD in Forensic Microbiome Research (Marie Curie Doctoral Network)

The Landscape Ecology Lab at the Institute of Environmental Science and Geography, University of Potsdam, invites applications for a fully funded PhD position within the Marie Sk??odowska-Curie Doctoral Network ???Natural Traces??? (Grant No. 101120165).

Project Overview: This interdisciplinary PhD project combines microbial ecology, forensic science, bioinformatics, and machine learning to develop innovative methods for forensic geolocation using microbiome data.

Key Activities: - Develop predictive models for sample origin based on microbiome data across seasons and geographic scales - Compare sequencing technologies for their suitability in forensic geolocation - Identify taxa providing biogeographically relevant information and study microbial diversity patterns in Berlin - Assess the practical applications and potential weaknesses of the geolocation method through a controlled experiment

Who Should Apply: - Master???s degree in Biological Sciences, Forensic Science, Computer Science, or related fields - Experience with Python, R, and/or Bash for microbiome data analysis - Strong background in bioinformatics, microbial ecology, or forensic science is a plus - Excellent English skills - Eligibility: No prior PhD; applicants must not have resided or carried out their main activity in Germany for more than 12 months in the past 36 months

Full Job Description, Funding & Application Details: For complete information on funding, benefits, and how to apply, please refer to the full ad on EURAXESS:

https://euraxess.ec.europa.eu/jobs/366544 Bertrand Fournier <bertrand.fournier@uni-potsdam.de>

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UppsalaU Sweden ComputationalGenomics

Dear everyone,

We announce an Open PhD Position in Computational Genomics at Uppsala University, Sweden!

Supervisor: Dr Andreas Wallberg (krill, zooplankton, fish) Co-supervisor: Prof Leif Andersson (fish, birds, domestic animals)

Project: Adaptation Genomics in the Ocean: Predicting Functional Variation in Marine Life with Machine Learning

Goals: * Study genomic adaptation in krill (visual adaptation) and Atlantic herring (coding & regulatory variants) * Apply machine learning, population/comparative genomics and functional annotation to uncover adaptive mutations * Goal: Build ML-driven frameworks to uncover the genomic bases of adaptation and predict species' resilience to climate change

We offer: * International, multidisciplinary research environment. * Four-year, full-time position in Uppsala, Sweden. * Cutting-edge bioinformatics, evolutionary genomics & ML training.

You bring: * MSc in bioinformatics, computer science, biology or genomics (or equivalent). * Experience with Linux/UNIX, programming (Python/Bash/Perl), statistics (R) and NGS data. * Interest in biodiversity, evolution, and independent research. * Strong English skills & collaborative mindset.

Deadline: 10 Sep 2025 Contact: andreas.wallberg@imbim.uu.se

Full call and application instructions: https://www.uu.se/en/about-uu/join-us/jobs-and-vacancies/job-details?query=847058 Please forward this email to any colleagues and potential candidates that could have an interest in this call.

Best regards, Andreas Wallberg

– Andreas Wallberg

Tel. +46-(0)-184714231 Mob. +46-(0)-709428262

Visiting address: Uppsala biomedicinska centrum BMC Husargatan 3 SE-751 23 Uppsala Sweden

Postal address: Uppsala biomedicinska centrum BMC Box 582 SE-751 23 UPPSALA Sweden

När du har kontakt med oss pÃ¥ Uppsala universitet med e-post sÃ¥ innebär det att vi behandlar dina personuppgifter. För att läsa mer om hur vi gör det kan du läsa här: 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 Andreas Wallberg <andreas.wallberg@imbim.uu.se>

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UTurku HostMicrobiotaInteractions

Doctoral Researcher / Project researcher in Experimental Evolution of Host-Microbiota Interactions The Faculty of Science at the University of Turku invites applications for a doctoral researcher / project researcher position at the Department of Biology.

The position is fully funded 4-years. Employment begins 1.10.2025, or upon agreement.

The researcher will participate in project "Host-microbiota coevolution under fluctuating temperatures", which investigates how climate change-driven temperature fluctuations influence the evolution of host-microbiota interactions using a Drosophila model system. The researcher will focus on:

Experimental evolution of bacteria Microbiota transplantation experiments Molecular and metabolomic analyses Participation in maintaining and phenotyping Drosophila flies.

For more information and to apply, please see the full advertisement in our online recruitment system:

https://ats.talentadore.com/apply/vaitoskirjatutkija-projektitutkija-biologia/83NrPj?lang=en .

The closing date for applications is Thursday 28.8.2025 at 16.00 (Europe/Helsinki).

For more information about the position, contact the PI Dr. Anni Hämäläinen: anni . hamalainen (at) utu . fi

Anni Hämäläinen, PhD, Title of Docent (Evolutionary Biology) Collegium Researcher Turku Collegium for Science, Medicine and Technology Department of Biology, Natura 321 University of Turku anni.hamalainen@utu.fi https:/-

/orcid.org/0000-0001-9260-8299 Anni Hämäläinen <anni.hamalainen@utu.fi>

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UVienna TheoEvolGenetics

PhD and postdoc positions in theoretical evolutionary genetics at the University of Vienna, Austria

We invite applications for PhD and postdoc positions in theoretical evolutionary genetics at the University of Vienna, Austria. The positions are part of an ERC-funded project 'Genes in Space' (https://-/mathevogen.github.io/genes-in-space.html) that aims to model polygenic adaptation in spatially structured populations. We will then build upon this to better understand sources of confounding in Genome-wide Association Studies (GWAS). PhD and postdoc projects can be defined flexibly within this broad area, depending on the interests of the candidate. Work in the group is primarily theoretical, but there is also scope to develop projects at the theory-data interface with collaborators working on genomic inference in natural populations.

*Your profile. We are looking for highly motivated candidates with an interest in evolutionary questions and mathematical modeling and/or statistical analysis, and strong communication and writing skills. PhD candidate(s) should have an MSc degree (or equivalent) in evolutionary/systems/computational biology, mathematical biology/biomathematics or a related field. Candidates with an M. Sc. in physics or mathematics who have a strong interest in evolution are also encouraged to apply. Quantitative skills are required and some coding experience is a strong plus. Postdoctoral candidates should have a PhD in genetics, genomics, mathematical biology or a related field, and have strong quantitative and computational skills. Experience with GWAS is a plus.

*What we offer. PhD positions are available for 30h/week employment (standard PhD contract in Austria) for 3 years, with the potential for a 1 year extension. The postdoc position is available for 40h/week employment for 2 years with potential for further extension. The salary is according to standard University rates (https://personalwesen.univie.ac.at/en/jobs-recruiting/salary-scheme/). Contracts include health insurance and 25 days of holidays per year. The starting date is somewhat flexible but needs to be in the first half of 2026.

The positions provide an opportunity to explore interesting questions in a collaborative and interdisciplinary environment. The new evolutionary genetics group (https://mathevogen.github.io/) that the candidates will join is affiliated with both the Faculty of Life Sciences and Faculty of Mathematics, providing members with access to resources (courses, seminars) and collaborative opportunities in both. Moreover, the Vienna area is a hub for evolutionary biology with a large number of research groups working on diverse questions (https://www.evolvienna.at/), creating a dynamic and stimulating environment. The city of Vienna is known for its quality of life, including easy access to nature and cultural activities.

*How to apply. PhD candidates should send a single pdf file including a CV, a record of MSc transcripts, a letter of motivation and contact details of two referees. Postdoctoral candidates should send a single pdf with a CV, a statement of research interests and contact details of two referees. If interested, please send your application materials directly to himani.sachdeva@univie.ac.at latest by 15^th September. Please also feel free to contact me for informal queries and further information.

Himani Sachdeva <himani.sachdeva@univie.ac.at>

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UWageningen DipteraSwarmingEvolution

PhD position Swarming behaviour of Dipteran fliers

https://www.wur.nl/en/education-programmes/phd-programme/graduate-schools/www.wur.nlwimek/-about-wimek/vacancies/phd-vacancies/show/phd-position-swarming-behaviour-of-dipteran-fliers.htm
Location: Wageningen (the Netherlands) End date: 15 September 2025

Job description:

Do you enjoy working at the interface between behaviour, ecology, and evolution? Then you might be the PhD candidate we are looking for!

In this project, you will investigate how swarming behaviour has evolved across Diptera (flies and mosquitoes), one of the most ecologically and behaviourally diverse insect orders. Using 3D field record-

ings and environmental monitoring, you will uncover how different species behave in swarms, how they use sensory cues from their environment, bringing new hindsight about the evolution of collective behaviour.

You will deploy a multi-camera 3D tracking system in natural settings to study insect flight and swarming dynamics across species. This will involve identifying swarming sites, collecting and identifying specimens, and analysing 3D flight trajectories in relation to local environmental cues such as light intensity, wind conditions, and visual structure. A key focus will be on how Dipteran insects perceive and use these cues especially visual landmarks and light orientation to form and maintain swarms.

To complement the fieldwork, you will conduct lab experiments on a model species (e.g. Culex pipiens) to test specific hypotheses about sensory-driven flight behaviour under controlled light and visual environments. This will allow you to explore the underlying mechanisms that shape swarming rules and to validate your field-based findings.

The broader aim of the project is to understand how insects use sensory information to coordinate group behaviours, how behavioural diversity is structured across species, and what these patterns suggest about the evolutionary roles of swarming such as mate attraction or predator avoidance.

The PhD project is based in the Experimental Zoology Group (EZO) at Wageningen University, which has strong expertise in insect ethology, biomechanics, and sensory ecology. Using 3D videography, EZO has previously unraveled and modelled the behavioral rules of swarming malaria mosquitoes, providing a solid foundation for exploring flight behavior across diverse Dipteran species.

Your duties and responsibilities include:

Designing and conducting field experiments to record Dipteran swarming behaviour using 3D tracking systems Quantifying flight and swarm traits (e.g. swarm shape, density, saccade frequency) and linking them to environmental and sensory cues Investigating how insects perceive and respond to light, visual landmarks, and wind when organizing collective behaviour Analysing interspecific variation in swarming behaviour using comparative and statistical approaches Exploring evolutionary hypotheses by clustering behavioural traits and mapping them onto phylogenetic trees Collaborating with a multidisciplinary team of biomechanists, ecologists, and entomologists Publishing your findings in peer-reviewed journals and presenting at international conferences You will work here The research is embedded within the chair Experimental Zoology, led by Prof. Florian Muijres. You will be supervised by Dr. Antoine Cribellier. Your qualities For this interdisciplinary and field-intensive project, we are looking for a highly motivated and skilled PhD candidate with a recent MSc degree (or equivalent) in biology, ecology, ethology, physics, or engineering, with a strong interest in animal behaviour and insect ecology.

Specific requirements are:

Strong analytical and quantitative skills, with the ability to work with complex behavioral datasets Proficiency in scientific programming (e.g. Python, MATLAB, or R) for data analysis and visualization A clear affinity for insect behavior, sensory ecology, or movement ecology; Fieldwork experience or a strong interest in conducting insect field studies across varied environments Ability to work independently and as part of an interdisciplinary team Good proficiency in English (both oral and written) For this position your command of the English language is expected to be at C1 level. Sometimes it is necessary to submit an internationally recognized Certificate of Proficiency in the English Language. More information can be found here.

Preferred but not required: Experience with behavioral data analysis, 3D tracking, or video analysis Familiarity with comparative methods, phylogenetic analyses, or statistical modelling Background in Diptera, insect behavior, or field entomology Knowledge of sensory ecology or insect flight dynamics

We offer you

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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

UWarsaw SunflowerEvolution

PhD Student Position in NCN Project (Warsaw, Poland)

Basic Information Institution: University of Warsaw, Faculty of Biology, Institute of Evolutionary Biology Funding scheme: NCN SONATA Project title: How changes in meristem patterning drive evolutionary innovations: insights from syncephalia in the sunflower family (Asteraceae) Project PI: Dr. Jakub Baczyński Position: PhD student (fellowship) Number of positions:

1 Monthly stipend: ˜3700 PLN net during years 1-2; increased to ˜4900 PLN net after mid-term evaluation (in addition to the basic stipend provided by the doctoral school upon successful recruitment) Start date: October 1, 2025 Maximum duration of fellowship: 36 months

Project Description The exceptionally diverse sunflower family (Asteraceae) owes much of its evolutionary success to the capitulum, a flower-like inflorescence, and in some species, to the even more complex syncephalium an aggregation of multiple capitula. This project investigates the poorly understood developmental mechanisms behind syncephalia evolution by testing whether they arise from condensed capitulescences or from modified capitulum programs. Using a combination of morphological, molecular, and bioinformatic approaches, we will study two ornamental species (Echinops ritro and Pycnosorus globosus) and compare their gene regulatory networks with those of relatives bearing simple heads. The findings will advance our understanding of how changes in meristem activity generate novel plant structures and contribute to evolutionary and economically important variation in plant architecture.

Candidate Profile 1. Master's degree in Biology, Biotechnology, Environmental Sciences, or related fields 2. Basic knowledge of plant evolution and developmental biology 3. Familiarity with basic laboratory techniques (e.g., nucleic acid isolation: DNA, HMW-DNA, RNA; quality assessment techniques such as PCR, RT-PCR, electrophoresis) 4. Basic command of working in a Linux shell environment; experience with R and/or Python is a strong asset 5. Good command of English (spoken and written) 6. Additional achievements such as publications, conference presentations, project participation, or involvement in scientific societies will be considered an advantage!

Responsibilities 1. Conducting research within the project scope, including comparative genomics/transcriptomics and developmental analyses of flowers/inflorescences and associated gene expression changes 2. Preparing scientific publications 3. Presenting project results at national and international conferences

Application Documents 1. Academic CV including information on scientific achievements, skills, and research experience 2. Copy of Master's diploma 3. Letter of recommendation from a former academic supervisor 4. For non-EU candidates: current documents confirming legal residence in Poland

Please include the following consent statement in your application documents:

"I hereby consent to the processing of my personal data included in my application for the purposes of the recruitment process, in accordance with Article 6(1)(a) of the GDPR (Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016)."

Recruitment Application e-mail: j.baczynski@uw.edu.pl Form: a single PDF file in Polish or English would be best! Application deadline: September 22, 2025 Announcement of results: October 1, 2025

The PhD student will be selected by the committee through a competitive process in accordance with the Regulations for awarding scientific scholarships in research projects funded by the National Science Centre (NCN Council Resolution No. 25/2024 of March 4, 2024). Selected candidates will be invited for a brief interview on August 29, 2025.

For any additional questions regarding the offer, please contact the project PI directly.

Jakub Baczyński <j.baczynski@uw.edu.pl>

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Jobs

ClaremontColleges ComparativePhysiology

Tenure-Track Position in Integrative/Organismal Physiology in The Department of Natural Sciences At Pitzer and Scripps Colleges

The Department of Natural Sciences invites applications for a tenure-track appointment in Biology with an emphasis in integrative/organismal physiology at the Assistant Professor level to begin July 1, 2026. We seek a broadly trained biologist who is committed to developing a vibrant research program that fully engages undergraduate students in a liberal arts environment. We welcome applications from researchers with expertise in comparative physiology, integrative organismal biology, functional morphology, physiological ecology, or a related field. The candidate should demonstrate a commitment to excellence in teaching and will be expected to teach a vertebrate physiology course with lab, participate in the ecology and evolution portion of the introductory biology sequence, and develop additional undergraduate courses in their field. The teaching load is 4.5 courses per year, with lectures and labs counted as separate courses. A Ph.D. degree and a record of scholarly publications are required prior to hiring, and post-doctoral experience is preferred.

The department, which houses the biology, chemistry, neuroscience, environmental science, and physics faculty for Pitzer and Scripps Colleges (two of the five undergraduate Claremont Colleges), offers innovative and interdisciplinary programs in the natural sciences. The department supports faculty success through mentorship, opportunities for professional development, and regular sabbaticals. The department recently expanded into a new 65,000 ft2 building and offers many shared facilities in support of research including an animal care facility, a microscope facility, and a new greenhouse. Faculty of the Department of Natural Sciences are part of the rich intellectual environment of the Claremont Colleges consortium and benefit from proximity to major research universities in the Southern California region, enabling collaboration both within and outside the department. Additional information about the department may be found at https://natsci.claremont.edu/ . The salary for this position will range from $100,000 - 110,000 and will be based on experience.

Applications should be uploaded to https://-apply.interfolio.com/172482 and must include (1) a cover letter describing how your expertise and experience aligns with the position, (2) a curriculum vitae, (3) a description of your proposed undergraduate-centered research program, (4) a statement describing your approach to teaching and how you pursue excellence in teaching, and (5) the names and e-mail addresses of three references. Within the submitted materials, candidates should address how their teaching, scholarship, and/or service will support all of the students in our diverse community of learners. Applicants should also identify in their application materials any areas of intersection between their teaching, research, and the goals and the academic missions of Pitzer and Scripps Colleges. Three letters of recommendation will be requested for candidates advancing beyond the initial review. Inquiries regarding the position may be e-mailed to Jenna Monroy at jmonroy@natsci.claremont.edu. Review of applications will begin October 1, and the position will remain open until filled.

The Department of Natural Sciences of Pitzer and Scripps Colleges is an equal-opportunity employer. In keeping with its ongoing commitment to build and support a diverse and equitable academic community, the Department of Natural Sciences actively encourages applications from women and members of historically underrepresented groups.

Sarah Gilman

Associate Professor of Biology

Department of Natural Sciences, Pitzer and Scripps Colleges Keck Science Department, Claremont McKenna College 925 N. Mills Avenue Claremont, CA 91711

https://www.kecksci.claremont.edu/people/sarah-gilman/ sgilman@natsci.claremont.edu 909-607-0715 https://calendly.com/sgilman-natsci/ https://tinyurl.com/sgilmancal “Gilman, Sarah” <Sarah.Gilman@ClaremontMcKenna.edu>

FloridaDeptAgriculture TaxonomicEntomologist

Regulatory Entomologist / Taxonomic Identifier of Scale Insects and Whiteflies (full time staff position) Florida Department of Agriculture and Consumer Services, Division of Plant Industry // Florida State Collection of Arthropods

Gainesville, Florida, USA, 32608

JOB SUMMARY: We are looking for a taxonomic identifier for Coccomorpha (scale insects) and Aleyrodidae (whiteflies), who will supervise two support staff members working with regulatory samples and related tasks. Duties also include some research and curation of these taxa in the Florida State Collection of Arthropods. This is a full time position with benefits.

JOB DUTIES: This is a highly technical, supervisory position that has diagnostic responsibilities of arthropods of the Order Hemiptera in support of the plant and plant pest regulatory activities of the Division of Plant Industry.

The incumbent spends majority of their time communicating with, motivating, providing, or coordinating training, and directing the work of subordinates. In addition, the incumbent must complete timely performance appraisals, develop accurate work plans, and timely approve attendance and leave for each subordinate. Incumbent has the authority to make recommendations for special pay increases, reclassifications, hiring, and disciplinary actions, when appropriate. Responsible and accountable for managing budget/dollars/resources (staff, vehicles, computers, cell phones, etc.) of any assigned programs in an efficient and accountable manner. Responsible for ensuring that assigned program areas have operational procedures and processes which result in accountability and compliance with division and department policies and procedures.

Performs final regulatory identifications and classifications of Hemiptera and other assigned taxa to the lowest taxonomic unit possible, using morphometric analysis and other scientific methods. Oversees management of Entomology sample processing within assigned taxonomic areas.

Develops identifications tools for taxa relevant to Florida's fauna. Writes internal reports to advise leadership, pest alerts, outreach materials, and publishes research manuscripts in the appropriate scientific journals and outlets. Presents scientific findings, as requested. Collaborates with other experts worldwide. Maintains involvement in the scientific community via professional societies, peer-review, conferences, and training workshops.

Manages regulatory collections of the assigned taxa of the Florida State Collection of Arthropods. Keeps appropriate files and records for data retrieval. Prepares specimens for loans to arthropod systematists, maintains invoice files and corresponds with these scientists.

Performs other duties as required.

MINIMUM REQUIREMENTS: Education - A doctorate from an accredited college or university with major course of study in one of the biological sciencesandtwo (2) years of professional biological experience in a field or laboratory program.

PREFERRED REQUIREMENTS: Experience with entomology, taxonomy, systematics, invasion biology, identification of Hemiptera (specifically Coccomorpha and Aleyrodidae), proficiency in slide mounting, publication record.

WORK SCHEDULE: Standard Hours: 40

COMPENSATION INFORMATION: Anticipated Salary Range: $55,000.40 - $62,000.12

APPLICATION DEADLINE: August 20, 2025

APPLICATIONS: https://jobs.myflorida.com/job/-GAINESVILLE-ENTOMOLOGIST-SES-42001237-FL-32601/1314652500/ Inquiries about this position may be directed to: Dr. Erin Powell, Biological Administrator, Curator of Coccomorpha and Aleyrodidae, Florida Department of Agriculture and Consumer Services // Florida State Collection of Arthropods

Erin.Powell@fdacs.gov

"Powell, Erin" <Erin.Powell@fdacs.gov>

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KunmingInstZool Biodiversity ClusterHire

Senior Principal Investigator, Junior Principal Investigator, and Postdoctoral Positions at the Kunming Institute of Zoology, Chinese Academy of Sciences (KIZ, CAS) Kunming, China; Competitive Salary + Benefits

Packages

The Kunming Institute of Zoology in Kunming, China is recruiting Senior and Junior PIs and postdoctoral fellows across all its research fields, which include evolution, genetics, ecology, and conservation.

We have particular interest in recruiting a senior PI to develop scalable biodiversity monitoring, for both basic and applied science.

Kunming is a very liveable city with the ideal climate combination of high altitude (1900 m) in the subtropics. KIZ has no undergraduate teaching.

We will begin assessing applications on 12 September 2025.

To make informal queries regarding applications at the Senior and Junior PI levels, especially from non-Chinese nationals, please feel free to email me at dougwyu@mac.com.

I will post this announcement multiple times before the deadline. The formal announcement is below.

Douglas Yu

About the KIZ

The Kunming Institute of Zoology (KIZ) is directly affiliated to the Chinese Academy of Sciences (CAS). Located at the head of the Indo-Burma biodiversity hotspot, KIZ is dedicated to research in the fields of evolution, genetics, human disease mechanisms, ecology, and biodiversity conservation.

KIZ provides a fertile environment for scientific innovation and vibrant interactions, offering competitive remuneration packages and high-quality training programmes for graduate students and postdoctoral fellows. The Institute currently has 40 research groups and attracts postgraduate students from around the world. It is home to several major research platforms, including the State Key Laboratory of Genetic Evolution & Animal Models, the National Research Facility for Phenotypic and Genotypic Analysis of Model Animals (our primate facility), and the Kunming National High-level Biosafety Primate Research Centre (Level-3 Lab). For more information, see www.kiz.ac.cn or english.kiz.ac.cn

KIZ welcomes applications for (1) Senior Principal Investigators, (2) Junior Principal Investigators, and (3) Postdoctoral Fellows from interested individuals of all nationalities and ethnicities.

Positions: 1. Senior Principal Investigators (Level 2)

To lead large research teams that tackle high-risk/high-reward questions in one or more of the research fields listed above. Level 2 PIs are equivalent to Full Professors in the western academic system. Qualifications: Candidates should have made significant contributions in one or more of the research fields listed above. Candidates should have shown the ability to independently fund and lead a research team. Candidates should have demonstrated a high degree of scientific integrity and interest in collaborative research. Support: Senior PIs will receive full support from KIZ to establish a research team of research technicians, postdoctoral fellows, and graduate students. In addition, KIZ will provide excellent research facilities, attractive start-up funding, and competitive salary, benefits, and housing subsidy.

2. Junior Principal Investigators (Level 4)

To establish independent research programmes in one or more of the research fields listed above. Level 4 PIs are equivalent to Assistant Professors in the western academic system. Qualifications: Candidates should have a PhD degree in a relevant field. Candidates should have excellent scholastic achievements and exhibit the potential to develop into an independent scientist. Candidates should demonstrate a strong team spirit and a high degree of scientific integrity. Support: Junior PIs will be supported with the resources necessary to establish an independent research programme, including start-up funds, laboratory space, and a salary and benefits, and housing subsidy. A mentorship committee of three senior PIs will provide guidance in research direction and laboratory management.

3. Postdoctoral Fellows

To join one of the well-funded research laboratories in KIZ, contributing your expertise in evolutionary biology, genetics, molecular and cell biology, ecology, bioinformatics, and/or statistics. Qualifications: Candidates should have a PhD degree in a relevant field.

How to Apply (send to kizfsc@mail.kiz.ac.cn)

Cover letter (please specify your target position) CV (include birthdate, nationality, and full publication list) Contact information for 3 references Deadline: We will begin assessing applications on 12 August 2025. Explore: www.kiz.ac.cn The law locks up the man or woman / Who steals the goose from off the common But leaves the greater villain loose / Who steals the common from under the goose (1700s, source < https://-en.wikipedia.org/wiki/The_Goose_and_the_Common >)

Douglas W. Yu, Ph.D.

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MKOResearch HenHarrierConservation

Agent-Based Modelling Specialist - Hen Harrier Energetics at MKO Research Location: Remote - Anywhere Duration: 12-month fixed-term contract Salary: EUR 45,900 - 49,500

Agent-Based Modelling Specialist - Hen Harrier Energetics at MKO Research Location: Remote - Anywhere Duration: 12-month fixed-term contract Salary: EUR 45,900 - 49,500

Project Overview MKO Research is leading the RE:HARRIER Project, a four-year, SEAI-funded Research, Development, and Demonstration initiative. The project investigates how hen harriers (Circus cyaneus) use Irish upland landscapes and how these patterns can inform the sustainable planning of wind energy developments. Given the species' conservation status and sensitivity to habitat change, this work plays a critical role in spatial planning and raptor conservation in Ireland.

Position Summary We are seeking a motivated and independent contractor to lead the development of an agent-based model (ABM) of hen harrier energetics and foraging ranges under varying habitat and prey conditions. The model will estimate the spatial requirements of hen harriers across different upland environments and provide key evidence to inform conservation and planning decisions. The successful candidate will collaborate with the RE:HARRIER lead ecologist/project collaborators to shape model structure, inputs, and study focus during the early phase of the contract. Thereafter, the role will involve independently managing the design, implementation, and delivery of the ABM. Spatial and ecological datasets (including habitat maps, prey availability estimates, and movement data) will be provided. This role is suited to a PhD level (or higher) researcher or an experienced ecological modeller, whether academic or freelance, with a demonstrated track record in agent-based modelling.

Deliverables - A documented, runnable ABM (e.g. built in NetLogo or similar) - Drafted methods and results sections suitable for submission to a peer- reviewed publication - All deliverables must be completed within the 12-month contract period. Key milestones will be agreed upon at the outset.

Key Responsibilities - Develop, implement, and refine agent-based models of hen harrier energetics and foraging behaviour - Integrate habitat, prey, and landscape data provided by the RE:HARRIER team - Lead or contribute to scientific manuscripts for submission to peer-reviewed journals - Provide regular progress updates and participate in periodic project meetings - Ensure all deliverables are completed by contract end

Essential Criteria - PhD-level (or higher) experience in agent-based or individual- based modelling - Proficiency with NetLogo or comparable platforms for ABM development - Strong analytical skills with large ecological datasets - Demonstrated publication record in peer-reviewed journals - Excellent organisational and time management skills - Strong communication and reporting ability

Desirable Criteria - Familiarity with raptor ecology, upland habitats, or the ecological impacts of renewable energy - Experience in project coordination or research management - Experience preparing or contributing to research funding proposals

How to Apply Please submit a CV and a brief cover letter (max 1 page) outlining your relevant experience relating to the job criteria, past ABM projects, and/or research papers, including your specific role and the questions or systems modelled, along with your availability and expected monthly rate to https://mkoireland.ie/careers/-current-vacancies/ This is a contract for services, not an employment position. The successful candidate will be responsible for their own taxes, insurance, and working arrangements.

Hannah Edwards

Research Ecologist

MKO

Tuam Road, Galway, H91 VW84

Offices in Galway and Dublin

mkoireland.ie | +353 (0)91 735 611

Hannah Edwards <hedwards@mkoireland.ie>

NRM Stockholm Sweden Bioinformatician

Title: Bioinformatician with expertise in genome data analysis

Deadline for application: 8 September 2025

Employer: Swedish Museum of Natural History (https://-/www.nrm.se), Stockholm, Sweden.

Type of employment: Permanent or fixed-term employment

Description: The Swedish Museum of Natural History is looking for a bioinformatician to join the staff at the Department of Bioinformatics and Genetics (https://www.nrm.se/engelska/in-english/about-us/organisation/research-division/department-of-bioinformatics-and-genetics).

Duties: Most of the time (about 70-80%) will be spent assisting and facilitating (long-term and daily) researchers from the Swedish Museum of Natural History who want to conduct collection-based genetic research. In order to be at the forefront of science, part of the working time (about 20-30%) is expected to be devoted to own research, which includes publishing research articles and applying for external funding.

Full description and How to Apply at Arbetsfi¿½rmedlingen (use the Translate link for English version): https://arbetsformedlingen.se/-platsbanken/annonser/29793822 Johan Nylander <Johan.Nylander@nrm.se>

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OregonStateU ResAssist ShellfishConservation

The Coastal Oregon Marine Experiment Station is seeking a salaried Academic Wage: Faculty Research Assistant. This is a full-time (1.00 FTE), 12-month, fixed-term position.

The Faculty Research Assistant position directly supports the mission of the COMES department which focuses on sustainability of marine resources and fisheries and best uses and safety of seafood including marine aquaculture products. The Research Assistant will contribute to the objectives of the USDA-ARS Pacific Shellfish Research Unit and the project "Improving the Sustainability and Productivity of Shellfish Culture in Pacific Estuaries" which includes examining the role of biotic and abiotic stressors in successful culture of oysters and the role of shellfish as habitat for other fish and invertebrates in the estuarine environment.

The research assistant will contribute to projects investigating the physiological and molecular genetic responses of shellfish to abiotic and biotic stressors in the lab and the field using genetic and 'omics methodologies. The Incumbent is expected to process and analyze data with appropriate statistical tools, assist with conducting laboratory and field experiments including deploying instruments to track environmental conditions in the field, and report research findings.

This position is located in Newport, Oregon and the incumbent will be part of a team working with project investigators at OSU and USDA-ARS.

KEY RESPONSIBILITIES:

35% - Plan and execute research with USDA-ARS and OSU collaborators involving experimental or field observation and sampling of oysters exposed to various biotic and abiotic stressors (high temperature, low pH, herpes virus OsHv1), utilizing genetic and 'omics data to investigate the physiological responses to these environments. Examine changes in the transcriptome and other genomic data over time during field deployments, tracking environmental changes recorded by sondes or other environmental data sources.

30% - Compile research findings; create publications from research and present research findings with project collaborators.

15% - Evaluate factors affecting shellfish survival and growth by planting oysters and monitoring environmental conditions in estuaries. The employee in this position may be required to lift, carry, push, and pull objects (sondes, nets, cameras, and other collection devices) weighing up to 50 pounds. The employee in this position will also be required to drive OSU and USDA-ARS vehicles to field work locations.

10% - Evaluate, interpret, and analyze data collected from environmental monitoring equipment, and field surveys and experiments using appropriate statistical tools.

5% - Store samples, maintain databases, inventory and

store chemicals, service and maintain small boats and field equipment and maintain safe laboratory conditions.

5% - Supervise 1-2 volunteers or other student workers as needed which may include planning, assigning, and approving work.

See full job advertisement here:

https://jobs.oregonstate.edu/postings/171909 Please direct any questions to Louis.plough@usda.gov

"Plough, Louis - REE-ARS" <Louis.Plough@usda.gov>

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TexasAMU Two ComparativeGenomics

Colleagues,

The College of Veterinary Medicine and Biomedical Sciences and the College of Agriculture and Life Sciences of Texas A&M University are excited to announce six tenure-track faculty positions in the newly created Center for Comparative Genomics (CCGEN) at Texas A&M University. Descriptions of the positions and instructions for applicants can be found below.

Sincerely,

Brian W Davis Texas A&M College of Veterinary Medicine

-1-

Tenure-Track: Assistant Professors of Comparative Genomics Texas A&M University: College of Agriculture and Life Sciences

Location: College Station, TX

Open Date: Aug 19, 2025

Description

The College of Agriculture and Life Sciences (COALS) at Texas A&M University (TAMU) invites applicants for two fully budgeted, 9-month full- time, tenure-track faculty positions at the Assistant Professor level in comparative genomics (Departments of Animal Science and Entomology). This recruitment is part of a cluster hire for the new Center for Comparative Genomics (CCGEN) in collaboration with the College of Veterinary Medicine and Biomedical Sciences (VMBS) and Texas A&M AgriLife Research. We seek energetic individuals applying innovative comparative genomic approaches, leveraging long-read sequencing technologies and pangenomic concepts, to better understand the genomic architecture of complex traits, disease conditions, and adaptation in managed and natural populations of agriculturally important vertebrates and/or arthropods. One position will be housed in the Department of Animal Science, and the other in the Department of Entomology. The anticipated start date is August 3, 2026. Salary and start-up packages will be competitive and commensurate with experience and qualifications.

We are particularly seeking individuals with research experience in any of the following four thematic areas:

Vertebrate/Arthropod genomics. Individuals using whole genome comparisons to connect genetic variation to phenotypes relevant to disease and/or toxin susceptibility/resistance, morphology, reproduction, meat animal end product characteristics, feed or water utilization, other characterizations of adaptation, and environmental impact.

Developmental genomics. Individuals leveraging comparisons between distantly related organisms with complete genome assemblies aimed at identifying the fundamental units of gene regulation that dictate development and organismal health and applying this knowledge in a translational framework.

Biodiversity & Conservation genomics. Individuals applying cutting-edge comparative genomic methods at the population and species levels to assess the genetic health of threatened and endangered livestock breeds and other species (beneficials) or invasive species (pests) to improve population management/control.

Structure and function of complex genomic regions. Individuals studying the function and diversity of genomic dark matter in complex eukaryotic genomes, including retroelement and satellite variation in normal physiology and disease.

The successful applicants will join a vibrant group of highly collaborative and productive scientists working in the field of comparative genomics across numerous animal species. Faculty members working in this area are distributed primarily across multiple departments in the College of Veterinary Medicine and Biomedical Sciences and the College of Agriculture & Life Sciences. These faculty members are integral to the broader TAMU Interdisciplinary Program in Genetics and Genomics (GGEN), a collaborative and nationally and internationally influential group of faculty and their trainees from twenty departments in six colleges. The faculty is supported by state-of-the-art next-generation genomics facilities and computational infrastructure housed in the

High-Performance Research Computing center. Beyond the genetics and genomics community, broad collaborative opportunities are available across campus, including the potential to work with clinical veterinarians within the VMBS, and members of interdisciplinary faculties in reproductive biology, toxicology, ecology & evolutionary biology, environmental health, and neuroscience.

The successful candidates will be expected to develop and sustain a vigorous extramurally funded research program. In addition, candidates will be expected to contribute to recruiting and training graduate students in either the GGEN Ph.D. program or the relevant Ph.D. programs in their home Department (Animal Science or Entomology). They will also be expected to teach at the undergraduate and/or graduate-level, conditional on the candidates interests and departmental/programmatic needs. The successful candidates will also contribute to departmental and university-wide service efforts.

ABOUT TEXAS A&M UNIVERSITY

Texas A&M is a Tier 1 research university and one of the largest universities in the United States, with more than 4,300 faculty members and

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TulaneU TeachingMarineEvolBiology

The Department of Ecology and Evolutionary Biology (EEB; https://sse.tulane.edu/eebio) in the School of Science and Engineering at Tulane University in New Orleans announces a Professor of Practice (PoP) position with a focus in marine biology with an anticipated start date of January 1, 2026. The successful candidate will teach lecture and laboratory courses in EEB, such as but not limited to Diversity of Life, Mechanisms of Life, Marine Biology, Oceans and Human Health, Sharks and their Relatives, Marine Invertebrates or other, as complementary to our course catalog (https://catalog.tulane.edu/courses/ebio/). Specific responsibilities of the nine-month appointment include teaching the equivalent of three courses each semester, advising EEB majors and marine biology minors (major and non-major tracks), and serving on department, program, and university committees. Professors of Practice hold three-year renewable contracts and, after serving two three-year terms are eligible for promotion to Senior Professor of Practice with five- and seven-year renewal terms.

The EEB Department currently includes four full-time Professors of Practice and eleven tenure-track Professors and offers BS, MS and PhD degrees. The ideal candidate will be committed to excellence in teaching as well as innovative and inclusive pedagogy. Professors of the Practice provide an important contribution to undergraduate teaching, which serves to broaden the undergraduate curriculum in the EEB Department. Professors of Practice can also provide field, service, and/or research opportunities for undergraduates, and may also have opportunities for summer teaching with additional renumeration. Tulane is committed to promoting teaching excellence through additional campus-wide resources such as the Center for Engaged Learning and Learning (https://celt.tulane.edu).

Qualifications A doctorate in Biology or a related field is required.

Application Instructions Applicants should submit a letter of application, a curriculum vitae, teaching philosophy, course evaluations, and contact information of three professional references through Interfolio (https://apply.interfolio.com/171874). Doctorate is required by December 15, 2026. Questions regarding the position can be addressed to Dr. Keith Clay (clay@tulane.edu) or Dr. Donata Henry (droome@tulane.edu).

We will begin reviewing applications starting on September 15 and will continue until the position is filled.

“Sidlauskas, Brian L” <bsidlauskas@tulane.edu>

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UCalgary ConservationBiology

The Department of Biological Sciences in the Faculty of Science at the University of Calgary invites applications for a full-time tenure-track faculty position in Freshwater Ecology, with an anticipated start date in 2026. The successful candidate will be appointed at the rank of Assistant Professor (tenure-track).

The successful candidate will develop a world-class research program in the areas of limnology, fisheries sci-

ence, ecotoxicology, conservation biology, or ecological dynamics (at the population, community, or ecosystem level). Expertise in these areas should include water quality assessment, nutrient cycling, ecosystem functioning, fish ecotoxicology, environmental monitoring, fish population dynamics and stock assessment, food web interactions, biodiversity patterns, restoration ecology or sustainable fisheries management.

The successful candidate is expected to establish a vibrant and internationally recognized, externally funded research program, as well as provide excellent, innovative education for undergraduate and graduate students. The successful candidate will assist in meeting the institutional goals outlined in 'Get Science Done < https://-/science.ucalgary.ca/get-science-done-strategic-plan >' strategic plan for the Faculty of Science, and the University of Calgary 'Ahead of Tomorrow < https://-ucalgary.ca/about/ahead-of-tomorrow >' strategic plan.

The successful candidate must possess a PhD and postdoctoral research experience in Aquatic Ecology or a related discipline. Applicants must have a strong publication record demonstrating excellence in research related to Aquatic Ecology and Environmental Science. Candidates must also demonstrate a strong commitment to teaching and learning, and the use of contemporary approaches to teaching.

The successful candidate will be expected to engage in service activities, as appropriate.

How to Apply

Interested individuals are encouraged to apply online via the 'Apply Now' link. Please note that the application process allows for only four attachments. Your application attachments should be organized to contain the following: - Cover letter and curriculum vitae, including the names and contact information of three referees - Statement of research interests (1-3 pages) - Statement of mentorship and teaching philosophy and experience (1-2 pages).

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

The University of Calgary recognizes that a diverse staff/faculty enriches the work, learning and research experiences of the entire campus and the greater community. We are committed to removing barriers that have been historically encountered by some people in our society, and strive to recruit individuals who will further enhance our diversity. In particular, we encourage members of the four designated groups (women, Indigenous Peoples, persons with disabilities, and members of visible minorities) to apply. All qualified candidates are encouraged to apply; however, in appropriate circumstances, preference in hiring may be accorded to candidates from the groups noted above. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding diversity or requests for accommodation can be sent to Human Resources (hrhire@ucalgary.ca).

The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged, but not required, to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Selection committees have been instructed to give careful consideration to the impact of career interruptions when assessing the candidate's research productivity.

Questions may be addressed to: David Hansen, Head, Department of Biological Sciences dhansen@ucalgary.ca

Applications will be accepted until September 5, 2025.

The Department of Biological Sciences at the University is committed to student engagement and creating an innovative, student-centered learning environment. Information about the Department and its programs can be found at http://bio.ucalgary.ca . The University of Calgary's comprehensive benefits and pension program is designed to promote a productive level of health and well-being to staff members through coverage for health, dental, life insurance, income protection for disability, and retirement income planning. To learn about our comprehensive benefits package, please visit http://www.ucalgary.ca/hr/academic_benefits_pension .

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UCollegeLondon ResFellow PathogenGenomics

Title: Research fellow in ancient pathogen genomics

Deadline for application: 25th September 2025

Employer: van Dorp group, University College Lon-

don, London, United Kingdom (https://www.ucl.ac.uk/~ucbpvan/)

Description: We are seeking an enthusiastic, ambitious, and creative postdoctoral researcher with expertise in both wet-lab techniques and computational genomics to join the van Dorp lab at the UCL Genetics Institute. This UKRI-funded role will contribute to a cutting-edge project reconstructing the evolutionary drivers of zoonotic pathogens.The successful candidate will join a dynamic, multidisciplinary team studying historic and ancient pathogen genomes derived from archaeological, archival, and clinical materials to uncover the adaptive evolution and transmission histories of infectious diseases. You will work with exceptional samples and datasets spanning both pre- and post-drug eras, including lineages that are now eradicated. In this role, you will generate data from these unique samples and lead analyses using allele frequency time series to assess population structure, calibrate evolutionary rates, and map adaptive evolution. This is a fixed-term role until January 2028 in the first instance.

Full description and how to apply: https://www.ucl.ac.uk/work-at-ucl/search-ucl-jobs/details?nPostingId=15550&nPostingTargetId=37532&id=Q1KFK026203F3VBQBLO8M8M07&LG=UK&languageSelect=UK&mask=ext Enquiries: Lucy van Dorp, lucy.dorp.12@ucl.ac.uk

"van Dorp, Lucy" <lucy.dorp.12@ucl.ac.uk>

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UIllinois EvoDevoAnatomy

Assistant Professor

Evolutionary Development of Comparative Anatomy

University of Illinois Urbana-Champaign

The Department of Evolution, Ecology and Behavior and the School of Integrative Biology at the University of Illinois Urbana-Champaign invite applications from biologists with a record of research in evolution, morphology, and/or development for a full-time, 9-month, tenure-track faculty position at the assistant professor level, with the anticipated start date of August 16, 2026.

The successful candidate will engage in research and teaching in evolutionary development and/or morphological evolution, including comparative anatomy, evolution, development, phenotypic plasticity, or physiology. We are also interested in research on the effects of stress (including the impact of climate, social structure, and parental resources) on development and organismal resilience. We are also interested in individuals applying novel research techniques, including genomics, precise sequencing or imaging, advanced measures of physiology, and/or lab or field-based experimental designs. The successful candidate will be expected to have an externally funded research program and collaborate with other faculty to develop research initiatives; this position provides an opportunity to be part of dynamic and well-established communities of integrative biologists with interests spanning a wide range of taxa in the School of Integrative Biology, as well as many interdisciplinary programs across the campus, including the Illinois Natural History Survey, which houses several large vertebrate and invertebrate collections, the Carl R. Woese Institute for Genomic Biology, and the Beckman Institute for Science and Technology. Responsibilities also include teaching and participation in both undergraduate and graduate training.

The successful candidate must have a Ph.D. in ecology, evolution, biology, zoology, genetics/genomics, conservation biology, or a related discipline. Applicants must show evidence of research productivity and evidence (or promise of developing) teaching and mentorship effectiveness at the undergraduate and graduate levels.

The budgeted salary range for the position is $89,000 to $98,000 at the Assistant Professor level, for a 9-month service basis. The pay offered to the selected candidate will be determined based on factors, including (but not limited to) the candidate's experience and qualifications, as well as equivalent years in rank, training, and field or discipline; internal equity; and external market pay for comparable jobs.? It is not typical for a beginning Assistant Professor to be offered a salary at or near the top of the full range for the position.

To apply, create your candidate profile through https://go.illinois.edu/ and submit application materials. Applicants must submit a letter of application, curriculum vitae, links to 3 representative publications, a statement of teaching philosophy and interests, a statement of research interests, and contact information for three professional references. We ask that all documents be uploaded in a single .pdf file in the Resume/CV section.

Letters of recommendation may be requested electronically at a later date. Only applications submitted through the University of Illinois Job Board will be considered. To ensure full consideration, applications should be received by October 31, 2025. Interviews may take place before the closing date; however, no hiring

decision will be made until after that date.

Questions about the position may be directed to Gloria Talavera at mvt1968@illinois.edu.

Questions regarding the application materials may be directed to lascollegehiring@illinois.edu

Questions regarding the application portal can be directed to 217-333-2137 or jobs@illinois.edu

The University of Illinois has an active and successful dual-career partner placement program, along with a strong commitment to work-life balance and family-friendly programs for faculty and staff (http://provost.illinois.edu/faculty-affairs/work-life-balance/). To find out more about the resources available at the university and the Urbana-Champaign community, please visit these sites:

Dual Career Program

Benefits

Living in Champaign-Urbana

The University of Illinois Urbana-Champaign (www.illinois.edu) is located approximately 120 miles south of Chicago in a metropolitan area of approximately 232,000 people. The campus is home to internationally recognized facilities and interdisciplinary programs including the Carl R. Woese Institute for Genomic Biology (www.igb.illinois.edu), Beckman Institute (www.beckman.illinois.edu), Energy Biosciences Institute

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UMinnesota HumanEvolutionaryAnthro

The University of Minnesota is hiring a Biological Anthropologist UMN search for a Biological Anthropologist in 2025-2026

About the Position The Department of Anthropology in the College of Liberal Arts at the University of Minnesota, Twin Cities invites applications for a full-time, tenure-track position in paleoanthropology beginning fall semester 2026. We seek scholars at the cutting edge of biological anthropology who critically utilize scientific approaches, broadly conceived, to answer anthropological questions related to the evolution and variation of humans and/or hominin ancestors. Possible research areas include hominin fossil record and skeletal anatomy, biomechanics and functional morphology, or evolutionary approaches to the study of human adaptations. Appointment will be 100% time over the nine-month academic year (late August to late May). The appointment will be made at the rank of tenure-track Assistant Professor, depending on qualifications and experience, and consistent with collegiate and University policy.

Faculty in the Department of Anthropology in the College of Liberal Arts are expected to maintain an active program of scholarly research or creative activity that includes publications; teaching undergraduate and graduate level courses; advising students; pursuit of extramural funding; and service effort appropriate for the level of appointment to the department, college, university and profession. The holder of this position is expected to teach two courses per semester, which includes joining the teaching rotation for a large introductory course in biological anthropology, as well as developing specific undergraduate and graduate courses in the candidateï¿½s area of expertise. We are especially interested in candidates who, broadly conceived, enhance diversity in the department and whose interests integrate with and expand on current department expertise in biological anthropology, and can interface with the four fields of anthropology.

The Standards for Promotion and Tenure in the Department of Anthropology are available at: https://z.umn.edu/AnthStandardsPromotionTenure The Workload Principles and Guidelines for Regular Faculty in the College of Liberal Arts are available at https://z.umn.edu/CLAFacultyWorkloadPrinciplesGuidelines . State law requires a good faith estimate of the salary range for all advertised positions.

The range for this position is $75,000 to $150,000, depending on discipline, experience and other considerations. Faculty positions also include significant start-up funds, as well as retirement, health and other benefits.

Qualifications Required Qualifications: A Ph.D. in anthropology or closely related field is expected to be in hand at the time of the appointment.

Preferred Qualifications: Evidence of research - including postdoctoral or equivalent post-degree experience - in biological anthropology, specifically of paleoanthropology, functional anatomy, or similar.

Candidates will be evaluated according to the overall

quality of their academic preparation, the strength of their research and its relevance to the departmentï¿½s academic priorities and the field of inquiry, evidence of commitment to teaching and skills as a teacher, and the quality of recommendations. The successful applicant will have a strong commitment to contribute at all levels of our undergraduate and graduate programs.

How to Apply The priority deadline for application materials is October 17, 2025. This position will remain open until filled. Applications must be submitted online. To be considered for this position, please click the Apply button and follow the instructions for completing an application.

Required documents must be attached by accessing your "My Job Applications" page and can be attached after submission of the application by exiting and re-entering the Job Center, accessing your "My Job Applications" page, and uploading documents there. The following materials must be attached to your online application: (1) cover letter; (2) curriculum vitae; (3) research statement; (4) teaching statement; (5) and names, addresses and email contact information for three references as a separate attachment in "My Job Applications." Additional materials may be requested at a later date.

Questions may be addressed to search committee chair Michelle Brown [brow7100@umn.edu].

Hannah Quarnstrom <quarn009@umn.edu>

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UofGuelph BiodiversityGenomicsChair

Canada Excellence Research Chair in Biodiversity Genomics

Location: Guelph, CA, N1G 2W1 Primary Category Page: Faculty, Librarian and Veterinarian Division: College of Biological Science Requisition ID: 1617 Position Title / Rank: Associate or Full Professor and CERC Chair in Biodiversity Genomics Department: Integrative Biology

Position Description:

The Canada Excellence Research Chairs (CERC) program is Canada's most prestigious Research Chair program. It is designed to attract the top tier of world-class researchers and their teams to launch ambitious research programs at Canadian universities, with the goal to advance the Government of Canada's science, technology and innovation priorities.

The University of Guelph welcomes applications from world-leading researchers in the field of Biodiversity Genomics to the 2026 CERC competition, offering chairholders the opportunity to launch ambitious and impactful research programs, and build a critical mass of expertise to further Canada's growing reputation as a global leader in research and innovation. Preference will be given to applications from individuals whose country of residence and current appointment/employment is outside of Canada at the time of nomination; however, strong applicants currently employed in Canada will also be considered. Applicants currently employed in Canada must demonstrate how moving from their current institution to the University of Guelph will result in a net benefit to Canada.

Candidates must be full professors (or equivalent) or associate professors who are expected to be promoted to full professor within one or two years of the nomination. Alternatively, if they come from outside the academic sector, candidates must possess the qualifications necessary to be appointed at this level. Please consult the CERC website for full program information, including details on eligibility. A Ph.D. in Biology or a related field is required by the University of Guelph.

Canada Excellence Research Chair in Biodiversity Genomics The University of Guelph invites applications for a Canada Excellence Research Chair (CERC) in Biodiversity Genomics. This position aims to advance fundamental and applied research in biodiversity genomics, addressing critical challenges related to global change and environmental sustainability. The CERC program offers universities award values of either $8 million or $4 million over eight years to support world–renowned researchers and their teams. The CERC in Biodiversity Genomics has a value of $4 million over 8 years.

Building on Our Strengths and Forging New Frontiers Applicants should demonstrate how their research can integrate with and enhance the existing strengths of the University of Guelph's and Department of Integrative Biology's biodiversity and genomics initiatives, particularly the world-renowned Centre for Biodiversity Genomics (CBG). The CBG provides global leadership in biodiversity discovery and will be a key institutional partner in supporting the research vision and long-term success of the CERC. We seek researchers who can extend current DNA barcoding and derived technologies in which we have world-leading strengths and incorporate comprehensive, integrative genomics research and

cutting-edge technologies that expand our understanding of biodiversity.

Areas of Interest and Innovation Applicants are encouraged to investigate current faculty profiles in the Department of Integrative Biology and College of Biological Science and propose novel research directions that fit within, integrate among, or otherwise complement the Department of Integrative Biology's three primary research pillars of ecology, evolution, and comparative animal physiology. We invite candidates whose work is interdisciplinary, and we are eager to advance research that addresses the global biodiversity crisis, supports environmental resilience, and informs policy and management strategies. These themes may include, but are not limited to:

Population, community and landscape level genomics, addressing evolutionary responses and adaptation under global change

Genomics applications in conservation, sustainable land management, and ecological restoration

Whole-genome sequencing across diverse taxonomic groups and ecosystems, exploring microbial, plant, animal, and fungi biodiversityâaquatic, terrestrial, polar, urban (etc.) ecosystemsâinnovative and broadly applicable genomic approaches

Developing new technologies and methodologies in biodiversity genomics to facilitate real-world applications in industry, government, and policy

Environmental DNA (eDNA), metabarcoding, and other high-throughput genomic tools for ecosystem-wide assessments

Syntheses of genomic databases using advanced bioinformatics and data analytics

The University of Guelph offers extensive research infrastructure to support the CERC's vision. Chief among these is the Centre for

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USalzburg Austria PlantEcophysiology

Applications are invited for the position of

* Full Professor of "Plant Ecophysiology"

in the Department of Environment & Biodiversity at the University of Salzburg, Austria

We seek an innovative scientist with an outstanding track record in research and academic teaching to fill the professorship of "Plant Ecophysiology" at the Dept. Environment & Biodiversity. The successful candidate is expected to have a well-established expertise in plant physiology and to combine experimental laboratory and field approaches. The candidate's research should cover aspects of topics within the area of molecular botany and will comprehensively represent the field of plant ecophysiology in both research and teaching. Research should focus primarily on questions relating to the physiological and molecular responses of plants to biotic or abiotic environmental stress or to the influence of environmental changes on physiological processes that are important in interactions between plants and mutualistic or parasitic interaction partners. The application of state-of-the-art methods (e.g. gas exchange measurements, omics technologies, modern imaging) combined with experimental approaches, such as experimental manipulation in climate chambers, is expected. Research programs developing foundations for predicting changes in physiological and developmental biological processes in wild plants or for breeding crops for sustainable agriculture, taking global change into account, are desirable.

The appointee will be teaching the entire spectrum of plant physiology in the University's Bachelor's degree programme "Biology", the Master's degree programme "Ecology & Evolution", as well as the Teacher's Training Study Programme (BA/MA) "Biology and Environmental Studies". Additional courses shall be offered in the international CIVIS programme, in the Bachelor's degree programme "Applied Environmental and Geosciences", which is currently being developed, and in other interdisciplinary study programmes encompassing the subject of sustainability at the University of Salzburg.

The University of Salzburg is a thriving university in Austria with a strong focus on research and offers an

attractive environment for innovative research. The university stands for outstanding achievements in both research and teaching in the areas of (digital) humanities, life sciences, sustainability of (social) processes and the link between art and science. With the four guiding themes of Art in Context, Development & Sustainability, Digital Life and Health & Mind, the university offers researchers excellent opportunities for inter- and transdisciplinary cooperation.

The new professorship will complement the existing research priorities of the Dept. Environment & Biodiversity and further strengthen its scientific integration. The Department is committed to research that explores interactions between plants, animals and the geosphere from both a disciplinary and interdisciplinary perspective. A particular focus thereby is on topics related to global change, encompassing both fundamental and applied studies. The department places significant emphasis on the implementation of research and teaching employing experimental study designs, including in-situ (field work) and ex-situ (laboratory work, cultivation / rearing of organisms) approaches. The Alpine region, including the Alpine foothills, is the primary, but not exclusive, study area. Further, the close cooperation with researchers from other disciplines (e.g., molecular and cell biology, mathematics, geography, geology) as well as with local and national non-university research institutions (e.g., national parks) is desired and encouraged. The successful candidate is expected to initiate and implement novel externally funded national and international research programs (e.g., FWF, FWF research groups, European joint projects), to build up a working group, and to show active participation in the academic self-administration.

Salzburg is a small city with prime living quality and high international visibility. While the city is culturally vibrant and internationally oriented, its surrounding of mountains and lakes offer excellent possibilities, not only for outdoor research, but also for activities including hiking, skiing, and other sports.

Areas of responsibility include in particular: * Independent academic research and publication activities in the field of plant ecophysiology (with a focus on molecular botany); * Participation in and further development of research and teaching cooperations of the University of Salzburg; * Active involvement in the relevant degree programmes at the University of Salzburg and doctoral education, including the supervision of theses and dissertations; * Promotion of junior researchers; * participation in university committees and in university self- administration; * Initiation/leadership of and participation in third-party funded

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USaoPaulo Two EvolGenetics Phylogenomics

The Institute of Biosciences of the University of Sāo Paulo (IB-USP) invites applications for one full-time faculty position at the rank of Professor Doutor in the Department of Genetics and Evolutionary Biology (DGBE), with a gross monthly salary of R$ 16.353,01 (05/2025). The position is in the field of Cell Biology. Applications must be submitted by 6:00 p.m. (Brasília Standard Time, UTC-3) on September 15th, 2025. Cell Biology, integrated with advanced microscopy and contemporary methodologies, plays a central role in advancing scientific research by enabling high-resolution analysis of cellular structures and cell behavior dynamics. This has greatly expanded our understanding of biological processes at the cellular and molecular levels. In this context, the DGBE is seeking a highly qualified candidate with demonstrated expertise in this area. The selected candidate will be expected to contribute meaningfully to original research, teaching, and outreach activities. This includes working collaboratively, fostering interdisciplinary initiatives, and actively pursuing research funding. The candidate is expected to ensure the consistent quality of core undergraduate and graduate courses, propose new curricular offerings, help develop or strengthen research groups, and assist in the coordination of core research facilities. This strategic hire aims to reinforce the Institute's leadership and long-term commitment to academic excellence in the life sciences.

The examination syllabus for this position includes the following 13 topics: 1. Structure of cell membranes and their specializations 2. DNA structure and eukaryotic chromosomes 3. Gene expression and the interphase nucleus 4. Intracellular compartments and transport 5. Origins of organelles and eukaryotic cells 6. The cytoskeleton: cellular support and movement 7. Oxidative organelles and cellular metabolism 8. Cell communication 9. The cell cycle control system and mitosis 10. Meiosis, inheritance, and diversity 11. Cell differentiation and death 12. Cellular communities: tissues, stem

cells, and cancer 13. Methods for studying the cell: from classical to contemporary approaches

Applications must be submitted online at: https://-uspdigital.usp.br/gr/admissao For further information, including procedures for validating doctoral degrees granted by foreign institutions, please contact: academica@ib.usp.br

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The Institute of Biosciences of the University of Sao Paulo (IB-USP) invites applications for one full-time faculty position at the rank of Professor Doutor in the Department of Zoology (DZ), with a gross monthly salary of R$ 16.353,01 (as of May 2025). The position is in the field of Bioinformatics and Phylogenomics of Metazoa. Applications must be submitted by 6:00 p.m. (Brasília Standard Time, UTC-3) on October 06, 2025.

Bioinformatics and Phylogenomics are fundamental to advancing scientific research by integrating genomic data and computational tools to address complex scientific questions. This interdisciplinary field is essential for unraveling evolutionary relationships, understanding biodiversity, and exploring biological processes at a molecular level. In this context, the Department of Zoology (DZ) is seeking a highly qualified candidate with demonstrated expertise in this area. The selected candidate will be expected to contribute to original research, teaching, and outreach activities. This includes working collaboratively, fostering interdisciplinary initiatives within and outside the department, and actively pursuing research funding. The candidate is expected to strengthen current research lines, ensure the consistent quality of core undergraduate and graduate courses, propose new curricular offerings, and contribute to the formation of highly qualified human resources. This strategic hire aims to address a critical departmental need, reinforce the Institute's leadership, and strengthen the long-term commitment to academic excellence in the life sciences, particularly given the department's foundational role in systematics and phylogenetics.

The examination syllabus for this position includes the following 11 topics: 1. Contemporary debate on the problems and potential scientific advancements in the utilization of artificial intelligence approaches, including supervised and unsupervised machine learning, deep learning, generative models, Bayesian networks and AI-guided probabilistic inference, large-scale language models, and hybrid and AutoML models. 2. Application of probabilistic inference methods for phylogenomic reconstruction, considering theoretical aspects, possibility of full implementation, computational technical capacity, and limitations in interpreting results. 3. Theoretical-philosophical foundation on the concepts of character, homology, and homoplasy, as well as the implementation of these

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USouthCarolina EvolutionaryGenetics

Department of Biological Sciences Assistant Professor Evolutionary Genetics

The faculty of the Department of Biological Sciences at the University of South Carolina, Columbia campus, invites applications for a 9-month, full time, tenure track position at the rank of Assistant Professor to begin on August 16, 2026. We seek to hire a biologist who addresses fundamental questions in evolutionary genetics.

Candidates must have a Ph.D. in biology or related discipline, and at least one year of postdoctoral research experience in biology by the start date of employment.

The successful candidate will join our graduate group in Ecology & Evolutionary Biology and will be expected to establish an independent, extramurally funded research program in evolutionary genetics. The successful candidate also will be responsible for teaching undergraduate and graduate courses in biology and mentoring undergraduate and graduate students in research.

The USC Department of Biological Sciences is a multidisciplinary unit including 35 tenured/tenure-track faculty members representing a broad range of research areas. It includes more than 1,800 undergraduate majors and over 70 graduate students and post-doctoral fellows. Our department is complemented by strong research connections to the School of Earth, Ocean, & Environment, the Baruch Institute for Marine and Coastal Sciences, and the USC School of Medicine. For more information about the Department, please visit our website here < http://www.biol.sc.edu/ >.

From the Upstate to the Lowcountry, the University of South Carolina system is transforming the lives of South Carolinians through the impact of our eight institutions and 20 locations throughout the state. More than 50,000 students are enrolled at one of eight in-

stitutions, including the research campus in Columbia and comprehensive four-year universities in Aiken, Upstate and Beaufort. In addition, our Palmetto College campuses in Salkehatchie, Union, Lancaster and Sumter enable students to earn associate or bachelor's degrees through a combination of in-person, online or blended learning. All of our system institutions place strong emphasis on service - helping to build healthier, more educated communities in South Carolina and beyond.

The University of South Carolina is an affirmative action/equal opportunity institution. Women, minorities, protected veterans, and individuals with disabilities are encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of age, ancestry, citizenship status, color, disability, ethnicity, familial status, gender (including transgender), gender identity or expression, genetic information, HIV/AIDs status, military status, national origin, pregnancy (false pregnancy, termination of pregnancy, childbirth, recovery therefrom or related medical conditions, breastfeeding), race, religion (including religious dress and grooming practices), sex, sexual orientation, veteran status, or any other bases under federal, state, local law, or regulations.

How to Apply

All applicants must apply online at USC Jobs at https://uscjobs.sc.edu/postings/192927. Applications must include (1) a cover letter, (2) a curriculum vita, (3) a research statement (up to 3 pages), (4) a statement describing teaching experience and interests (up to 2 pages), and (5) the names and email addresses of at least three references. Letters will be solicited after the initial review of applications by the search committee. Review of applications will begin 1 October 2025, and the position will remain open until filled. Inquiries about the position may be directed to Dr. Carrie Wessinger, Search Committee Chair (wessinc@mailbox.sc.edu; please put "Evolutionary Genetics search" in the subject line).

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

"Dudycha, Jeff" <DUDYCHA@biol.sc.edu>

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Other

Animal Photos Wanted

Dear colleagues,

I am looking for some animal photos that can be used in a textbook of evolutionary biology, which will be published in the Japanese language this autumn. Specifically, I am looking for the photos of:

Peppered moth, *Biston betularia, *of both melanic and non-melanic morphs (either in the same photo or in different ones, ideally each on both dark and whitish backgrounds).

Gouldian finch, *Chloebia gouldiae*, of both red- and black-head morphs (yellow morph may also be included). Either males or females will do (though I prefer males, if I can choose).

If you are willing to provide the photos, please let me know (Daisuke Kyogoku, d.kyogoku@gmail.com), with the conditions of use (credit indication, etc). My publisher will be happy if they do not need to pay royalties.

Please feel free to forward this message to those who may have the photos.

KYOGOKU, Daisuke (PhD) he/him $B5~6KBg=u(B Biological Sciences, Faculty of Science, Nara Women's University Kitauoya Nishimachi, Nara 630-8263 JAPAN E-mail: d.kyogoku@gmail.com, kyogoku@cc.nara-wu.ac.jp Personal website: https://sites.google.com/site/dkyogoku/ Daisuke Kyogoku <d.kyogoku@gmail.com>

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GenomicHistory Inference StrategiesTournament

The 2025 Genomic History Inference Strategies Tournament (GHIST) is live at https://ghi.st !

There are many ways to infer population history, natural selection, or other evolutionary properties from genomic data, and it is often unclear which methods work best for which tasks. GHIST is an annual forum for the community to test inference approaches in an unbiased fashion. Each year, the GHIST organizers release simulated population genomic data sets and host a competition to infer various aspects of the processes that generated those data. From the submissions, the community will learn what approaches perform well or poorly in particular circumstances. And it is a great training opportunity! Top competitors will be invited as coauthors on the publication describing the year's competition and earn cash prizes.

This year, GHIST consists of 5 demographic history inference challenges and 4 selective sweep detection challenges. You can use whatever approach you prefer to tackle each challenge. The competition will close November 14, 2025. So there is plenty of time, including for new trainees who start this semester.

To help you get started, we've created web apps to help you fit bottleneck demographic histories or detect sweeps. Find those on our webpage: https://ghi.st . You can also read about the 2024 competition in our bioRxiv preprint: https://doi.org/10.1101/2025.08.05.668560 .

For questions, please contact Ryan Gutenkunst <rgutenk@arizona.edu>.

"Gutenkunst, Ryan N - (rgutenk)" <rgutenk@arizona.edu>

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SMBE FellowsProgram

The Society for Molecular Biology and Evolution (SMBE) is excited to announce the SMBE Fellows Program!

The SMBE Fellows Program aims to provide mentorship and guidance to early-career researchers in scientific writing for evolutionary and molecular biology. Specifically, we aim to develop skills in writing Highlight articles for our two sister journals, Molecular Biology and Evolution (MBE) and Genome Biology and Evolution (GBE).

Fellows will gain experience in translating scientific research into articles for an informed, non-specialized audience while receiving editorial guidance and networking opportunities within the SMBE community. This is a unique opportunity for young researchers to contribute to the visibility of science in our field, gain networking opportunities, and build skills for a future career in research, publishing, or science communication.

All early-career researchers affiliated with the SMBE are welcome to apply before August 31. Please find more details on the program and the application procedure on our website: https://www.smbe.org/smbe-fellows-program/ SMBE Social Media <smbe.socialmedia@gmail.com>

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SMBE FellowsProgram ApplyBeforeAug31

Society for Molecular Biology and Evolution

SMBE Fellows Program

Apply before August 31st, 2025

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For more information, please contact:

Brandon Gaut (bgaut@uci.edu) Maud Tenaillon (maud.tenaillon@cnrs.fr) Pedro Andrade (smbe.socialmedia@gmail.com)

Warm Regards, Society for Molecular Biology and Evolution

Society for Molecular Biology and Evolution <smbe@am.kwglobal.com>

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SMBE WritingProgram ApplyBeforeAug31

Society for Molecular Biology and Evolution

SMBE Fellows Program

Apply before August 31st, 2025

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Warm Regards, Society for Molecular Biology and Evolution

.v-button {background: transparent !important;} Application Details

Society for Molecular Biology and Evolution +1.785.289.2056 smbe@am.kwglobal.com https://www.smbe.org/smbe/ https://bsky.app/profile/official-smbe.bsky.social 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. If you have questions or comments concerning this email contact Society for Molecular Biology and Evolution at smbe@am.kwglobal.com.

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AdamMickiewiczU HumanSexualSelection

We invite applications for one full-time Post-doctoral Researcher to join a new research group led by Dr Aleksandra Åukasiewicz at the Institute of Human Biology and Evolution, Adam Mickiewicz University (AMU) in PoznaÅ.

Project

This Polish National Science Centre-funded project, “Condition-dependent mechanisms of gamete-level mate choice (post-mating sexual selection) in humans,” investigates how male conditionâby immunocompetence and pathogen-recognition abilityâsperm performance and cryptic female choice at the gamete level. The work aims to shed light on mechanisms and the evolution of post-copulatory sexual selection in humans.

Role & Responsibilities - Design and conduct experiments across phenotypic assays, wet-lab work, and Oxford Nanopore (MinION) sequencing. - Analyse genomic/transcriptomic data; apply robust statistical and computational genomics approaches. - Lead manuscript preparation and conference presentations. - Collaborate within a multidisciplinary team and help mentor junior researchers. - Contribute to lab organisation, protocols, and data management.

About You (Essential) - PhD in biology, biotechnology, evolutionary biology, genetics, or a related field (awarded within the last ˜7 years, or close to completion). - Solid grounding in molecular and evolutionary biology plus genomics/transcriptomics. - Hands-on expertise in molecular and cellular biology and (human) molecular genetics. - Strong quantitative skills (statistics; proficiency in R and/or Python). - Track record of productivity (publications appropriate to career stage). - Team-oriented, proactive, and highly self-motivated; excellent English communication.

Desirable Experience with Oxford Nanopore sequencing, bioinformatics pipelines, and/or immunology-related assays.

What We Offer - 24-month, full-time appointment within a supportive, growing lab. - Structured training opportunities and short research visits to partner institutions. - Modern facilities and an open, collaborative research culture.

Salary & Start -â9,500 gross per month (approx. PLN ˜6,800 net, post-tax; estimate). -âdate: November 2025 (or later)

How to Apply Please email a single PDF to a.lukasiewicz@amu.edu.pl with the subject line: Postdoc Application - [Your Name]. Include: 1. CV (with scientific achievements) and list of publications; 2. Cover letter detailing your previous work and future research interests; 3. Contact information for two referees.

GDPR consent (required): “I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).”

Application review: Applications will be considered on a rolling basis until the position is filled (open competition).

Questions? Email a.lukasiewicz@amu.edu.pl.

Aleksandra Åukasiewicz, PhD Institute of Human Biology and Evolution Adam Mickiewicz University

Aleksandra Åukasiewicz <a.lukasiewicz@amu.edu.pl>

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ClemsonU SouthCarolina ComplexTraitEvolution

The Population Epigenomics Lab at Clemson University is seeking a postdoctoral researcher to conduct research at the intersection of population genetics and quantitative genetics. The project will involve developing models of complex trait evolution in human populations using forward genomic simulation approaches, specifically SLiM. These models will then be used to explore a range of potential topics depending on the specific candidate's interests and experience, including but not limited to: the impact of selection on polygenic traits; the importance of genetic drift in phenotypic divergence; the effect of population structure on genome-wide association studies.

The successful candidate will have significant flexibility in determining the specific direction of the project. In addition to their research duties, postdoctoral researchers are also expected to prepare manuscripts for publication, assist with grant writing, and mentor undergraduate and/or graduate students.

This position will be based on the main campus of Clemson University and offers a competitive salary commensurate with experience, along with a full benefits package and support for conference travel. Funding may support the position for two years or longer, depending on availability. The start date for this position is flexible but may be as early as November 2025.

About the Population Epigenomics Lab:

The lab is led by principal investigator Dr. Shyamalika Gopalan and is based in the Department of Genetics and Biochemistry and the Center for Human Genetics. Research in the lab seeks to understand how genetics and the environment jointly shape complex human phenotypes over short (i.e. within lifetime) and long (i.e. evolutionary) timescales. We use computational tools to analyze genetic and epigenetic data from diverse human populations, and related species, to address our research questions. Please visit the lab website for more information about our research and publications.

For more information about the Center for Human Genetics, please visit the website https://-scienceweb.clemson.edu/chg/ . For more information about Clemson, please visit the website http:/-/www.clemson.edu/ . Qualifications:

Applicants must have, or be projected to have, a PhD in genetics, evolutionary biology, or a related field by the start date. Additionally, the successful candidate will have excellent computational and programming skills, and a strong theoretical background in population or quantitative genetics. Prior experience using evolutionary simulation software such as SLiM and msprime is preferred, but not required.

Application Instructions:

For full consideration, applications should be submitted by September 22, 2025. Review will continue until the position is filled.

Applicants should submit the following items via Interfolio at https://apply.interfolio.com/171238 (1) A cover letter describing relevant experience, research interests, and future goals (2) A curriculum vitae (3) Contact information (telephone number and email address) for three professional references

For more information, please contact Shyamalika Gopalan at shyamag@clemson.edu.

Equal Employment Opportunity Statement Clemson University is an EEO/AA employer. Employment decisions are made without regard to characteristics protected by applicable law including disability and protected veteran status.

Shyamalika Gopalan Assistant Professor Center for Human Genetics Department of Genetics and Biochemistry Clemson University She / Her / Hers

Shyamalika Gopalan <shyamag@clemson.edu>

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IndianaU MachineLearningPopGenMethods

The department of Biology is a large, unified department with strong undergraduate degrees, nationally-ranked graduate programs, and world-class research spanning the breadth of biological questions and experimental systems from ecosystems to microbiology and developmental biology, from evolution to cell biology, from molecular biology to systems biology, bioinformatics, and genomics. It is always an exciting time for Biology enormous advances in global genome analysis coupled with unprecedented developments in interdisciplinary research have made the 21st century the Century of Biology. For more information about the department, you can find it here: https://biology.indiana.edu/about/-index.html . Indiana University is an equal opportunity employer and provider of ADA services and prohibits discrimination in hiring. See Indiana University Notice of Non-Discrimination here which includes contact information.

The Department of Biology at Indiana University Bloomington invites applications for a post-doctoral research position under the supervision of Dr. Chris Smith (https://chriscrsmith.github.io/). Our new lab in Evolution, Ecology, and Behavior investigates machine learning approaches for population genetics. Our research integrates custom neural architecture design, simulations, and publicly available genomic datasets to develop new inference methods. The Postdoctoral Associate will conduct research related to creating or testing deep learning models for genomics, exploring new techniques related to spatial simulations, or other topics discussed with the PI.

Core job duties include: (1) Designing, implementing, and overseeing research projects focused on methods development for understanding genetic variation within and between populations, (2) building computational pipelines for conducting simulation experiments and analyzing genomic sequencing data, (3) writing scientific publications and presenting findings at conferences.

Other general responsibilities include: Serving as a point person for lab computing infrastructure, and actively participating in lab meetings and discussions.

Education and experience required: Ph.D. in computational biology, bioinformatics, computer science, or a related field. Demonstrated experience leading computational research projects is required for the proposed research. Expertise in population or evolutionary genetics is preferred but not required.

Required skills:

- Experience with Python

- Experience with high performance computing clusters

- Development of reproducible analysis pipelines

- Strong time management and organizational skills

- Ability to work effectively as a team

- Excellent written and oral communication

- Dependability, initiative, and professionalism

Preferred skills:

- Experience with deep learning libraries (e.g., PyTorch, TensorFlow) and development.

Working conditions/demands: The role requires the ability to move about within an office environment.

To apply: Please submit (1) a cover letter describing your research and educational background, career goals, why you are interested in the position, and the date you are available to start; (2) a current CV; (3) the names and contact information for two references. This can be submitted at the following link: https://indiana.peopleadmin.com/postings/30325. For questions about the position contact Chris Smith (chriscs@iu.edu).

Timing and compensation: Review of applicants will begin Aug. 31 and continue until the position is filled. The ideal start is before or on Jan. 15, although the starting date can be adjusted to suit the candidate. The initial appointment is for one year, with reappointment for a second year contingent upon satisfactory performance. Salary will be commensurate with experience and full benefits are included.

“Smith, Chris C” <chriscs@iu.edu>

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JustusLiebegU Germany PDF PhD GastropodEvol

Post-Doc or PhD position

Founded in 1607, Justus Liebig University Giessen (JLU) is a research university rich in tradition. Inspired by curiosity about the unknown, we enable around 25,000 students and 5,800 employees to advance science for society. Join us in breaking new ground and writing success stories - your own and those of our university.

Support us from 1 st November 2025 in part-time (65 %) as a Research Associate (m/f/d) in the field of Proteomic Fingerprinting and Paleoproteomics

The position is part of the externally funded project "Establishment of a novel approach to trace Lake Tanganyika's gastropod faunal evolution" in the frame of the Priority Program "International Continental Deep-Drilling (ICDP)". It is to be filled on a fixed-term basis in accordance with ç 2 WissZeitVG and ç 72 HessHG with the opportunity for own academic qualification Department of Animal Ecology and Systematics at the Faculty of Biology and Chemistry. The salary is in accordance with the collective labour agreement of the State of Hessen E 13 TV-H). As long as the maximum permissible duration of a fixed-term contract is not exceeded, you will be employed for a period of 3 years.

Your tasks at a glance - Data generation and analysis based on existing sample material as part of a DFG-funded research project on the biodiversity and evolution of molluscs in Lake Tanganyika - Utilization of a new integrated analytical approach using proteomic fingerprinting, shell paleoproteomics, DNA barcoding and biodiversity modeling

Your qualifications and competences - Completed Master's or equivalent university degree in Biology - Knowledge of Matrix-Assisted Laser Desorption/Ionization Time-Of- Flight Mass Spectrometry (MALDI-TOF MS) - Good statistical knowledge, experience in using R or Phyton - Interest in evolutionary biology advantageous

Our offer to you - Work in an international, young and dynamic team - A varied job with flexible working hours - Free use of local public transport (LandesTicket Hessen) - More than 100 training seminars, workshops and e-learning opportunities per year for personal development, as well as a wide range of health and sports activities - Remuneration according to TV-H, company pension scheme, child allowance and special payments - Good compatibility of family and career (certificate "audit familiengerechte hochschule")

If you have any further questions, please do not hesitate to contact Prof. Christian Albrecht by phone (+49-641-9935722) or by e-mail (christian.albrecht@uni-giessen.de). JLU welcomes qualified applications regardless of biological and social gender, disability, nationality, ethnic and social origin, religion, ideology, age as well as sexual orientation and identity. The JLU aims for a higher proportion of women in accordance with the women's promotion plan. We therefore particularly encourage qualified female candidates to apply. JLU is certified as a family-friendly university. Applications from disabled people of equal aptitude will be given preference.

You want to break new ground with us? Apply via our online form at https://www.uni-giessen.de/de/ueber-uns/karriere/application by August 22nd, 2025, indicating reference number 411/08. We look forward to receiving your application.

"Albrecht, Christian" <christian.albrecht@allzool.bio.uni-giessen.de>

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LundU Sweden HybridGeneExpression

Post doc/researcher position focussed on the evolution of gene expression in hybrids at Lund University, Sweden

Application link: https://lu.varbi.com/en/what:job/-jobID:833332/ The position is part of the EU funded ERC project HybridExpress and focussed on addressing the role of gene expression in how novel variation can arise from hybridization. The specific questions that will be addressed will be developed in discussion with the recruited candidate and the team. There is already a unique transcriptomic data set sampled in common garden conditions from three independent lineages of the hybrid Italian sparrow Passer italiae and their parental species available. The researcher will work in the collaborative HybridExpress team consisting of a lab manager, a PhD-student and a post doc. The project is led by Associate Professor Anna Runemark, and set within the SPeciation, Adaptation and Co-Evolution lab in the Biodiversity and Evolution division. The position is for

one year but possibilities for extension can be discussed with the PI.

The department of biology at Lund University (ranked 72/95 by QS/THE) is a highly international environment with weekly seminars with invited international speakers. The Department also organizes a lot of social activities, including regular joint division breakfasts, a well visited Friday pub, floor hockey, board game nights etc.

Please email anna.runemark@biol.lu.se if you have any questions!

Anna Runemark <anna.runemark@biol.lu.se>

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Netherlands AvianMicrobiomes Reproduction

**** Postdoc position: avian microbiomes and reproduction ****

We are seeking a highy motivated postdoctoral researcher to join our team working on avian microbiomes and reproductioon at the Netherlands Institute of Ecology (NIOO-KNAW) in the group of Dr. Melissah Rowe. The postdoc will work on an ERC-funded project where the overarching aim is to understand the significance of reproductive microbiomes for host biology and fitness.

The position is available for up to 3.5 years (1 year initial contract with extension to 3.5 years upon satisfactory performance). Starting date is flexible, preferably between November 2025 - January 2026.

Review of applications will begin September 1, 2025. Final date for receiving applications is September 12, 2025. First round interviews are expected to take place in September.

** Project description ** All animals host microbial communities in and on their bodies, and recent studies have shown that variation in these microbiomes can have major impacts on their hosts, including effects on digestion, development, immunity, and behaviour. Indeed, microbiomes are emerging as fundamental modulators of host biology, fitness, and evolution. The study of host-associated microbiomes has, however, largely overlooked the microbial communities present in the reproductive systems of males and females (i.e., the reproductive microbiome). In this project, the postdoctoral researcher will study the impact of microbiome variation on host survival and reproduction, with a focus on the role of the reproductive microbiome, using novel microbiota manipulation techniques in an avian model system, the house sparrow. In addition, the postdoc is expected to contribute to the project development, suggest additional lines of complementary research using our system, and can join and contribute to other projects on avian microbiomes in the research group. As a postdoctoral researcher, you will lead this research. Your responsibilities will include:

* Setting up and running in vivo microbiota manipulations in nestling house sparrows; * Developing and evaluating additional microbiome disruption approaches; * Leading and conducting sample collection from house sparrows (nestlings and adults); * Contributing to laboratory analysis of samples; * Bioinformatic analysis of microbiome data; * Preparation of manuscripts and dissemination of research findings; * Assist with training other researchers, including PhD candidates, and supervising masters and bachelor student projects; * Contributing to the friendly and collaborative environment of the research group.

** What are we looking for ** Suitable candidates should have a PhD in evolutionary biology, evolutionary ecology, molecular biology or related field by the time of starting the position. You will bring:

* Experience in animal-microbiome research, documented by publications in peer-reviewed journals; * Skills in bioinformatics and statistical analysis of microbiome data; * Experience working with animals; * Meticulous working habits and strong organisational skills; * English communication skills, both written and spoken; * Creativity, motivation, and curiosity in order to contribute intellectually to the project development.

** More information ** For informal inquiries and more information, do not hesitate to contact: Melissah Rowe, m.rowe@nioo.knaw.nlInformation on the Netherlands Institute of Ecology (NIOO-KNAW) and the Department of Animal Ecology can be found at the website: http://www.nioo.knaw.nl/ (external link) < http://-www.nioo.knaw.nl/ >.

** Application procedure ** Your application (written in English) should include: (1) a one-page cover letter describing your motivation for the position; (2) a summary of your research expertise and interests (max 2-pages); (3) a detailed CV including information on your education, past research experience and activities, publications, and other relevant information; (4) contact information for at least 3 referees..

For further information and to apply please see:

https://nioo.knaw.nl/en/vacancies/postdoctoral-researcher-avian-microbiomes-and-reproduction "Rowe, Melissah" <M.Rowe@nioo.knaw.nl>

M.Rowe@nioo.knaw.nl

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NHM London MuseumInsectGenomics

Bioinformatician for a Museum Insect Pollinator Genomics Project at the Natural History Museum, London, UK.

Full details for this position at https://jobs.nhm.ac.uk/-Job/JobDetail?JobId=431 Job Summary The Natural History Museum has recently been awarded a grant by the UK Natural Environment Research Council for an exciting project to sequence and analyse population-scale genome datasets of a representative set of UK insect pollinators. We will use these data to better understand changes in diversity for this important group, and draws on our experience in leadership roles for the Darwin Tree of Life and Biodiversity Genomics Europe projects.

Based in the Life Sciences department, you will work with the project Lead Investigator Ian Barnes, co-Leads Gavin Broad and Ben Price, project co-ordinator Inez Januszczak, core technical staff, and a variety of stakeholders. The project will analyse DNA from modern and museum insect pollinator collections, to assess changes in diversity and selection in these species over the last 100 years. Through comparison with environmental and climate records, we hope to infer the drivers of these changes, and make recommendations to relevant stakeholder groups.

You will ensure we have robust and well-documented data analysis methods, which we can use to identify changes in the genomes of key UK insect pollinators. You will work with NHM colleagues and other project partners to ensure that our sampling strategy covers the full historical range of diversity in our chosen species, and to communicate your findings across the project and beyond.

Main Responsibilities - Develop and implement bioinformatics pipelines for processing and analysing whole-genome sequencing data from both historical and contemporary insect specimens. - Conduct population genomic and phylogenomic analyses, integrating ancient and degraded DNA datasets with modern genomic data. - Support collaboration between NHM and external project partners, including UKCEH, BBCT, and Natural England, to ensure alignment of bioinformatics analyses with conservation objectives. - Manage and analyse large-scale genomic datasets, applying best practices in quality control, variant calling, and genome assembly where relevant. - Integrate genomic and environmental data to assess historical shifts in genetic diversity and adaptation across UK insect pollinators. - Work closely with the project technician and coordinator to optimize workflows for sequencing, data processing, and metadata curation. - Develop and maintain standardized analytical workflows and reproducible scripts to support long-term pollinator genomic monitoring efforts. - Lead the writing of publications, data management plans, and Standard Operating Procedures (SOPs) to ensure best practices in bioinformatics are followed and documented. - Train and support project collaborators and PhD students in genomic data analysis and bioinformatics methodologies as needed. - Present findings at conferences and workshops, engaging with both academic and applied conservation audiences. - Ensure data management and analysis comply with NHM and UKRI policies, FAIR principles, and open science guidelines.

Person Specification The successful postholder will need the following skills and experience: - PhD in bioinformatics, evolutionary biology, genomics, or a related field, with a strong focus on computational analysis of genomic data. - Experience in whole-genome sequencing data analysis, particularly in handling degraded or historical DNA samples. - Proficiency in Unix/Linux environments, scripting languages (e.g., Python, R, Bash), and pipeline development using workflow managers. - Experience with population genomics methods (e.g., SNP calling, demographic inference, selection analysis) and working with large genomic datasets. - Strong skills in statistical analysis and visualization of genomic data. - Demonstrated ability to work independently while effectively collaborating within a multidisciplinary research team. - Excellent scientific communication skills, with a strong publication record in relevant fields, and a demonstrated ability to lead on bringing work to publication. - Prior experience engaging with stakeholders in conservation, museums, or ecological monitoring would be desirable. - Familiarity with pollinator ecology and conservation would be desirable.

Ian Barnes <I.Barnes@nhm.ac.uk>

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OregonStateU MobileGeneticElements

Postdoctoral Scholar Position: Molecular microbiology

Name of College/Department/School/Division: College of Agricultural Sciences - Department of Botany and Plant Pathology

Location: Oregon State University - Corvallis, Oregon

Open and close dates: August 18, 2025; Until filled (will begin reviewing applications immediately).

Summary: (1.0 FTE; 12-months) The Weisberg lab studies microbial evolution and the role of mobile genetic elements in plant-microbe interactions. The lab is seeking apostdoctoral scholar to study the molecular mechanisms restricting plasmid host range and to develop an approach to detect plasmid transfer in native and synthetic microbial communities associated with plants. (see: https://weisberglab.com/?page_id=966, https://doi.org/10.1098/rstb.2020.0466 and https://doi.org/10.1146/annurev-micro-032521-022006).

The position provides a competitive stipend and health insurance for up to three years, subject to satisfactory performance (https://gradschool.oregonstate.edu/postdocs).

Required Qualifications: 1. PhD in a life science/computational field. 2. Strong wet-lab experimental research experience. 3. Demonstrated productivity, capacity for independent research, and intellectual creativity. 4. Be eligible for postdoctoral scholar support at OSU (see https://gradschool.oregonstate.edu/postdocs/appointment-and-recruitment).

Preferred Qualifications: 1. Research experience in microbiology, microbe-microbe interactions, plant-microbe interactions, molecular biology, genetics, biochemistry, or cell biology. 2. Commitment to promoting a welcoming and inclusive environment. 3. Demonstrated leadership and effectiveness in working collaboratively. 4. Excellent oral and written communication skills. 5. Can start by September 2025; but start date is negotiable.

Application Process: Please provide a single PDF (include your surname and first initial in the file name) that includes a 1-page cover letter, CV, and names and contact information for three references. Applications and inquiries may be sent by email with subject line "PD scholar" to:

Alexandra Weisberg Department of Botany and Plant Pathology Oregon State University Corvallis, OR 97331 (541) 737-7003 weisbeal@oregonstate.edu

"Weisberg, Alexandra J" <Alexandra.Weisberg@oregonstate.edu>

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ParisSaclay France EvolutionaryGenomics

Postdoctoral Scholar Position: Mechanisms of reproductive isolation between crops and their wild relatives Location: Université Paris-Saclay Department: Quantitative Genetics and Evolution - Le Moulon (https://moulon.inrae.fr/en/) Open and close dates: August 2025 until filled (will begin reviewing applications immediately). Key words: Evolutionary genomics, Domestication, Speciation, Incompatibilities, Plant.

Plant domestication can be viewed as an early step in the divergence of independently evolving lineages, usually under strong selection at least in the cultivated pool. As a consequence, reproductive isolation between wild and domesticated crops can have already evolved, potentially leading to reproductive isolation (RI) that less fit hybrid offspring when crossed, and at the genome level by the occurrence of genomic regions that act as barriers reducing local gene flow in comparison to the rest of the genome [1]. The ANR-funded DomIsol project aims at characterizing the genomic and phenotypic divergence between crop species and their wild relatives, and inferring the extent of reproductive isolation in 14 species.

In the framework of this project, we have developed RIDGE [2], a method that aims at detecting genomic regions potentially involved in reproductive isolation (barrier loci) and involves identifying outlier loci with specific signatures. RIDGE utilizes an Approximate Bayesian Computation model-averaging approach based on random forest to accommodate diverse scenarios of lineage divergence. Although RIDGE has been successfully applied to outcrossing crow species with a divergence dating back to 80,000 generations, the question of its application to selfing species and/or more recent diverging lineages remains open. Furthermore, we poorly understand the impact of considering linked selection through modeling heterogeneous effective pop-

ulation size along the genome. In theory, this should allow us to distinguish between barrier loci and selected loci within populations (such as those involved in local adaptation, for example), but we aim to test this more rigorously and across a variety of demographic scenarios using simulations. In addition, we would like to apply RIDGE in the genus Zea, that encompasses the domestic maize but also several teosinte species with increased divergence from maize. Other perspectives concern the detection of long-distance LD across the barrier loci detected, and segregation distortions in the offspring of F2 segregating populations, or the comparative analyses of the genomic of reproductive isolation in 14 wild/domesticated systems available in the lab.

We are therefore seeking a highly motivated postdoc candidate with a PhD in evolutionary genomics and strong skills in population genetics, bioinformatic (simulation tools) and biostatistic analyzes (R programming, versioning, management of large datasets and data visualization). The postdoc will be in charge of carrying population genomic analyses, conducting simulations using both RIDGE and SLIM, and of exploring other aspects depending on his/her interest. Working environment, starting date

The project will be carried out at the Génétique Quantitative & Evolution (GQE-Le Moulon) lab within the IDEEV institute at Paris-Saclay University. The postdoc will be co-supervised by S. Glémin (ECOBIO, Rennes), benefiting from the expertise and pipelines of both research teams, as well as from close collaborations with the other DomIsol partners: Catherine Dogimont (GAFL) and Yves Vigouroux (IRD).

The starting date could be as soon as October 1st, 2025, and the initial contract is for 12 months with one- or two-years renewal. The gross annual salary is euro 53,000/year (Full time - 40h/w) including medical benefits, which amounts to approximately euro 29,000 net after social contributions.

Please send your CV, the names and contact information of two references as well as a letter of interest in a single pdf file to: Maud Tenaillon: maud.tenaillon@inrae.fr GQE-Le Moulon,

https://moulon.inrae.fr/en/equipes/gevad/ References [1] Tenaillon M.I., Burban E., Huynh S., Wojcik A., Thuillet A-C, Manicacci D., Gérard P. R., Alix K., Belcram H., Cornille A., Brault M., Stevens R., Lagnel J., Dogimont C., Vigouroux Y., Glémin S. 2023. Crop domestication as a step toward reproductive isolation. American Journal of Botany. doi: 10.1002/ajb2.16173.

[2] Burban E., Tenaillon M.I., Glémin S. 2024. RIDGE, a tool tailored to detect gene flow barriers across species pairs. Molecular Ecology Resources doi: 10.1111/1755-0998.13944.

mtenaillon <maud.tenaillon@inrae.fr>

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PurdueU ForestPopulationGenomics

A postdoctoral associate position is available in the Dept. of Forestry & Natural Resources at Purdue University. The position will be jointly supervised by Drs. Matt Ginzel (Purdue) and Vikram Chhatre (USDA Forest Service) and will be based at the Hardwood Tree Improvement and Regeneration Center (HTIRC.ORG) in West Lafayette, Indiana. The postdoc will actively work with project personnel from USDA Forest Service, University of Kentucky, Penn State University, Purdue University as well as with key stakeholders from the National Forest System and state level entities.

The postdoc will generate large genome-scale datasets with a variety of techniques such as Genotyping by Sequencing (GBS), Whole Genome Sequencing (WGS) and targeted genotyping chips (e.g. MassArray) and analyze them together with environmental data using population genetics and machine learning tools. The project involves both hardwood and coniferous species such as white oak, black walnut and shortleaf pine. The postdoc's work, which will include field work, laboratory and data analysis components, will shed light on adaptability of individual populations of the study species to climates projected for 2070 and beyond and will aid in the development of climate-smart seed sourcing strategies for the eastern US. Multiple peer-reviewed publications are expected to result from this work, to be developed in tandem with key project personnel and collaborators. Travel funding is available to present research at prominent national and regional meetings.

The Dept. of Forestry & Natural Resources at Purdue provides an intellectually invigorating environment with faculty that hold expertise in subjects as varied as digital forestry, genetics, ecology, remote sensing, data science, entomology, wildlife and economics. The postdoc will have opportunities to interact and collaborate with other postdocs and graduate students working on cutting edge science in the aforementioned areas and to develop novel research.

This is a term limited position that is currently funded

for 12 months with potential to renew for an additional six months (total 18 months). Renewal is not automatic and is contingent upon satisfactory progress and submission of at least one peer-reviewed publication before the end of the initial 1 year period.

Required Qualifications: - A PhD in genetics, evolution, ecology, biology, or allied areas that will have been awarded prior to beginning this position. - Highly motivated with a strong work ethic and ability to work independently as well as in close collaborations. - Demonstrated experience in working with large, genome-scale datasets and in publishing peer-reviewed studies based on those. - Proficiency in using R for statistical analysis and in statistical modeling. - Sound working knowledge of unix shell, high performance compute clusters and git. - Willingness to learn and use a scripting language (e.g. Python) for data analysis and graphics. - Excellent data organization skills

Preferred Qualifications: - Knowledge of and experience working with forest trees to answer contemporary questions in ecological genetics, evolution and adaptation to climate. - An understanding of and experience working with common gardens and provenance trials. - Knowledge of forest ecosystems in the eastern United States.

Please submit a cover letter describing your interest and motivation in applying for this position along with an official application through Purdue University Careers (Job ID# 37408). The position will remain open until a suitable candidate is identified and recruited. Purdue University offers generous benefits and perks including paid time off, details of which can be found on the human resources web pages. For questions and further information, please contact Vikram Chhatre (vikram.chhatre@usda.gov) or Matt Ginzel (mginzel@purdue.edu).

Vikram Chhatre Research Geneticist USDA Forest Service NRS-14 Purdue University West Lafayette, IN 47907 vikram.chhatre@usda.gov

vc@popgen.org

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SmithsonianInst EvolBiology

Dear Colleagues,

Please find below an announcement for the Smithsonian Institution's graduate student and postdoctoral fellowship programs. At the National Museum of Natural History's (NMNH) Department of Invertebrate Zoology < https://naturalhistory.si.edu/research/invertebrate-zoology > we are now accepting applications for Smithsonian Institution Fellowship Program < https://fellowships.si.edu/SIFP > (graduate students and postdocs), Peter Buck < https://fellowships.si.edu/opportunity/peter-buck-postdoctoral-fellowship-program > (postdocs, same application as SIFP), Biodiversity Genomics < https://fellowships.si.edu/opportunity/smithsonian-biodiversity-genomics-postdoctoral-fellowship-program-biog > (postdoc), Robert D. Hevey, Jr and Constance M. Filling < https://fellowships.si.edu/opportunity/robert-d-hevey-jr-and-constance-m-filling-fellowship-invertebrate-zoology > (graduate students) and George Burch Theoretical Medicine and Affiliated Theoretical Science < https://fellowships.si.edu/opportunity/george-burch-fellowship-theoretical-medicine-and-affiliated-theoretical-science > (postdoc) Fellowships.

Please direct general inquiries to NMNH_ARC@si.edu or project specific inquiries to the IZ curator < https://naturalhistory.si.edu/research/invertebrate-zoology > you propose working with. Interdisciplinary applications that draw from expertise and collections in more than one NMNH department are welcome. Projects that have a strong research question and make us of unique NMNH resources (e.g. IZ collections < https://collections.nmnh.si.edu/search/iz/ >) will be most competitive.

"Osborn, Karen" <OsbornK@si.edu>

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StanfordU SeagrassMicrobeInteractions

The Daru lab at Stanford University is starting a new project to understand how climate change disrupts seagrassï¿½"microbe associations along the California Pacific coast. This work aims to understand the impacts of warming oceans and other environmental stressors on seagrass health. We will use herbarium specimens (historical preserved seagrass samples) with new field collections across field sites spanning the coastline of California, combined with next-generation sequencing of microbial DNA. Ultimately, the project will track changes in seagrass microbiomes over time and space to understand whether beneficial microbes help seagrasses adapt to environmental change or whether shifting microbial communities contribute to seagrass decline. Seagrass meadows are important for carbon sequestration ("blue carbon") and nursery grounds for marine life. However, their survival in a rapidly changing ocean may depend on unseen allies: the bacteria and fungi that live within seagrass roots and leaves. Your research will help shed light on these hidden interactions to inform how we might safeguard or restore coastal ecosystems under threat.

Apply here: https://forms.gle/osDT5fYWzh6XczfDA Barnabas Daru Assistant Professor of Biology Stanford University Email: bdaru@stanford.edu Lab website: darulab.org

Barnabas Daru <bdaru@stanford.edu>

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SUNY Syracuse ComparativeImmunology

Title:Postdoctoral Associate in Comparative Immunology Duration:1 year with potential reappointment for up to 2 additional years Location:SUNY College of Environmental Science and Forestry (ESF), Syracuse, NY Salary:$59,000 annually, plus benefits (https://-benefits.rfsuny.org/regular–postdoctoral-employees/)

Position Description The laboratory of Dr. Cynthia Downs (https://www.esf.edu/faculty/downs/index.php) at ESF seeks a Postdoctoral Associate to conduct comparative immunology research on an NSF-funded project in collaboration with Dr. Andreas Koenig(SUNY Upstate Medical University) and Dr. Jessica Brinkworth (University of Illinois Urbana-Champaign). The successful candidate will join an interdisciplinary team investigating neutrophil function across mammalian species. Projects will quantify neutrophil antibacterial functions and cellular energetics during ex vivo immune challenges to test hypotheses about how body mass shapes investment in immune defenses.

Primary Responsibilities (include, but are not limited to):

Isolate neutrophils from whole blood and perform assays of antibacterial function. Quantify neutrophil cellular bioenergetics(e.g., metabolic flux/energetics assays). Profile signaling pathways during immune challenge using comparative transcriptomic approaches. Manage data, analyze results, and contribute to manuscript preparation. Mentor and supervise student(s) and/or technician(s). Contribute to theory-driven work within the group and develop grant proposals aligned with the project. Travel to animal care facilities for laboratory work (funded trips up to ~2 weeks each; ~5 trips in year one). Depending on prior experience, complete up to three months of training at UIUC.

Required Qualifications

PhD (by start date) in immunology, microbiology, integrative organismal biology, or a closely related field. Hands-on experience with immunological and/or molecular techniques. Willingness to travel for training and sample collection and to work as part of a multidisciplinary team. Strong motivation, independence, and collaborative mindset.

Preferred Qualifications

Proficiency with aseptic technique, cell isolation from whole blood, and cell culture. Experience culturing microorganisms(including intracellular infection protocols) in and outside eukaryotic cells. Expertise with metabolic/energetic assays, metabolomics, or both. Experience with transcriptomics(wet lab and/or analytical workflows). Comfort with large datasets, Linux environments, and proficiency in R; experience with comparative analyses a plus. Familiarity with comparative evolutionary methods and allometric scaling theory, or a demonstrated willingness to learn. Record of research productivity (e.g., publications, preprints, conference presentations).

Application Procedure Email a single PDF con-

taining (1) cover letter, (2) CV, and (3) contact information for three references to Dr. Cynthia Downs at cjdowns@esf.edu. Please use the subject line "Postdoc Application - Comparative Immunology- [Your Last Name]"and name the file LastName_FirstName_Postdoc.pdf.

Timeline Applications will be reviewed beginning August 18, 2025, and will be accepted until the position is filled. A preferred start date is mid-September 2025(negotiable).

Equal Employment Opportunity ESF is an AA/EOE committed to fostering a diverse and inclusive community.

"Brinkworth, Jessica F" <jfbrinkw@illinois.edu>

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UBern DogViromics

Viromics of free-roaming dogs

PostDoc position, 3 years, full time

University of Bern, Institute of Ecology and Evolution PI: Gerald Heckel

A PostDoc position is available for research on the diversity, evolution and ecology of virus populations in free-roaming dogs in Africa and Asia. This position is part of an interdisciplinary project funded by the Swiss National Science Foundation (SNSF) determining the role of free-roaming dogs in the spread and persistence of infectious disease. The project combines experts from veterinary and social sciences, epidemiology, mathematical modelling and population genetics to test effects of landscape, infrastructure and human-dog relationships for disease transmission. A PhD student works in parallel on the population genomics of dogs, and doctoral and postdoctoral researchers from the other disciplines will collaborate. The overarching goal of the project is to formulate effective and socially accepted control strategies to reduce infection and disease burden in dogs and humans.

A very skilled, reliable and highly-motivated researcher is needed who is able to work with a diverse team of local and international collaborators and independently. You must have a solid background in evolutionary biology, and practical experience with the assessment of virome diversity based on NGS, bioinformatics, population genetics and/or evolutionary genomics. A PhD in a relevant field is required. Experience with laboratory work for viromics (RNA/DNA genomics, metabarcoding, shotgun, targeted enrichment) is essential. Participation in fieldwork in Uganda, Chad and Indonesia is not required. Most of your time will be devoted to the production and analysis of genomic datasets, and the preparation of presentations and manuscripts. A key role in the publication of manuscripts in leading scientific journals is expected. Involvement in student mentoring and light teaching is possible.

The position is funded for up to three years with an earliest starting date in December 2025. The group is part of the Institute of Ecology and Evolution with a stimulating, multi-national research community and excellent infrastructure. English is the work language. Some knowledge of German or French is beneficial for living in Switzerland but it is not necessary for the project. Informal inquiries can be addressed to Prof. Dr. Gerald Heckel gerald.heckel@unibe.ch

To be considered, your application must be sent as a single (!!!) pdf file to Jolanda Paganoni jolanda.paganoni4@unibe.ch

The pdf must include a description of your motivation for this project and which particular skills and research experience make you a great candidate (maximum 2 pages), a CV with publication list and contact details of 2-3 reference persons. Review of applications will start immediately.

Prof. Dr. Gerald Heckel Institute of Ecology and Evolution University of Bern Baltzerstrasse 6 CH-3012 Bern, Switzerland Tel: +41 31 684 30 29

Email: gerald.heckel@unibe.ch http://-www.cmpg.iee.unibe.ch

"gerald.heckel@unibe.ch" <gerald.heckel@unibe.ch>

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UBuffalo EvolutionaryGenomics

Postdoctoral Research Opportunity: Lipid Biology, Cell Death, and Evolutionary Genomics

We are seeking a highly motivated Postdoctoral Research Associate to join our collaborative research program at the intersection of lipid biology, cell death, and evolutionary genomics. The project, primarily led by the

Atilla Laboratory, investigates how lipid signaling and membrane dynamics regulate necroptotic cell death and its inflammatory consequences, using state-of-the-art approaches in lipidomics, chemical biology, and advanced imaging.

The postdoctoral researcher will collaborate closely with the Gokcumen Laboratory, which focuses on evolutionary and bioinformatics approaches, to explore how lipid-related genes and necroptotic pathways have evolved across species.

This integrative research program offers a unique opportunity to lead innovative projects that bridge mechanistic cell biology with evolutionary insight, linking genomic variation to specific, lipid-related biological traits.

The ideal candidate will have a background in cell biology, lipidomics, evolutionary genomics, or bioinformatics. More importantly, we are seeking an individual with a strong interest in learning and integrating across these disciplines. This is an excellent opportunity to expand computational skillset and engage in truly interdisciplinary science.

Interested applicants should reach out to:

* Dr. Ekin Atilla-Gokcumen: ekinatil@buffalo.edu - https://atillalab.org/ * Dr. Omer Gokcumen: gokcumen@gmail.com - https://gokcumenlab.org/ Charikleia Karageorgiou, Ph.D. PostDoctoral Fellow Buffalo Evolutionary and Anthropological Genomics Lab (BEAGL) Department of Biological Sciences University at Buffalo, SUNY

Charikleia Karageorgiou <charikle@buffalo.edu>

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UCalifornia Davis EvoDevo CellTypeEvolution

Postdoctoral Position in Developmental and Evolutionary Genetics University of California - Davis

A postdoctoral position is available in Artyom Kopp's lab in the Department of Evolution and Ecology, University of California - Davis, USA.— The project will focus on using single-cell sequencing to study the evolution of cell types and developmental pathways, with a particular emphasis on evolutionary innovations.

Our lab studies evolutionary novelties, sexual dimorphism, and the evolution of genetic regulatory circuits in Drosophila. We use a wide range of approaches including developmental biology, comparative genomics, phylogenetics, and quantitative/population genetics.— Over time, postdocs will be encouraged to develop new research directions reflecting their own interests, within the broad field of developmental and evolutionary genetics.

Candidates should have demonstrated expertise in genomics, developmental biology, or evolutionary genetics.— Previous experience in the analysis of single-cell and other complex genomic datasets is especially welcome.— The Department of Evolution and Ecology provides a friendly and supportive atmosphere and many opportunities for collaboration.— If interested, please contact Artyom Kopp (akopp@ucdavis.edu) with a CV, a statement of research interests and experience, and the names of three references.

Artyom Kopp Professor and Chair Department of Evolution and Ecology University of California - Davis One Shields Ave Davis CA 95616 office (530) 752-8657 lab (530) 752-8328 fax (530) 752-9014 akopp@ucdavis.edu http://kopplab.ucdavis.edu/ Artyom Kopp <akopp@ucdavis.edu>

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UCaliforniaLosAngeles ConservationScience

The 2026 UCLA La Kretz Center Postdoctoral Fellowship in California Conservation Science

The UCLA La Kretz Center for California Conservation Science invites applications for its 2026 Postdoctoral Fellowship in California Conservation Science. We seek to hire one or more postdoctoral scholars who conduct innovative biological research at the interface of applied and basic science. Our long-term goal is to help fund a cadre of innovative young scientists who will work closely with UCLA faculty, help broaden the mission of conservation science for the campus, and lead to long-term collaborations between our academic scientists and applied conservation practitioners that will direct and lead California conservation efforts.

Candidates may work in any discipline that provides the scientific underpinnings for the preservation, protection, management, or restoration of at-risk species, environments, or ecological communities in California. Current and past La Kretz Postdocs have worked on a wide variety of research topics, ranging from urban biodiversity and evolutionary adaptation, to wildfire management and conservation, to the interface of conservation and animal behavior; we are open to work in any California ecosystem or group of organisms, as long as the research is innovative, creative, and has clear practical significance. An important initiative, the California Conservation Genomics Project (CCGP), is a large, multi-campus initiative led by the La Kretz Center that is delivering genomic resources to California decision-makers to enhance species and habitat management, and candidates may seek to build off of that project in the realm of conservation genomics. For a full description of past fellows and their work, please visit us at https://www.ioes.ucla.edu/lakretz/ Fellows must have both an on-campus UCLA mentor, and an off-campus, non-university mentor. The on-campus UCLA mentor must also be a La Kretz Center affiliate. A list of applicable affiliates is available at https://www.ioes.ucla.edu/-lakretz/people/ . The Fellow is expected to work closely with their identified UCLA mentor and one or more off-campus agency partner(s) in developing their project. All applications should include a letter (which may be brief) from each mentor stating their support for the project, what they can contribute to it, and how it fits into their work in conservation biology. Applications that do not include these letters of support will be considered incomplete and ineligible for consideration, and we strongly advise candidates to secure mentor support as early as possible. While we encourage project proponents to identify co-funding, from mentors or other agencies, co-funding is not a requirement. Off-campus mentors may be drawn from any California agency or NGO, including federal and state groups. A partial list of some of our active partners and contact people includes:

The Nature Conservancy: Sophie Parker (restoration; urban conservation; invasive species)

Note: TNC has been a particularly active partner and cofunder in recent years, and we encourage applicants working with TNC mentors to consult : https:/-/tnc.box.com/s/uetrddu6sncp3nipgn8a1hh6fi3jisgi LA Natural History Museum: Jann Vendetti (mollusk ecology and evolution; species natural history)

US Geological Survey: Robert Fisher (applied conservation; biodiversity; ecology and evolution)

US Geological Survey: Damian Higgins (research manager, western ecological research center)

US Bureau of Land Management: Mike Westphal (applied conservation, climate change)

US Fish and Wildlife Service: Cat Darst (endangered species management)

Natural Communities Coalition: James Sulentich/Danny L. Fry (protection/recovery of sensitive species)

National Park Service: Katy Delaney (amphibian and avian ecology, evolution, and conservation)

National Park Service: Seth Riley (mammalian ecology, evolution, and conservation)

The La Kretz Fellowship is for two years, subject to review after the first year. The target start date is September 2026, but this date is quite flexible. The position offers a competitive salary, full benefits, and a research/travel allowance of $7500. Candidates who have recently completed their Ph.D. or will have completed it before their start date are encouraged to apply.

To apply, please send applications to lakretz@ioes.ucla.edu as a single PDF file that includes:

(i) Cover Letter: Briefly introducing yourself and your project

(ii) CV: Composed of your work and accomplishments.

(iii) Research and Management Accomplishments State-

ment (maximum one page)

(iv) Project Proposal: Lays out, in some detail, your project (e.g., motivation, methods, expected outcomes/results), why this work is important to academic and applied audiences, and how it integrates

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UCBerkeley Genomics

Postdoc:UCBerkeley.Genomics

Postdoctoral position(s) in computational biology and genomics

Keywords: Genomics; aging; somatic mutation; structural variation; long read sequencing; primate evolution; human disease; computational biology; cancer

The Sudmant lab studies genetic and molecular phenotypic diversity at both the organismal and cellular level. We study the evolution, causes, and consequences of aging as well as the evolution of genome structure and cellular diversity. We are seeking a postdoc to research somatic mutation, aging, evolution, and diversity across primate species.

The Sudmant lab at UC Berkeley is seeking a postdoc to work on a fully funded NIH project to understand differences in DNA repair and somatic mutation across the primate tree of life. Primates exhibit a 10-fold range in lifespan and ~1000-fold variation in body size that has evolved over the past ~70 million years. Understanding how mutation rates, spectra, and dynamics have evolved in both somatic and germ-line cells to facilitate this phenotypic variation is a key question with important implications for human health and disease. This NIH-funded project will employ state-of-the art sequencing methods to profile somatic mutations across different primate species. There is a particular focus on structural variation and employing long-read sequencing methods. This project is in collaboration with Alex Cagan (Sanger / Cambridge) and Raheleh Rahbari (Sanger).

The position is fully funded (initial 24-month appointment, extendable) with a competitive salary scale. Our lab philosophy is firmly based on the premise that science should be fun, inclusive, collaborative, and open.

The ideal candidate will have strong computational and genetics experience. Our lab philosophy is firmly based on the premise that science should be fun, inclusive, collaborative, and open.

Required qualifications: Ph.D. or equivalent in genetics, genomics, biology, computer science or related fields and demonstrated record of productivity and publications. Experience with either generating or analyzing large-scale genomic data.

Peter Sudmant Associate Professor Department of Integrative Biology University of California, Berkeley

Peter Sudmant <psudmant@berkeley.edu>

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UGraz BehavEcol BroodParasitism

A full-time postdoc position is available in the Group of Molecular Ecology at the Institute of Biology of the University of Graz, Austria. The position is available for 24 month starting January - February 2026. PI is Dr. Holger Zimmermann, in the lab of Prof. Kristina Sefc (https://biologie.uni-graz.at/en/institute-of-biology/-our-research/ag-molecular-ecology-kristina-sefc/).

We are looking for a highly motivated behavioural ecologist interested in reproductive behaviour and physiology to work on a project investigating the adaptations to brood parasitism in the Lake Tanganyika cuckoo catfish. The cuckoo catfish is the only verified non-avian obligate brood parasite among vertebrates and exploits several species of maternal mouthbrooders in Lake Tanganyika for its reproduction. The project is particularly interested in the adaptations in colour and surface structure of cuckoo catfish eggs (project DOI: https//doi.org/10.55776/PAT1680024) and includes extended field work at Lake Tanganyika, Zambia, as well as lab-based experiments and analytical work.

Ideal candidates have experience in colour pigment biology (especially carotenoids), skills in microscopy (including TEM & REM), and are experienced in experimental work both in the lab and in the field. A basic SCUBA licence (allowing dives down to 20m) is a must to conduct the field work. Candidates should have experience in conducting field work independently, have a good

foundation in data curation and analysis, and excellent writing skills. The research team is based at the Institute of Biology at the University of Graz, Austria (https://-biologie.uni-graz.at/en/institute-of-biology/). Graz is a beautiful mid-sized city in the south-east of Austria, which offers high standard yet affordable living, and offers lots of possibilities for outdoor and cultural activities.

To apply, please email a cover letter, summarising your relevant experience, and your CV (including a list of publications) to holger.zimmermann@uni-graz.at. Applications are welcome from now on until November 15th, 2025. The starting date for the position is between January 1st and February 1st, 2026. Gross salary (before tax) is approx. 4,500 EUR per month.

If you have any questions or would like to have more information about the project, please contact me (holger.zimmermann@uni-graz.at).

"Zimmermann, Holger (holger.zimmermann@uni-graz.at)" <holger.zimmermann@uni-graz.at>

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UJagiellonianCracow QuiescentCellVariability

Postdoc Position in Quiescent cell Variability

We invite applications for a postdoc position within the project "The influence of ecological factors on the quiescent state: from the characteristics of individual eukaryotic cells to population dynamics", funded by the Polish National Science Centre (NCN) OPUS grant.

About the Project Background information:— Quiescence (Q) is a fundamental survival state in eukaryotic cells, allowing organisms to persist under starvation conditions. The project aims to explore the cellular and molecular mechanisms underlying quiescent state variability and its impact on adaptation, antifungal resistance, and population dynamics. The project investigates how individual quiescent cells reorganize their internal structures and how these changes influence population-level survival, stress tolerance, and adaptation. Main questions are:— What structural and metabolic changes occur in single quiescent cells over time, and how do they impact survival and regrowth? How do different quiescent phenotypes respond to antifungal treatments, and what are the mechanisms of resistance? How does population density affect quiescence-related survival strategies, and how the Allee Effect influence quiescent cell fitness? What evolutionary trade-offs exist between quiescence depth, regrowth potential, and stress resistance?

About the Position The Postdoctoral researcher will focus on developing and applying advanced microscopy, microfluidics, and single-cell analysis techniques to investigate quiescence at both individual and population levels.

The candidate will: - — Characterize cytoskeletal, mitochondrial, and metabolic changes in quiescent cells. - Conduct live-cell imaging experiments to monitor quiescent cell aging and reactivation dynamics. - Investigate antifungal resistance mechanisms in quiescent yeast populations. - Collaborate with international partners to integrate advanced imaging and microfluidic technologies into the research workflow. - Contribute to mathematical modelling efforts linking single-cell characteristics to population-level dynamics.

Host Institution & Location The PhD student will be based at the Institute of Environmental Sciences, Faculty of Biology of the Jagiellonian University in Kraków, Poland - one of the leading research institutes in Ecology and Evolution in Central Europe (www.eko.uj.edu.pl/-en_GB). Kraków is a vibrant city with a rich cultural scene (European City of Culture 2000), hosting over 100 festivals and numerous cultural events annually. The city offers modern museums, theaters, cinemas, restaurants, and excellent access to outdoor activities such as hiking and biking. It is also well-connected to other European cities.

Founding & Salary The position is for 4 years (after successful probation) and the salary is 140k PLN/year before tax. To estimate living costs in Kraków, applicants can use tools such as Numbeo (www.numbeo.com).

Requirements The successful candidate will have a Ph.D. in a relevant field by June 2025 (or obtained no more than 7 years ago, possible extension due to e.g. parental leave).

We are looking for candidates with: - Possess experience in fluorescence microscopy, image analysis, and/or preferably microfluidic single-cell analysis and techniques. - Be familiar with yeast biology - Proficiency in image analysis - Have strong analytical skills and the ability to work independently while coordinating with a multidisciplinary team - Fluency in English (written and spoken), good communication and organisational skills - Be willing to collaborate with international research groups and conduct short research stays abroad.

- Track record of scientific publications in peer-reviewed journals. - Willingness to mentor PhD and Master's students in the lab.

Deadline & Selection Process If interested, please send a cover letter explaining your background, skills, and interest in the project, CV, and contact information of two academics willing to provide references to dr hab. Dominika WÂ³och-Salamon, Prof. UJ (dominika.wloch-salamon@uj.edu.pl).

Review of applications is ongoing; apply by 5th September, 2025 to ensure full consideration. The start date of the position is 01.11.2025 (but may be negotiable!).

We look forward to receiving your application!

dr hab. Dominika WÂ³och-Salamon prof. UJ Instytut Nauk o Ârodowisku/ Institute of Environmental Sciences WydziaÂ³ Biologii/Faculty of Biology Uniwersytet Jagiellońnski/Jagiellonian University + 48 12 664-51-35 ul. Gronostajowa 7; 30-387 Kraków ORCID: 0000-0002-0040-1838

"Always in motion is the future." Yoda

I may write email during weekends or outside work hours. In such case, do not feel obliged to reply immediately, and get back to me whenever it is convenient for you.

— / —

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

UOsnabrueck ModellingMicrobialInteractions

The Department of Ecology at the School of Biology/Chemistry at Osnabrueck University is inviting applications for the position of a Research Assistant (m/f/d) in the field of Theoretical Ecology and Evolution or Computational Biology (salary grade 13 TV-L, 100%) to commence on January 1, 2026. The position will initially be filled for three years. In case of a positive evaluation, the position can be extended for an additional three years.

The group's work focuses on questions in the field of microbial ecology and evolution and mainly uses experimental approaches. Current research interests are: i) Evolution and maintenance of metabolic cooperation, ii) Stability and dynamics of ecological interactions, iii) Dynamics and stability of ecological interaction networks, iv) Bacterial multicellularity and individuality, and v) Synergistic coevolution.

We are looking for a colleague with experience in the field of theoretical biology to complement and actively support the research of the working group. In addition, there is the opportunity to work on your own research topics and establish a junior research group.

Your duties:

- Support ongoing research projects by developing computer models and performing computer-based analyses

- Help with the planning of experiments and the statistical analysis of the data sets obtained

- Research in the field of theoretical ecology and evolution

- Possible methods include e.g.:

– Individual-based modeling

– Modeling with differential equations

– Modeling of metabolic networks and interaction networks

– Deep learning and artificial intelligence

- Acquisition of third-party funding

- Supervision of scientific projects of students (Bachelor's and Master's level as well as doctoral students)

- Planning and implementation of teaching courses in the field of theoretical ecology and evolution

Recruitment requirements:

- Doctorate and an above-average academic degree in the field of biology, physics, (bio-) computer science, or related subjects

- Research focus that meaningfully complements the work of the working group

- Ability to conduct independent scientific research

- Excellent proficiency in the field of mathematical modeling

- Solid knowledge of statistical analysis methods

- Very good command of written and spoken English

Additional Qualifications:

*- *Sound knowledge of concepts and theories in ecology and evolutionary biology

- Practical experience in working with experimental scientists

- Ability to work in an interdisciplinary and international

team

- Experience in acquiring third-party funding

- Experience in teaching and supervising students

- Structured and independent way of working

- High sense of responsibility, reliability, and personal commitment

We offer:

- Exciting research in a highly topical field

- Interdisciplinary and international research environment

- Opportunity to develop own research interests and establish a junior research group

- Possibility of habilitation

- Collaboration with members of the ecology department

- Flexible working time models to balance private and professional life

- Sports and health facilities

- Extensive opportunities for further training

- Living and working in the very vibrant and liveable city of Osnabrück

- The position is available on a full-time or part-time basis.

Osnabrueck University is a family-friendly university and is committed to helping working/studying parents to balance their family and working lives.

Osnabrueck University seeks to guarantee equality of opportunity for women and men and strives to correct any gender imbalance in its schools and departments.

If two candidates are equally qualified, preference will be given to the candidate with disability status.

Please submit your application (motivation letter, CV, transcripts of academic degrees (Bachelor/Master/PhD), transcripts of records, and the contact details of potential references) by email as a single PDF file to the Dean of the School of Biology/Chemistry (email: bewerb-bio@uni-osnabrueck.de) no later than *September 11, 2025*. Please state the reference number 'Ã2025' in the subject of your email

For questions regarding this job advertisement, please contact Prof. Dr. Christian Kost (email: christian.kost@uni-osnabrueck.de). Further information about the working group can be found at: kostlab.com

We look forward to receiving your application.

Christian Kost <christiankost@gmail.com>

URochester NY Phylogenomics

The Hibbins Lab at the University of Rochester (Department of Biology) invites applications for a postdoctoral researcher in Phylogenomics.

Our new group at the University of Rochester seeks to develop theoretical and computational approaches that leverage genome-scale datasets to better understand macroevolutionary processes such as speciation, trait diversification, and genome evolution. The successful candidate may develop a variety of projects depending on their background and interest, including (but not limited to) the development of new methods for inferring hybridization and introgression, new phylogenetic comparative methods, or empirical phylogenomic studies on the drivers of sex chromosome and/or karyotype evolution, or the genetic basis of convergent evolution. More details about the lab's research directions can be found on our website:

https://mhibbins.github.io/research/ The Department of Biology has particular research strengths in evolutionary genetics and proximity to a world-class medical center, allowing ample opportunities for potential collaborations. More info about the Department can be found here:

https://www.sas.rochester.edu/bio/ The ideal candidate for this position will have research experience in phylogenetics, experience with "omics" (whole-genome sequencing, RNA-Seq, etc.) datasets, strong computational skills (R/Python, Bash, HPC and Linux environments, research software development), familiarity with mathematical modelling and/or statistical inference, and a track record of publications in peer-reviewed journals. We are seeking a highly motivated candidate who is excited at the prospect of joining a new lab and helping to shape the future research directions of our group.

Funding for this position is available for two years out of the PI's startup funds at the NIH standard. Start date is flexible but ideally no later than the Fall of 2026. The position will remain open until filled. If you're interested, please contact Mark Hibbins at mark.hibbins@rochester.eduwith your CV and a brief statement of your interest and research experience.

Mark Hibbins

Assistant Professor, Department of Biology

University of Rochester

Rochester, NY, 14642

585-275-8107

mark.hibbins@rochester.edu

“Hibbins, Mark” <mhibbins@UR.Rochester.edu>

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USaoPaulo Brazil ParasitismInCnidarians

Dear colleagues,

One post-doctoral position to work on the evolution of parasitism in cnidarians is available at the Genomics Diversity Lab of the University of Sāo Paulo's Institute of Biosciences (IB-USP) in Brazil. This project aims to understand the evolution of genes related to parasitism, toxins, and the immune system in parasite cnidarians.

Candidates are expected to meet the following requirements: prior experience working with a taxonomic group of the phylum, experience in Cnidaria lab culturing, and bioinformatics tools, as well as availability for an internship abroad.

The application deadline is September 15, 2025, at 11:59 p.m. Brasília time (BRT or UTC-3). Applications must be submitted exclusively to the following email: <soniacsandrade@ib.usp.br>. Include the subject line “Postdoctoral Project in Parasitism in Cnidarians,” followed by the candidate's name.

The following documentation in PDF should be attached:

- A motivation letter; - Updated résumé (including publications and skills); - A recommendation letter.

Main responsibilities:

1- Implement bioinformatics pipelines and reproducible scripts to analyse genomic and transcriptomic data and support downstream analysis.

2- Select and curate the genomes and transcriptomes from a public database according to quality and relevance.

3- Adapt protocols to DNA/RNA extraction when necessary and apply workflows to remove contaminants, assemble and annotate the genome/transcriptome.

4- Implement comparative and evolutionary analysis using the appropriate softwares.

5- Collect and rearing vertebrates and invertebrates contaminated with myxozoans.

6- Conduct analyses to identify gene families associated with putative toxins, immune system and parasitism using genome and transcriptome data.

7- Integrate genomic data and life-style of cnidarians to discuss the process behind the evolution of parasitism, toxins and immune system.

8- Prepare supplementaries material and data to public repositories.

9- Collaborate with external institutions.

10- Manage the data and write draft and final manuscripts for publications considering the national and international best practices.

11- Present partial and final results at conferences, congresses and workshops.

The position is open to candidates of any nationality. The selected candidate will receive an 18-month Post-Doctoral Fellowship from the Sāo Paulo Research Foundation (FAPESP) in the amount of R$ 12,570.00 per month, plus research allowance equivalent to 10% of the annual fellowship value to cover expenses directly related to the research activities.

More details for this position at:

https://fapesp.br/oportunidades/evolucao_do_parasitismo_em_cnidaria:_avaliando_genes_envolvidos_no_modo_de_vida_parasita,_na_resposta_imune_e_na_codificacao_de_toxinas/8474/

Sónia

Sónia CS Andrade Departamento de Genética e Biologia Evolutiva IB-Universidade de Sāo Paulo Cidade Universitária - Sāo Paulo, Brasil e-mail: soniacsandrade@ib.usp.br tel office: +55 (11) 2648-6113 tel lab: +55 (11) 2648-8292

Sónia Andrade <soniacsandrade@ib.usp.br>

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USDA Hawaii InsectEvoDevo

Insect genetics and developmental biology

Postdoc position, 1 year, annual renewal up to 2 year or potentially more depending on funding

Agriculture Research Services, Hilo, HI

PI: Chan Heu

Description:

The research opportunity is available to a motivated postdoctoral fellow interested in learning and using contemporary functional genomics approaches (CRISPR, RNAi, transgenics, etc.) to characterize the functions of genes involved in biological development, reproduction, sex determination, and/or olfaction/chemical sensing in tephritid pests of agriculture. The research opportunity will allow the postdoc to explore biological development, gene function, and develop and/or improve biological control (genetic SIT, gene-drive, release of insects carrying dominant lethal systems) in tephritids by integrating or exploiting genes involved in fundamental biology. Furthermore, this research opportunity will allow the postdoc to develop and/or apply new and emerging genetic tools to tephritids.

Applications will be accepted through zintellect. Position will be open until filled.

https://www.zintellect.com/Opportunity/Details/-USDA-ARS-PWA-2025-0071 Thank you,

Chan

"Heu, Chan - REE-ARS" <Chan.Heu@usda.gov>

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UTexas Austin Biodiversity

Postdoctoral scholar opportunity - University of Texas at Austin - Biodiversity

Learn more and apply here:

https://cns.utexas.edu/research/research-initiatives/-stengl-wyer-scholars Description:

The Stengl-Wyer Scholars Program provides up to three years of support for talented postdoctoral researchers in the broad area of the diversity of life and/or organisms in their natural environments. Scholars must propose their own independent research, and may study any group of organisms at levels from genes to populations to communities to ecosystems, using any combination of approaches. Scholars will participate in monthly cohort activities and community engagement, and are encouraged to serve as mentors and collaborate with other faculty, postdocs, and graduate students at UT Austin. Applicants of all backgrounds are encouraged to apply. This opportunity is generously funded by the Stengl Wyer endowment (https://giving.utexas.edu/in-the-pines/).

Scholars receive an annual salary of $70,000 plus benefits, an annual research and travel allowance of $10,000, and up to $3,000 in relocation expenses The 2026 Scholars cohort begins in August/September 2026. Applications close December 8, 2025.

Stengl-Wyer Endowment <swe@austin.utexas.edu>

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UVienna SpatialEvolGenetics

PhD and postdoc positions in theoretical evolutionary genetics at the University of Vienna, Austria

We invite applications for PhD and postdoc positions in theoretical evolutionary genetics at the University of Vienna, Austria. The positions are part of an ERC-funded project 'Genes in Space' (https://-/mathevogen.github.io/genes-in-space.html) that aims to model polygenic adaptation in spatially structured populations. We will then build upon this to better understand sources of confounding in Genome-wide Association Studies (GWAS). PhD and postdoc projects can be defined flexibly within this broad area, depending on the interests of the candidate. Work in the group is primarily theoretical, but there is also scope to develop projects at the theory-data interface with collaborators working on genomic inference in natural populations.

*Your profile. We are looking for highly motivated candidates with an interest in evolutionary questions and mathematical modeling and/or statistical analysis, and strong communication and writing skills. PhD candidate(s) should have an MSc degree (or equiva-

lent) in evolutionary/systems/computational biology, mathematical biology/biomathematics or a related field. Candidates with an M. Sc. in physics or mathematics who have a strong interest in evolution are also encouraged to apply. Quantitative skills are required and some coding experience is a strong plus. Postdoctoral candidates should have a PhD in genetics, genomics, mathematical biology or a related field, and have strong quantitative and computational skills. Experience with GWAS is a plus.

*What we offer. PhD positions are available for 30h/week employment (standard PhD contract in Austria) for 3 years, with the potential for a 1 year extension. The postdoc position is available for 40h/week employment for 2 years with potential for further extension. The salary is according to standard University rates (https://personalwesen.univie.ac.at/en/jobs-recruiting/salary-scheme/). Contracts include health insurance and 25 days of holidays per year. The starting date is somewhat flexible but needs to be in the first half of 2026.

The positions provide an opportunity to explore interesting questions in a collaborative and interdisciplinary environment. The new evolutionary genetics group (https://mathevogen.github.io/) that the candidates will join is affiliated with both the Faculty of Life Sciences and Faculty of Mathematics, providing members with access to resources (courses, seminars) and collaborative opportunities in both. Moreover, the Vienna area is a hub for evolutionary biology with a large number of research groups working on diverse questions (https://www.evolvienna.at/), creating a dynamic and stimulating environment. The city of Vienna is known for its quality of life, including easy access to nature and cultural activities.

*How to apply. PhD candidates should send a single pdf file including a CV, a record of MSc transcripts, a letter of motivation and contact details of two referees. Postdoctoral candidates should send a single pdf with a CV, a statement of research interests and contact details of two referees. If interested, please send your application materials directly to himani.sachdeva@univie.ac.at latest by 15^th September. Please also feel free to contact me for informal queries and further information.

Himani Sachdeva <himani.sachdeva@univie.ac.at>

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UWashington MarinePopGenomics

Dr Lorenz Hauser Richard C. and Lois M. Worthington Endowed Professor in Fisheries Management School of Aquatic and Fishery Sciences, University of Washington 1122 NE Boat St, Box 355020, Seattle WA 98195-5020, Phone 206 685 3270, https://fish.uw.edu/faculty/lorenz-hauser/,http://faculty.washington.edu/lhauser/ Research Associate, Nelson Mandela University, Gqeberha, South Africa Postdoc Position: Genetic Mark Recapture in Atlantic Bluefin Tuna

The Marine Population Genomics Lab at the School of Aquatic and Fishery Sciences (SAFS) invites applications for a full time Postdoctoral Scholar to develop genomic tools and protocols for large scale genetic mark recapture (GMR) programs in Atlantic Bluefin Tuna (Thunnus thynnus) in the northwestern Atlantic. The project is a collaboration among Lorenz Hauser, Ray Hilborn (SAFS) and Steve and Chris Weiner of the The Bluefin Collaborative, a group of commercial, charter, and recreational tuna fishermen and other stakeholders interested in combining innovative science and hands-on fishing experience to improve tuna management. Specifically, the successful candidate will re-sequence tuna genomes to improve estimates of stock structure, reduce the proportion of individuals that cannot be assigned to population, and develop a multiallelic marker panel for routine application in GMR. The project spans population genomics, fisheries ecology and management, as well as fundamental and applied science, and will receive input from a range of stakeholders (e.g. NOAA, ICCAT, DFO).

The PDRA will work within the Marine Ecology Research Lab, a large lab consisting of four faculty, two PDRAs, five PhD students, two Masters??? students and a varying number of undergraduates. Depending on interest, there may be opportunities to become involved in other projects or to mentor graduate and undergraduate students. The PDRA will be expected to present results at conferences and in meetings with stakeholders, provide written and oral reports to collaborators, and to publish results in the peer-reviewed literature.

This is a full time, 24-month (2-year) position. University of Washington Postdoctoral Scholar appointments are for a temporary, defined period not to exceed five years/60 months, including any previous postdoctoral

experience. We are therefore seeking applicants who will have no more than 3 years of postdoctoral scholar experience by the start of this appointment. Postdoctoral scholars are represented by UAW 4121 and are subject to the collective bargaining agreement, unless agreed exclusion criteria apply. For more information, please visit the University of Washington Labor Relations website.

Required Qualifications

PhD or foreign equivalent in Biology, Molecular Genetics, Fisheries Science, Statistics or related disciplinesExperience in basic laboratory techniques Thorough knowledge of population genetics/genomicsExperience with the analysis of large-scale genomic dataDemonstrated ability to summarize scientific findings in the form of written manuscripts and oral presentations Desired Qualifications:

Interest in collaborating with diverse groups, including bluefin industry organizations, ICCAT, NOAA, and University scientistsProficiency in statistics and data analysisExperience with the application of genomics in fisheries management and/or natural resource managementKnowledge/interest in fisheries ecology, including mark recapture experiments.

Application Instructions All applications should be submitted through Interfolio. To apply for this position, please include the following in your application:

A cover letterA detailed CV, including bibliographyUp to three published or unpublished manuscriptsContact details of three academic references

For any queries about this position, please reach out to Professor Lorenz Hauser at lhauser@uw.edu.

Complete applications received by Oct 31, 2025 will be given preferred consideration. Desired start date: Jan 1, 2026 Salary: The base salary range for this position will be $5,705 ??? 6,662 per month, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination.

Lorenz Hauser <lhauser@uw.edu>

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UWisconsin Madison EvolutionaryGenomics

The research group of John Pool at the University of Wisconsin - Madison invites applications for a postdoctoral research position.

The Pool Lab has a strong focus on population genomics and the genetics of adaptive evolution (especially with regard to local adaptation), and it supports an emerging emphasis on genetic evidence of reproductive isolation. Most of the lab's projects leverage the natural diversity and experimental power of Drosophila melanogaster, while other projects are driven by population genetic simulations.

The focus of this postdoctoral position will depend on the intersection of interests between the successful candidate and the mentor. Examples of potential focus areas include: * The population genomics of admixture/introgression between partially isolated populations/species. * Integrating genotype-phenotype association testing with other forms of data to expand inferences about the genetics of adaptation. * Using multi-omic data to investigate the evolution of maternal investment / reproductive tradeoffs in a challenging environment.

Our lab is currently fairly small (allowing for ample interaction with the PI), but likely to grow due to recently renewed funding. The lab currently includes a masters-level lab manager with a diverse skill set, two advanced PhD students, and several undergraduates. Lab alumni include 6 postdocs and 5 PhD recipients. Further lab info: http://www.johnpool.net UW-Madison offers a superb scientific environment with a vast biological research community and a supportive, collaborative, and egalitarian culture. Numerous labs focus on population genetics, evolutionary genomics, and Drosophila research: https://genetics.wisc.edu/evolutionary-and-population-genetics/ https://evolution.wisc.edu/-people/faculty/ https://genetics.wisc.edu/drosophila-and-other-insects/ Madison offers an exceptional quality of life in a beautiful landscape, and has been ranked as both the best US city for young adults and the best for raising a family. http://-www.visitmadison.com/media/rankings/ Downtown and campus are bordered by lakes, it's easy to get around by bike or bus, and Madison features diverse art, music, cultural, and culinary offerings.

We welcome applicants from all backgrounds, including those poised to add unique or rare perspectives to our field and our community.

Start dates are flexible. Salary follows the NIH scale. Benefits include individual or family health insurance.

Applications are due by September 1. However, earlier applications are welcome, and later applications may still be considered. Informal inquiries are also welcome at any time.

To apply, send a statement of research interests (up to 1 page) addressing the intersection between your own scientific interests and the Pool lab's research in terms of potential projects, along with a CV and contact info for 3 references.

John Pool Professor of Genetics Director of Wisconsin Evolution (The J. F. Crow Institute) University of Wisconsin - Madison jpool@wisc.edu

John E Pool <jpool@wisc.edu>

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VanderbiltU EvolutionaryImmunology

Title: The evolution of stage-structured immune responses Postdoc Position, full time

The Tate lab in the Department of Biological Sciences at Vanderbilt University is recruiting a motivated and creative Postdoctoral Scholar broadly interested in the evolutionary processes that shape immune systems.

About the position: The Postdoctoral Scholar will study the evolution of stage-structured immune responses using a combination of laboratory experiments and genomic/transcriptomic approaches in a model insect system (Tribolium castaneum). Possible projects include a) experiments and/or computational approaches to define the genetic basis of natural variation in immune responses across life stages using wild-derived populations and b) the experimental evolution of stage-specific immune responses against parasites in the face of developmental constraints.

The position is available as early as September 2025, and the start date is negotiable. Full ad and information available here: https://my.vanderbilt.edu/tatelab/join-us/ Required qualifications: A Ph.D. in a biological or related discipline (or firm expectation of receiving one prior to starting the position). Preferred qualifications: Previous experience in experimental evolution, invertebrate infection models, and/or ecological or evolutionary immunology is strongly preferred. The candidate should have excellent task management (experiments likely to be complex), strong oral and written communication skills, and be collegial and collaborative. The candidate should have a track record of scientific publications and conference presentations commensurate with career stage.

Compensation: Full salary (starting at $62,232 but commensurate with experience) and benefits are available for at least three years. The initial appointment will be for one year, renewable upon satisfactory performance and continued availability of funding.

How to apply: Please send a CV and a cover letter (1-2 pages) describing research interests and experience, future career goals, and reason for interest in this particular position. Please include the contact information for three academic references at the end of the cover letter. Using the email header "Postdoc position interest," please send these materials to a.tate@vanderbilt.edu.

Review of applications will begin on 9/1/25 and will continue until the position is filled.

Questions about this position can be directed to: Ann Tate, Ph.D. Vanderbilt University Dept. of Biological Sciences a.tate@vanderbilt.edu

"Tate, Ann Thomas" <a.tate@vanderbilt.edu>

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WashingtonStateU EvoGenomics

The Rudman lab at WSU-Vancouver invites applications for a position conducting experimental evolution studies and association genomic analyses - https://wsu.wd5.myworkdayjobs.com/WSU_Jobs/job/Vancouver-WA/Research-Investigator-1–College-of-Arts-and-Sciences–Vancouver-Campus_R-13890-1 .Applications will be considered as they are received with an ideal start date this fall.

Research in the Rudman lab uses evolutionary genetics to better understand the fate of populations inhabiting changing environments. We combine field experiments, field collections, and analyses of genomic data to under-

stand the factors that shape evolution and also examine how rapid evolution influences population dynamics and persistence. We work primarily in organisms that are amenable to experimentation - insects, plankton, and small fish.

Research Mission The overarching research goal in the Rudman lab is to understand the process of adaptation, at both the phenotypic and genomic levels of organization, and use knowledge of adaptation to better understand and predict how populations respond to environmental change.

Group Values To conduct innovative and rigorous research To promote and maintain an inclusive and collaborative work environment To provide training that helps all members reach their individual goals

"Rudman, Seth" <seth.rudman@wsu.edu>

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WorkshopsCourses

InstitutPasteur HumanPopEvolGenetics Oct14

Dear all,

We are pleased to announce that registration is now open for the free Massive Open Online Course (MOOC) "Human Population and Evolutionary Genetics" offered by the Institut Pasteur (Paris). The course will begin on October 14, 2025.

The HPEG MOOC will give you an overview of the basic concepts of human population genetics by demonstrating how genomic data is used to learn about human history and how natural selection has impacted our species.

Part I: Essential concepts in population and evolutionary genetics Part II: Tools to reconstruct past human history, with an overview of the genetic history of human populations worldwide Part III: Natural selection and methods to detect it, including examples of human adaptation to local environments Part IV: Insights from modern and ancient genomes, highlighting breakthroughs in our understanding of human evolutionary history and biology

To learn more and register, please visit the course website: https://www.fun-mooc.fr/en/courses/human-population-and-evolutionary-genetics/ We hope you will join us!

Best regards,

Oguzhan

Oguzhan Parasayan Postdoctoral Researcher Human Evolutionary Genetics Unit Institut Pasteur 28 rue du Dr Roux 75015 Paris France

Oguzhan PARASAYAN <oguzhan.parasayan@pasteur.fr>

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ItalySZN SystemsBiology Oct27-30

International Summer School on Systems Biology Applied to the Marine Environment "The Systems Biology Approach to Discover Marine Life: "From a Big Eye to a Microscopic Picture"

Dear all, We are excited to announce the new early deadline, the 5th of Septmber, for the upcoming ISSSB2025 Summer School on Systems Biology applied to marine environments, "The Systems Biology approach to discover marine life: from a big eye to a microscopic picture" that will be held in Naples from the 27th to the 30th of October 2025. This summer school aims to bring together students, researchers, and professionals interested in the cutting-edge applications of Systems Biology to marine ecosystems. It promises to be a highly enriching experience with insightful lectures, interactive sessions, and opportunities for networking. II Edition of the International Summer School on Systems Biology Applied to the Marine Environment "The Systems Biology Approach to Discover Marine Life: From a Big Eye to a Microscopic Picture"

Stazione Zoologica Anton Dohrn / Darwin-Dohrn Museum, Naples (Italy) 27-30 October 2025

Dive into an interdisciplinary journey exploring marine biodiversity through the lens of systems biology! Learn how cutting-edge technologies, from omics to ecosystem modelling, are transforming our understanding of life in the oceans.

Course overview: Systems biology seeks to understand biological phenomena holistically by integrating diverse data and exploring dynamic networks that connect organisms, their environment, and key molecular components such as genes, proteins, and metabolites. This interdisciplinary approach is essential to reveal how biological systems adapt to environmental changes and self-correct, such as in response to mutations.

their vast biodiversity and complexity, oceans exemplify systems that can only be understood through integrated scientific perspectives. Advances in technologies like genomics, transcriptomics, proteomics, metabolomics, and single-cell approaches, combined with bioinformatics, now allow researchers to study marine life at unprecedented resolution, from ecosystem-wide dynamics to cellular processes.

Topics covered: - Biodiversity assessments - Ecosystem Scale Modeling - Omics Workflows - Evolutionary Genomics & Eco-Evo-Devo - Marine Biotechnology & Synthetic Biology - Hands-on sessions + expert talks in a unique marine science hub.

Open to: Master's students, PhD candidates, postdocs & early career researchers.

Apply here: https://isssb2022.wixsite.com/-isssystemsbiology25 NEW DEADLINES: Early bird: 5 September 2025 (euro 350) Late: 20 September 2025 (euro 400)

Info: ISSSB2022@gmail.com

Organizers: Valeria Di Dato, Rossella Annunziata, Angela Sardo, Arianna Smerilli, Lucia Campese, Ida Orefice

Francesca Raffini <francesca.raffini@szn.it>

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Online aDNAPopulationGenomics Sep22-26

Dear all,

There are only 4 seats remaining for the upcoming Physalia online course: Population Genomics using ancient DNA data

Dates: 22nd-26th September - Daily sessions: 2-8 PM (Berlin time)

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

This course introduces participants to the unique challenges and opportunities of working with ancient DNA (aDNA) in population genomics. Attendees will learn how aDNA data is generated, processed, authenticated, and analysed to address key evolutionary and demographic questions. Through a mix of lectures and hands-on exercises, participants will gain practical experience in:

Authenticating and processing ancient genomic data

Exploring population structure and relatedness

Applying D and F statistics to assess population affinity and gene flow

Performing demographic inference and simulations

Detecting signatures of natural selection For the full

list of upcoming courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/)

Best regards, Carlo

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

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Online BiodiversityDataAnalysis Aug18-22

Dear all,

Just a quick note to let you know that a few seats are still available for our upcoming online course: Analysing Biodiversity through Time and Space Using R Dates: 18?¿'22 August (15:00??"18:00 Berlin time)

Course website: (https://www.physalia-courses.org/-courses-workshops/biodiversity-in-r/)

This course is designed for researchers working with fossil or modern biodiversity data, and will guide you through building reproducible R workflows for data acquisition, cleaning, visualisation, and analysis?¿'across both space and geological time.

What attendees will learn:

How to quantify biodiversity across space and time

Addressing the gap between observed and true diversity

Tools and techniques for cleaning, analysing, and visualising biodiversity data

Handling sampling biases and estimating diversification rates

Working with occurrence data, GIS, chronostratigraphy, and palaeogeographic models in R

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

Best regards, Carlo

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Online BioinformaticsWithPython Sep29-Oct2O

Dear all,

We're excited to announce the upcoming Physalia online course: Introduction to Python Programming for Biologists

Dates: 29 September - 2 October

Course website: (https://www.physalia-courses.org/-courses-workshops/python24/)

This 4-day hands-on course is designed for biologists and life scientists with little or no prior programming experience. You'll learn Python from the ground up, focusing on practical applications in biology.

By the end of the course, participants will be able to:

Write and run Python code to process and analyse biological data

Use key bioinformatics libraries (e.g., Biopython)

Apply statistics and data visualisation (NumPy, pandas, matplotlib, seaborn, plotly)

Write organised and reusable code

Develop a small project tailored to their own field Daily projects include DNA sequence manipulation, complex field data handling, ChIP-seq data, and viral genomics.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-python24/)

Best regards, Carlo

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Online HiddenMarkovModels Sep2-5

Dear all,

online course: Latent Class, Markov and Hidden Markov Models with Applications in R

Dates: 2-5 September

Time: 2-5 PM Berlin time daily

Course website: (https://www.physalia-courses.org/-courses-workshops/latent-class-markov-and-hidden-markov-models-with-applications-in-r/)

This course will introduce the theory and practical applications of latent class, Markov, and hidden Markov models, particularly for the analysis of longitudinal data. It includes interactive hands-on sessions using R (MultiLCIRT and LMest libraries), and is suitable for researchers, students, and practitioners even without a background in probability.

Topics covered include:

Discrete latent variable models

Latent class models with covariates

Markov and hidden Markov models (with missing data handling)

Model selection and uncertainty estimation

Real-world case studies and exercises

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/latent-class-markov-and-hidden-markov-models-with-applications-in-r/)

Best regards,

Carlo

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Online IntroToDeepLearning Nov3-7

Dear all,

registration is now open for the upcoming Physalia online course: Introduction to Deep Learning for Biologists Dates: 3-7 November (2-8 PM Berlin time)Course website: (https://www.physalia-courses.org/courses-workshops/course67/)

This course introduces the theory and application of deep learning models particularly Convolutional Neural Networks (CNNs) for classification, regression, and image segmentation in biological research. It is designed for advanced students, researchers, and professionals looking to apply predictive algorithms to biological data.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-llms-4-r/)

Feel free to share this with colleagues who might be interested. Let us know if you have any questions!

Best regards, Carlo

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Online LongReadsGenomeAssembly Nov10-14

Dear all,

We are pleased to announce our upcoming online course: EUKARYOTIC GENOME ASSEMBLY USING PACBIO AND HI-C

Dates: 10-14 November

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

Eukaryotic genomes often contain many repetitive elements. Long-read sequencing technologies such as PacBio HiFi can span these repeats, producing genome assemblies with unprecedented contiguity and base accuracy. Chromatin conformation capture (Hi-C) data further enable scaffolding into chromosome-level assemblies.

This course will guide participants through the complete genome assembly workflow: from raw data preprocessing and quality assessment, through different assembly algorithms, to Hi-C scaffolding and assembly evaluation. Participants will gain both theoretical knowledge and hands-on experience with real eukaryotic datasets.

By the end of the course, participants will:

Understand PacBio HiFi, PacBio CLR, and Hi-C sequencing data

Learn the concepts and strategies of de novo genome assembly

Gain practical experience with state-of-the-art tools for assembly and quality assessment

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

Best regards,Carlo

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Online Museomics Nov3-7

Dear all,

registration is now open for the Physalia online course "MUSEOMICS: AN INTRODUCTION TO GENOMIC ANALYSES OF NATURAL HISTORY COLLECTIONS".

Dates: November, 3rd-7th

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

This course offers a practical introduction to museomics the study of genomic data from natural history collections. Aimed at students and professionals with a background in evolutionary biology or genomics, it combines lectures with hands-on exercises to teach key bioinformatics tools and analysis methods.

By the end of this course, participants will gain both theoretical knowledge and hands-on skills in:

Processing genomic data from museum specimens, including data generation, mapping, filtering, and quality control.

Extracting key genomic insights such as genetic diversity, allele frequencies, population structure, and relatedness.

Applying museomics to real-world research in molecular ecology and conservation, with case studies on:

Local adaptation over time in response to environmental change.

Genetic diversity loss and population decline through time. For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/-courses-workshops/museomics/)

Best regards, Carlo

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Online RNAseq deNovo Aug19-21

The Computational Biology Core at the University of Connecticut is hosting virtual bioinformatics workshops this summer! We still have space available in our RNA-seq (de novo) Workshop (virtual but live instruction - August 19-21).

This hands-on workshop will guide participants through the complete de novo transcriptomics workflow for projects without a reference genome. You'll learn about experimental design, high-throughput sequencing basics, quality control, de novo transcriptome assembly, differential expression analysis, and functional enrichment?using real datasets and widely used tools in R and the Linux command line.

A self-guided introduction to Linux, HPC, and R will be provided two weeks before the workshop to ensure participants are ready to dive in.

Learn more & register here: https://-bioinformatics.uconn.edu/cbc-workshops/ WHERE: Virtual (MS Teams) WHEN: 10:00 AM - 2:00 PM EST COST: $400 (UConn affiliates) / $500 (External participants)

Registration is first come, first served.

Questions? E-mail: cbcsupport@helpspotmail.com

zsc25001@uconn.edu

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Online RNAseqWithBioconductor Nov3-14

Dear all,

registration is open for the online course "RNA Sequencing Data with R/Bioconductor" (3-14 November), organized in partnership with the Bioconductor Training team.

Course website: (https://www.physalia-courses.org/-courses-workshops/course19/)

This hands-on course will equip biologists and bioinformaticians with the statistical and computational skills needed to rigorously analyze RNA-seq and other high-throughput genomic data. Topics include:

Hypothesis testing and statistical concepts for genomics

Data visualization in R

Genomic region analysis with GenomicRanges

RNA-seq data handling with SummarizedExperiment

Differential expression analysis with DESeq2

Gene set and pathway analysis (GO, KEGG) Prerequisites: Basic familiarity with R and genomics (no advanced statistics required).

More information & registration for all our courses: (https://www.physalia-courses.org/courses/)

Best regards,Carlo

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Online SingleCellAnalysisBioconductor Sep5-19

Hi everyone

Instats is excited to offer a 2-day seminar, Single-Cell Analysis with Bioconductor, running livestreaming September 5 - 19 and led by Director of Computational Biology from Harvard Medical School, professor Ludwig Geistlinger. Single-cell analysis has transformed molecular and computational biology by revealing cellular heterogeneity at unprecedented resolution, and this intensive workshop equips PhD students, postdocs, academics, and industry researchers with the analytical toolkit to harness that power. You'll take a deep dive into the entire scRNA-seq workflow in R and Bioconductor, mastering data preprocessing, quality control, dimensionality reduction, clustering, cell-type identification, differential expression for multi-sample designs, visualization, and best practices for working with large datasets. Hands-on sessions, guided by Dr Geistlinger's expertise, will also cover seamless interoperability with Seurat and Scanpy/scverse and integration of public reference data such as the Human Cell Atlas ensuring you leave ready to design, analyze, and interpret your own single-cell experiments and uncover novel biological insights.

https://instats.org/seminar/single-cell-analysis-with-bioconductor Sign up today to secure your spot, and feel free to share this opportunity with colleagues and students who might benefit!

Best wishes

Michael Zyphur Professor and Director Institute for Statistical and Data Science https://instats.org

Online SingleCellGenomics Nov17-21

Dear all,

We're excited to announce the upcoming Physalia online course: Single-cell RNA-seq Analysis with R/Bioconductor, which is organised in collaboration with the Bioconductor Teaching Committee

Dates: 17-21 November

Course website: (https://www.physalia-courses.org/-courses-workshops/course18/)

This hands-on course is designed for biologists and bioinformaticians interested in learning how to process, analyse, and interpret single-cell RNA-seq data using R/Bioconductor tools. Over five days, participants will be guided through all major steps from quality control and normalization to clustering, differential expression, and pseudo-time analysis using real datasets and reproducible workflows.

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course18/) Please feel free to share with colleagues who may be interested!

Best regards, Carlo

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UPretoria PopGenomics Dec7-13

Population Genomics Data Analysis Course & Workshop

Themes: Conservation Genetics, Population Genomics, and Molecular Ecology. Understanding Population Structure and Environmental Influences on Genomic Variation - using Next Gen Sequencing Data & key computational approaches. Includes filtering from raw reads to genotypes and many analyses to prepare you for future genomics data analyses. When: December 7 - 13, 2025. First Lecture Sunday night (7th), last lecture Saturday 13th

Where: University of Pretoria, South Africa (https://-www.up.ac.za/).

Details and registration: see below and https://-www.umt.edu/congen/africa/ Course Objective: To teach conceptual and practical aspects of data analysis to understand the evolutionary and ecological genomics of natural and managed populations.

Who should apply: Advanced Undergrads, M.S. & Ph.D. students, post-docs, PIs (agency biologists), and faculty who have understanding of population genetics & population ecology, R Linux.

What you receive: 3 Lectures a day (video-recorded) by >12 expert instructors with question & answer sessions, copies of PowerPoints, hands-on exercise worksheets. Trip: Kruger National Park

Publication: We will likely publish together a meeting review (e.g., below) to help advance the field and improve your ability to publish. Schweizer et al. 2021: doi.org/10.1093/jhered/esab019; Stahlke et al. 2020: doi.org/10.1093/jhered/esaa001; Hendricks et al. 2018: doi.org/10.1111/eva.12659

Tentative Course Agenda - see also https://-www.umt.edu/congen/africa/ ConGen-December 2025, Pretoria, Africa (in-person, not on-line)

Nov. 5th (Wednesday): Pre-ConGen Zoom lecture on Basic R Studio & Linux Keynote lecturer: Will Hemstrom (with Rena Schweizer). Video-recorded for reviewing. Nov 12th (Wednesday): Pre-ConGen Zoom Lecture: Bioinformatics concepts & skills Keynote: Rena Schweizer (USDA), Gregg Thomas (Harvard U). Recorded for re-viewing. Nov 19th (Wednesday): Pre-ConGen introductions of instructors & students. Networking! *note: daily sessions allow you to analyze your data, network, and discuss ideas with instructors

Day 1 (Sunday, Dec. 7) - Arrival, move-in, welcome, overview lecture 5:00 - 6:30 PM Mixer and dinner 6:30-6:45 PM Welcome, course business, and introduction, Gordon Luikart, Monica Mwale 7:00-8:15 PM Introduction & overview of conservation genetics/omics Keynote address: Marty Kardos, formerly of NOAA, National Marine Fisheries Service, USA

Day 2 (Monday, Dec. 8) - Topics: Coalescent, stats, data filtering, genotype calling The Coalescent Keynote

lecturer: Eric Anderson, formerly of National Marine Fisheries Service, California Hands-on: Using your laptop: Coalescent simulations, and the Site Freq Spectrum Bayesian statistics, probability, MCMC, genotype likelihoods for Next Gen seq data Keynote lecturer: Eric Anderson: Bayesian data analysis, MCMC, genotype likelihoods Hands-on: Using your laptop: understanding genotype likelihoods, propagating uncertainty The F-word: Filtering best practices, effects of F choices - on PCAs, etc. Keynote lecturer: Will Hemstrom, Colorado State Univ. Hands-on: Raw reads to genotypes without a reference, PCR duplicates, MAF, missing data Conservation/Population genomics: Tools to answer Ecological/Evolutionary questions Keynote lecturer: Paul Hohenlohe, University of Idaho, Moscow. (via Zoom)

Day 3 (Tuesday, Dec. 9) - Filtering, HW, Ne, inbreeding, RoH, genotyping Hardy-Weinberg testing & filtering effects on selection detection Keynote lecturer: Will Hemstrom Hands-on: Testing for deviations from HWP. Filtering effects on selection signal detection Inbreeding, runs of homozygosity, LD distributions, & Identification of deleterious alleles Keynote lecturer: Marty Kardos Hands-on: Inbreeding estimation and RoH data analysis with R Raw reads to genotypes: Reference-based genotyping with the GATK pipeline Keynote lecturer: Rena Schweitzer, USDA, USA Hands-on: Raw reads to genotypes - mapping to a reference genome Effective population size estimation Keynote lecturer: Robin Waples?, NOAA, NMFS, U Washington, Seattle (via Zoom?) Hands-on: Effects sample size & Wahlund effects on Ne estimators?

Day 4 (Wednesday, Dec. 10) - Forensics, Ne-estimation, Structure & Conservation Units Forensics, PID, Match probability Keynote lecturer: Paul Grobler, UFS, Bloemfontein, Free State, South Africa Hands-on: Using DNA data Inferring Ne from indicators (proxies) - overview & concepts Keynote lecturer: Jessica da Silva Hands-on: Infer Ne for several species (without using genetic data) Inferring population structure and conservation units using genetics & omics Keynote lecturer: Brenna Forester, US Fish & Wildlife Service Hands-on with background information: Delineating conservation units

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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

WoodsHole RequestForTestimonialsMolevol

We, the recent Directors of the Workshop on Molecular Evolution held at the Marine Biological Laboratory in Woods Hole, are gathering testimonials from past students, instructors, and teaching assistants about the impact that the workshop has had on their careers and on the field of evolutionary biology as a whole since it began in 1988.

If you have participated in the workshop in any way over the past 38 years, please share your experiences! Your responses will help us to position the workshop for continued success over the decades to come.

https://docs.google.com/forms/d/e/-1FAIpQLSdvkrgQDd8MS48o4fxLCptxSD8u0oEJMrg20Nq59MqKQa07viewform Thanks, Jeremy M. Brown, Claudia Solï¿½s-Lemus, and Tracy A. Heath

Claudia Solis Lemus <solislemus@wisc.edu>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral

positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

To be removed from the EvolDir mailing list please send an email message to Golding@McMaster.CA. Note that 'on vacation', etc, style messages are automatically filtered and should not be transmitted to the list (I hope), but should you wish to avoid the e-mail's your code can be temporarily changed to 000000.

To send messages to the EvolDir direct them to the email evoldir@evol.biology.McMaster.CA. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. . . . plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be send to me at Golding@McMaster.CA and processed later. In either case, please do not expect an instant response.

Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LaTeX do not try to embed LaTeX or TeX in your message (or other formats) since my program will strip these from the message.