E v o l D i r

October 1, 2024

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

golding@mcmaster.ca<mailto:golding@mcmaster.ca>)

Copenhagen SMBE2026 Jun28-Jul1-2026

Dear EvolDir Community

We are delighted to be able to send out a placeholder email for the 2026 Society for Molecular Biology and Evolution (SMBE2026) that will be held in Copenhagen, Denmark, between Sunday June 28th and Wednesday July 1st 2026.

Denmark has a long tradition of expertise in both molecular biology and evolution, and thus we are delighted that the SMBE Management Committee accepted our bid. The conference venue will be in central Copenhagen, which is a wonderful and easily accessible city, so we hope to see many of you there.

We anticipate the formal website will be released ca East 2025, with more details on deadlines etc. to come after the upcoming 2025 meeting in China.

We hope to see many of you here in Copenhagen in a few years time.

On behalf of the organizing committee,

Tom

Tom Gilbert Director DNRF Center for Evolutionary Hologenomics

Professor of Palaeogenomics, The Globe Institute, University of Copenhagen & Professor II, NTNU University Museum

ï¿½ster Farimagsgade 5A 1353 Copenhagen Denmark tgilbert@sund.ku.dk +45 23 71 25 19

Tom Gilbert <tgilbert@sund.ku.dk>

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London Molluscs Nov20

Conference:

- Location: London - Event: Molluscan Forum - Date: 20th November 2024

This informal, annual, and successful meeting is designed to bring together people starting their research on molluscs, giving them the opportunity to present and discuss their work, and compare notes on methods and problems.

Attendance to the Molluscan Forum is open to all, but presenters should be research students, post-doctoral researchers, undergraduate students starting molluscan projects, and amateurs engaged in substantial projects that have not yet been published. Any topic related to molluscs is acceptable: paleontological, physiological, behavioral, ecological, systematic, morphological, cellular, or molecular.

Talks (12 minutes), quick-fire talks (3 minutes), or posters may be offered. These need not be polished accounts of completed work; descriptions of new methods, work in progress, and appeals for assistance with unsolved problems are equally acceptable.

This year, we will be returning to our historical format of in-person only talks, which will be broadcast virtually for those unable to attend.

Non-presenters: Virtual attendance of talk sessions for non-presenters will be possible (poster sessions will be in-person). Please indicate whether you will be attending in person or virtually. This helps us estimate numbers.

Deadline for registration: 13th September 2024 Registration fee: None

Enquiries and registrations to: *events@malacsoc.org.uk* Registration Form: *https://malacsoc.org.uk/molluscan-forum/* Thank you for your help in sharing this information with the community.

Best regards, Giada Spagliardi

Giada Spagliardi Guest researcher Marine Ecology & Evolution

< https://naturalis-public-media-assets.s3.eu-central-1.amazonaws.com/Naturalis-mail-signature/logo.png >

giada.spagliardi@naturalis.nl - www.naturalis.nl Darwinweg 2, 2333 CR Leiden Postbus 9517, 2300 RA Leiden < https://www.naturalis.nl/ >

Giada Spagliardi <giada.spagliardi@naturalis.nl>

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https://internalconflictsstn.wordpress.com/) for more information.

Sincerely,

The Internal Conflicts and Organismal Adaptation STN

Manus Patten, Arvid Ãgren, Martijn Schenkel, and Nina Wedell

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

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Online ESEB STN Speciation Sep11

Dear colleagues,

The next instalment of the online seminar series organised by the ESEB-funded STN network ≪ Integration Of Speciation research ≫ ([https://speciation-network.pages.ist.ac.at/]) will be held on 11 September 2024, 5 pm CET.

The upcoming session addresses the topic of "Sensory ecology and speciation". We welcome speakers Robin Tinghitella (University of Denver, USA) and Philip Brand (Rockefeller University, USA).

Online ESEB InternalConflictsSTN Sep20

Dear colleagues,

We would like to invite you to the next online seminar for the "Internal Conflicts and Organismal Adaptation" Special Topic Network (STN) funded by the European Society for Evolutionary Biology, which will take place on September 20th at 13:00 UTC. Our speakers for this seminar are:

Will Ratcliff (Georgia Tech) - Biophysical scaffolding during the transition to multicellularity: how among-cell conflict is solved durably and easily

Paco Ruiz Ruano (Leibniz Institute for the Analysis of Biodiversity Change) - Unveiling the hidden molecular diversity of the germline-restricted chromosomes in passerine birds

We expect the meeting to take approximately 1.5 hours.

Meeting details:

Link: https://georgetown.zoom.us/j/95428988630
Date: September 20th, 2024

Time: 13:00 UTC

If you would like to get on our mailing list and take part in our upcoming events, please visit our website (

The session will last 1.5 hours, with the first hour dedicated to talks from our speakers followed by questions. The last half-an-hour is dedicated to a more general discussion.

To attend the session live, please use the following link: https://gu-se.zoom.us/j/69085374458 Talks (but not the discussion session) are recorded and made available here: https://www.youtube.com/channel/-UClEkDdE_5sDw70SQq78DIAA . The IOS network aims to promote scientific integration and also integration of the community. A main objective on this front is to foster diversity and inclusion across the field. The seminar series and subsequent discussion is open to everyone, from students to established researchers and non-scientists alike. In order to maximise the geographic diversity of attendees, we will alternate between two time slots every other month: 5 pm CET and 9 am CET. Please help us to circulate this email to anyone who

may be interested, especially those in countries that are typically underrepresented in scientific discourse.

The programme of the seminar series is announced by email, on Twitter (@Speciation_net) and on the IOS network website. People who wish to automatically receive the programme and other news from the IOS network can sign up to the network mailing list from the IOS website.

We look forward to seeing you there!

The STN IOS organising committee:

Jonna Kulmuni (chair), Chris Cooney, Sean Stankowski, Carole Smadja (co-chairs), Sonal Singhal, Liz Scordato, Joana Meier, Richard Merrill, Konrad Lohse, Nick Barton and Roger Butlin

NERC Research Fellow School of Biosciences University of Sheffield www.cooneylab.co.uk Chris Cooney <c.cooney@sheffield.ac.uk>

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SanDiego California ComparativeGenomics Jan10-15

Dear colleagues,

We are excited to announce the call for abstracts for the Domestication, Ancient DNA, and Comparative Genomics sessions at PAG 32 from January 10-15, 2025

If you are interested in submitting an abstract, please fill out this Google Form before October 28th, 2024: https://docs.google.com/forms/-d/e/ 1FAIpQLSdesoWzyAX2aqKWx4VeK7nZ29_9Jl 6Yk4KZX_7jt6tKtZWwnA/viewform

Feel free to distribute this link to as many people as you can think of.

Thanks to our sponsors, we are in a position to subsidise the registration fee for early career researchers and we would like to see as many of you as possible in a few months.

We will also be organising our annual dinner at Casa Guadalajara on the Sunday night and more information about that will be arriving in a separate email.

Thanks again and looking forward to receiving your abstracts!

All the best, Ancient DNA: Greger Larson & El-lie Armstrong (greger.larson@arch.ox.ac.uk; ellieearmstrong@gmail.com)

Domestication: Sarah Turner & Laurent Frantz (sarah.turner-hissong@bayer.com; laurent.frantz@lmu.de)

Comparative Genomics: Marc Tollis (marc.tollis@nau.edu)

Laurent Frantz <Laurent.Frantz@palaeo.vetmed.uni-muenchen.de>

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Ventura California Speciation Mar2-7 Registration

Registration is now open for any graduate students, postdocs, faculty, or researchers interested in the Speciation Gordon Research Conference, Ventura CA, March 2-7 2025

https://www.grc.org/speciation-conference/2025/
Proximate Mechanisms and Ultimate Consequences of Speciation

The Speciation GRC is a premier, international scientific conference focused on advancing the frontiers of science through the presentation of cutting-edge and unpublished research, prioritizing time for discussion after each talk and fostering informal interactions among scientists of all career stages. The conference program includes a diverse range of speakers and discussion leaders from institutions and organizations worldwide, concentrating on the latest developments in the field. The conference is five days long and held in a remote location to increase the sense of camaraderie and create scientific communities, with lasting collaborations and friendships. In addition to premier talks, the conference has designated time for poster sessions from individuals of all career stages, and afternoon free time and communal meals allow for informal networking opportunities with leaders in the field.

Speciation is the process by which one species splits into two, leading to increases in biological diversity, both in terms of species richness and phenotypic diversity. The process of speciation entails a combination of phenotypic, genetic, ecological, and reproductive divergence. Often speciation research focuses on the emergent outcome of this divergence, such as reproductive isolation.

But, the genetic divergence has detailed mechanistic underpinnings that must be understood if we are to build a comprehensive view of speciation processes. For example, hybrid inviability may be understood more fully through the lens of gene regulatory networks, or developmental biology. Premating reproductive isolation in animals often requires an understanding of the neurobiology and behavioral mechanisms of mate choice, while pollinator-mediated isolation between plants requires an understanding of pollinator ecology and sensory biology and behavior. Ecological speciation can trace its roots to detailed mechanistic understanding of prey capture and foraging decisions (for competition driven speciation), predator-prey interactions, or immunology for parasite-driven speciation. Speciation research therefore is enriched when it draws on detailed analysis of proximate mechanisms (e.g., genetic, developmental, physiological, ecological) that produce emergent properties like reproductive isolation. For the 2025 GRC on Speciation, we seek to bring together biologists studying a range of mechanistic processes that are pertinent to our understanding of speciation, to interact with other biologists who may make speciation and macroevolution their primary focus. By bridging the study of proximate mechanisms of divergence and ultimate outcomes for biodiversity, we hope to foster new collaborations, new insights, and to broaden the speciation research community.

This GRC will be held in conjunction with the "Speciation" Gordon Research Seminar (GRS). Those interested in attending both meetings must submit an application for the GRS in addition to an application for the GRC. Refer to the associated GRS program page < https://www.grc.org/speciation-grs-conference/-2025/ > for more information.

The topics, speakers, and discussion leaders for the conference sessions are displayed below. The conference chair is currently developing their detailed program, which will include the complete meeting schedule, as well as the talk titles for all speakers. The detailed program will be available by November 2, 2024. Please check back for updates.

Mating System Evolution and Speciation Discussion Leaders

* Yaniv Brandvain (University of Minnesota, United States)

Speakers

* Katja Kasimatis (University of Virginia, United States)
* David Moeller (University of Minnesota, United States)

Developmental Biology as a Basis for Divergence, Isolation, and Speciation Discussion Leaders

* Asano Ishikawa (The University of Tokyo, Japan)

Speakers

* Daehan Lee (Sungkyunkwan University, South Korea)
* Claudius Kratochwil (University of Helsinki, Finland)
* Virginie Courtier-Orgogozo (CNRS - Institut Jacques Monod - Univ Paris Cite, France) * Polina Novikova (Max Planck Institute for Plant Breeding Research, Germany)

Neurobiology of Mate Choice and Premating Isolation Discussion Leaders

* Amanda Moehring (Western University, Canada)

Speakers

* Yuki Ishikawa (Nagoya University, Japan) * Richard Merrill (LMU, Munich, Germany) * Markus Knaden (Max Planck Institute for Chemical Ecology, Germany)

Beyond Traditional DMI Models: The Role of Incompatibilities in Speciation

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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

Ventura Speciation Mar2-7

The Speciation Gordon Research Conference (March 2-7, 2025, in Ventura California) is now open for registration.

Any interested graduate students, postdocs, or faculty are welcome to apply to attend using the following link: https://www.grc.org/speciation-conference/2025/ The meeting is capped at 200, so it is wise to apply early, as applicants will be approved on a first come first served basis. The list of invited speakers is on the conference website (link above). Attendees can present posters, and a small selection of poster presenters will (based on their abstracts) be invited to give short talks.

Graduate students and postdocs can also attend the Speciation Gordon Research Seminar that precedes the GRC meeting (March 1-2). Apply separately to also attend the GRS: https://www.grc.org/speciation-grs-conference/2025/ Conference description:

The Speciation GRC is a premier, international scientific conference focused on advancing the frontiers of science through the presentation of cutting-edge and

unpublished research, prioritizing time for discussion after each talk and fostering informal interactions among scientists of all career stages. The conference program includes a diverse range of speakers and discussion leaders from institutions and organizations worldwide, concentrating on the latest developments in the field. The conference is five days long and held in a remote location to increase the sense of camaraderie and create scientific communities, with lasting collaborations and friendships. In addition to premier talks, the conference has designated time for poster sessions from individuals of all career stages, and afternoon free time and communal meals allow for informal networking opportunities with leaders in the field.

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Questions about the Speciation GRC can be directed to the conference Chair (Dan Bolnick, daniel.bolnick@uconn.edu) or co-chairs (Jonna Kulmuni j.k.kulmuni@uva.nl or Rike Stelkens

rike.stelkens@zoologi.su.se)

Dr. Daniel I. Bolnick Professor, Ecology and Evolutionary Biology & Institute for Systems Genomics

daniel.bolnick@uconn.edu

MAIL TO: Department of Ecology and Evolutionary Biology Affiliate Professor, Molecular & Cellular Biology; Institute for Systems Genomics 75 N. Eagleville Road, Unit 3043 University of Connecticut Storrs, CT 06269-3043, USA

Office Phone: 860-486-3156 Lab Phone: 860-486-3937 Cell Phone: 512-809-6217

Office:PBB 305C Lab: PBB 317&319; ATW 232, 234, 236 Lab website: https://bolnicklab.wordpress.com "Bolnick, Daniel" <daniel.bolnick@uconn.edu>

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Vienna PopGen SeminarWinterSchedule

Dear colleagues,

The Vienna Graduate School of Population Genetics runs an internationally recognized seminar series featuring weekly talks by leading experts in population genetics.

We invite interested viewers to stream the seminars during the upcoming winter term (Tuesdays at 17:00 CET/CEST). Sign up here to receive weekly streaming links (Webex): https://forms.gle/-eaWbQEWvEN9A1z4CA Schedule and updates are listed on our website: https://www.popgen-vienna.at/-news/seminars/ Many talks are posted to YouTube: https://www.youtube.com/@popgenvienna8051 Winter term schedule:

08.10.24 - Lara Radovic (Vetmeduni, AT)

Y chromosome enlightens the last 1,500 years of horse history.

15.10.24 - Rasmus Nielsen (Univ. of California, Berkeley, US) Ancestral Recombination Graphs and their use for population genetic inferences.

22.10.24 - Patrick Tschopp (Univ. of Basel, CH)

Cell fate convergence in the vertebrate skeleton.

29.10.24 - Ann-Marie Waldvogel (Univ. of Cologne, DE)

Understanding ecological impact on genome evolution - from rivers to deserts.

05.11.24 - Aurelien Tellier (TU Munich, DE) Inference of past demography and life-history traits from genomic and epigenomic polymorphism data.

12.11.24 - Nandita Garud (Univ. of California, Los Angeles, US)

Inference of demography and selection from human gut commensal microbiota.

19.11.24 - Ralf Sommer (Max Planck Inst. for Developmental Biology, DE) What's wrong with evolutionary theory?

26.11.24 - Alexander Suh (Univ. of East Anglia, UK) Unusual inheritance and evolution of the germline-restricted chromosome of songbirds.

03.12.24 - Mario dos Reis (Queen Mary Univ. of London, UK) Modeling the action of natural selection on protein-coding genes.

10.12.24 - Rhonda Snook (Stockholm Univ., SE) Ecological and evolutionary consequences of reproductive stress in insects.

17.12.24 - Katie Lotterhos (Northeastern Univ., US) Inversions as concentrators of polygenic architectures.

14.01.25 - Martin Kaltenpoth (Max Planck Inst. For Chemical Ecology, DE) Microbial symbionts as sources of evolutionary innovations in beetles.

21.01.25 - George Cresswell (St. Anna Kinderkrebsforschung, AT) Cancer Evolution: Basic principles to clinical implications.

28.01.25 - Simon Martin (Univ. of Edinburgh, UK) Chromosomal rearrangements and local adaptation: more than meets the eye.

Sincerely,

Carina Baskett

Coordinator, Joint Research Program (SFB)–Polygenic Adaptation Coordinator, Vienna Graduate School of Population Genetics she/her/hers carina.baskett@vetmeduni.ac.at

Baskett Carina <Carina.Baskett@vetmeduni.ac.at>

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GradStudentPositions

AMNH NewYork SensoryEvolution

We seek applicants for a PhD position in the Sensory Ecology, Evolution, and Conservation Lab (SEEC) Lab at the American Museum of Natural History (AMNH) with an interest in moths, bats, sensory ecology, and conservation. Our current program is focused on understanding how light pollution changes insect-bat interactions.

The AMNH's Richard Gilder Graduate School PhD Program in Comparative Biology < https://www.amnh.org/research/richard-gilder-graduate-school > is an accelerated and well-resourced 4-year doctoral degree in evolutionary biology, including a competitive stipend. Our research will be conducted in the museum, using the world-class Lepidoptera collections of the AMNH, and in the field at the AMNH's Southwestern Research Station (SWRS < https://www.amnh.org/research/southwestern-research-station >), using 3D high-speed videography and ultrasonic bioacoustics to document moth-bat battles in an outdoor flight facility.

Please contact Jesse Barber < https://scholar.google.com/citations?user=Qz7jSlYAAAAJ&hl=en >, head of the SEEC Lab, with a letter of interest that describes your background and research interests in sensory ecology and a copy of your CV: barber.jesse@gmail.com. We are especially interested in candidates experienced in data analysis and dissemination of research findings via peer-reviewed publications. The deadline to submit your application is *Nov. 1, 2024*, prior to formal submission to our graduate program. Position open until filled.

Jesse Barber <barber.jesse@gmail.com>

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ARuskinU UK PlantSomaticMutations

About the Project

Fixed term contract for 3 years, commencing January 2025.

Bursary of 19,237 per annum and a full fee-waiver for UK/International tuition fees.

Closing date:22nd November 2024 Interview date:TBC December 2024 About Anglia Ruskin University: Anglia Ruskin is a vibrant workplace and our university is recognised both nationally and internationally. We have ambitious plans for the future, and we are determined that our students and staff will realise their full potential. Our main campuses in the cities of Cambridge, Chelmsford, London and Peterborough have been transformed with major capital investment. With an annual turnover of over 200m, we are a major force for higher education and one of the largest universities in the East of England.

About the position: Traditionally, genomics has concentrated on studying the genetic mutations passed down from parents to their offspring. In contrast, somatic mutations are genetic changes that occur in the cells of organisms during their lifetime, due to incorrect repair of DNA damage or inaccurate DNA replication. These somatic mutations lead to an increasing 'mosaic' of genetic variation within an organism over time. Some of these mutations can cause changes in cellular behaviour, including leading to clonal expansions of mutant cells within tissues.These can have profound effects, including, most notably, the development of cancer. Somatic mutations have also long been theorised to be a driver of ageing.

Until recently our ability to study somatic mutations was limited by the technical challenge of detecting mutations present in single or small numbers of cells Due to advances in our ability to detect somatic mutations, the principles and consequences of somatic evolution are an exciting emerging field in biology, yet remain understudied in plants. Plants are particularly fascinating because somatic mutations that occur in meristematic tissues can be passed on to all descendent cells, and eventually end up in the gametes at branching termini, blurring the distinction between somatic and germline evolution. A better understanding of somatic mutational processes in plants therefore has important implications for our understanding of evolutionary biology.

This PhD aims to investigate somatic mutation rates and processes in plants. This will involve using different sequencing technologies in a lab-based model organism and in wild populations.

Annual Arabidopsis and ancient, long-lived trees such as oaks (Quercus) offer two ends of the lifespan scale in plants, providing tractable systems in which to investigate the principles of somatic evolution in plants. In recent years excellent genomic resources have been developed across a wide range of model and non-model

plant species - for example the Darwin Tree of Life (DToL) has produced chromosomal-level assemblies for both Arabidopsis and Quercus robur (English Oak). Using these systems, and benefiting from open-source data from DToL, we will: (1) Investigate somatic mutational processes across different age classes in Arabidopsis.

(2) Compare sequencing technologies for calling somatic mutations in a long-lived oak tree.

(3) Look across a population of age classes in oak trees to see how somatic mutational processes vary with age in a wild species across different environments.

The student will benefit from a very active and inter-disciplinary collaborative network across Anglia Ruskin University, the University of Cambridge, and the Wellcome Sanger Institute.

Through established partnerships, the student will have access to DToL project resources. A comprehensive training programme will be provided comprising both specialist scientific training and transferable and professional skills. The student will develop skills in experimental design in both field collection and plant growth experiments and how to produce (this may involve laser-capture micro dissection and/or flow sorting of cell populations) and analyse genomic data (duplex and long read sequencing) for somatic evolutionary studies.

About the Studentship: A 3-year studentship is offered, intended to start in January 2025, providing a tax-free stipend of 19,237 per annum plus tuition fees at the UK/International rate. Due to funding restrictions, this studentship is only available as a full-time position.

Project location:Cambridge campus. Prospective candidates who would not be Cambridge-based are encouraged to contact the principal supervisor prior to application (contact details below).

Candidates for this PhD Studentship must demonstrate outstanding qualities and be motivated to complete a PhD within 3 years.

Qualifications: Applicants should have a minimum of a 2.1 Honours degree in a relevant discipline. An IELTS (Academic) score of 6.5 minimum (or equivalent) is essential for candidates for whom English is not their first language.

In addition to satisfying basic entry criteria, the University will look

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BielefeldU Germany CommonTernEcoEvoDynamics

PhD position in the eco-evolutionary dynamics of a natural population of common terns at Bielefeld University, Germany

Project description:

The PhD position is embedded in the DFG-funded research project "Of terns and change: eco-evolutionary dynamics in a rapidly changing environment" led by Dr. Maria Moiron. The recent realization that evolutionary change can relatively rapidly affect ecological and demographic processes and thus determine populations' ability to cope with rapid changes in the environment has led to a swift increase in empirical studies focusing on the feedbacks between ecology and evolution ("eco-evolutionary dynamics"). This project will combine approaches from quantitative genetics and evolutionary demographics to address fundamental questions related to eco-evolutionary dynamics in the wild. The main aim of the PhD project is to address these questions by means of empirical tests using a unique dataset from a long-term study population of common terns (*Sterna hirundo*). The person hired within this project will be working closely with, and be co-supervised by, Prof. Dr. Sandra Bouwhuis from the Institute of Avian Research in Wilhelmshaven, Germany.

Main responsibilities: Research tasks (95 %): - field work as part of an international team in a natural population of common terns - statistical analysis of individual-based, long-term data, incorporating pedigree information - collaboration with other researchers, including at Bielefeld University and at the Institute of Avian Research - preparation of contributions for scientific conferences - writing scientific publications for international journals

Other tasks (5 %): - organizational tasks within the research group

We look forward to receiving your application, which should include a motivation letter and a CV. Full details about the position and application procedure can be found here: https://tinyurl.com/bdd2tdxw . The application deadline is 25.10.2024. Interviews will be held in early to mid-November. We aim to start the project on 01.02.2025.

For further information regarding the application procedure or the project, please contact Dr. Maria Moiron (maria.moiron@uni-bielefeld.de). Lab Websites: https://mariamoiron.weebly.com/ and https://sites.google.com/site/drsandrabouwhuis/ Dr Maria Moiron Research associate, Department of Evolutionary Biology, Bielefeld University (GER) https://mariamoiron.weebly.com/ Maria Moiron <mariamoironc@gmail.com>

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CSIC Spain MicrobialAdaptation

Exploring microbial adaptation to global change factors using genomics and machine learning

We are looking for a Doctoral candidate to work at the interface between microbial ecology and genomics, with emphasis on predictive approaches that apply machine learning techniques. The candidate is expected to analyze massive metagenomic sequencing datasets and to functionally annotate microbial genomes to investigate key genes underlying microbial adaptation to global change factors. The successful applicant will be based at the Center for Advanced Studies of Blanes (CEAB) Girona (Spain), an excellence center from the Spanish Research Council (CSIC). For more information on our research, please visit https://www.ceab.csic.es/-en/personal/josep-ramoneda/ . We are looking for a motivated student holding a master's degree in ecology and evolution, microbiology, bioinformatics, biotechnology, or omics data analysis. Basic knowledge of R and/or python programming languages are strongly valued. Good written and spoken English skills. Ability to work independently and with strong social skills for collaborative teamwork. Motivation to learn and work on novel topics and disciplines. We offer you high-quality technical equipment, including a computational cluster, in a diverse and inclusive working atmosphere by the sunny Mediterranean coast, with support for the communication of your research results at global change conferences and in quality scientific publications. Full support during the entire PhD, where you will learn advanced bioinformatics for microbial ecology, genomics, and predictive models. We can offer an annual gross income ca. 21,000 euro over 4 years variable upon experience and according to CSIC standards.

Your tasks will be the bioinformatical analysis of micro-biome data and global change datasets and the development of genome-based predictive models of microbial adaptation to global change factors. Enrolment in a PhD program of a university of choice in the Barcelona area.

Starting date: Ideally October-December 2024

To apply please submit your CV as a single pdf file and the contact of two scientists that can provide reference of you to Dr. Josep Ramoneda at josep.ramoneda@ceab.csic.es

Josep Ramoneda Beatriu de Pinós fellow Centre d'Estudis Avançats de Blanes (CEAB-CSIC) CONSEJO SUPERIOR DE

INVESTIGACIONES CIENTÃFICAS

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josep.ramoneda@ceab.csic.es

c/ Accés a la cala St. Francesc, 14, 17300, Blanes (Girona)

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DalhousieU FishPopulationGenetics

PhD position in population genomics and abundance estimation via the Close Kin Mark Recapture framework @ Dalhousie University, Department of Biology

Support is available for a PhD position in the Ruzzante lab (https://ruzzante.ca) at Dalhousie University (Halifax, Nova Scotia, Canada) for research on genomics and the estimation of population abundance in an exploited marine fish using the "Close Kin Mark Recapture" framework. The successful candidate will have a background in population genomics and statistics with demonstrated evidence of peer-reviewed publications, strong lab and field skills, and an interest in working collaboratively within a diverse research group.The position is part of a multidisciplinary project and will involve collaboration with colleagues in the Department of Statistics at Dalhousie, as well as at Fisheries and Oceans Canada (DFO), in the Marine Institute at Memorial University of Newfoundland and in Biology at Université Quebec at Rimouski. The position is expected to start in the Spring or Fall of 2025 for the 2025/2026 academic year.

Qualifications: MSc in Evolutionary Biology/ Popu-

lation genomics or related fields. Qualified interested candidates please send (1) a statement of research interests, (2) CV, (3) academic transcripts (unofficial) and (4) names and e-mail addresses of at least two references to daniel.ruzzante@dal.ca

Dr Daniel E Ruzzante, Professor Graduate Coordinator Department of Biology, Dalhousie University, Halifax, NS, Canada - B3H 4R2 6287 Alumni Crescent ph:(902)494-1688 http://ruzzante.ca/ Daniel Ruzzante <Daniel.Ruzzante@Dal.Ca>

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Dartmouth DrosophilaBehavior

The Behrman Lab at Dartmouth (https://sites.dartmouth.edu/behrmanlab/) is looking evoldir@evol.biology.mcmaster.ca genetics, neuroscience, and evolutionary ecology to study mechanisms underlying courtship behavior evolution in Drosophila.

The interdisciplinary nature of our research provides several routes toLab at Dartmouth (https://sites.dartmouth.edu/behrmanlab/) join our lab:

Ecology, Evolution, Environment & Society (EEES) graduate program (https://graduate.dartmouth.edu/eees/)

Molecular & Cellular Biology (MCB) graduate program (https://graduate.dartmouth.edu/mcb/admissions/how-apply/general-information)

Integrative Neuroscience at Dartmouth (IND) graduate program (https://sites.dartmouth.edu/ind/)

Each program differs in their relative focus, but the strength of our research group grows from building connections and insight across these diverse fields of study. We believe the whole is larger than the sum of its parts and we value students with interdisciplinary inquiry and enthusiasm for learning more.

Interested candidates should contact Emily Behrman (Emily.L.Behrman@dartmouth.edu) to discuss which program is the best match for your research interests and goals. Students in EEES will matriculate directly into the Behrman Lab while students entering in MCB or IND will do rotations during their first year before joining a research group.

All PhD programs include tuition, a living stipend, and access to a variety of campus resources in affiliation with the Guarini School of Graduate Studies (https://graduate.dartmouth.edu). Applications are due December 1 for start in the autumn of 2025. GRE scores are not required.

Both the Behrman Lab and Department of Biological Sciences are committed to broadening participation in STEM. We encourage applications from people who share that vision and are committed to diversifying science.

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

email: Emily.L.Behrman@Dartmouth.edu lab website: https://sites.dartmouth.edu/behrmanlab/ Lab at Dartmouth (https://sites.dartmouth.edu/behrmanlab/)

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"Emily L. Behrman" <Emily.L.Behrman@dartmouth.edu>

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EEB MentorMatch Online

The Diversity Committee at American Society of Naturalists (https://www.amnat.org/about/governance/Diversity.html) is happy to announce the 2024 edition of the EEB Mentor Match:

https://eebmentormatch.com/ The program provides support to grad school applicants in the US with their applications for fellowships and grad programs. Signup forms for both mentors and mentees can be found at the link above. Mentors and mentees are matched based on their research interests and backgrounds. More information can be found on our FAQ section:

https://eebmentormatch.com/faq-2/ The program is volunteer based and is really valuable to the students applying, so please consider signing up as a mentor if you have experience with the US grad school system. Also, please spread the word to both potential mentors and mentees. We are happy to answer any questions, so feel free to contact me (ravi.ranjan@utexas.edu) if you have any.

On behalf of the ASN DC, Ravi Ranjan Postdoctoral researcher Department of Integrative Biology University of Texas at Austin

ravi.ranjan@utexas.edu

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FortHaysStateUniv Bioinformatics

Graduate student positions (2-year Master's program) to conduct research in bioinformatics

The Gruenstaeudl lab (https://gruenstaeudl-lab.com/) at Fort Hays State University (FHSU) in Hays, Kansas is starting an NIH-funded research project in the area of genomic data mining and bioinformatic software development and is recruiting graduate students with a strong background in bioinformatics, data science or computer sciencewho are interested in enrolling in a 2-year Master's programstarting in spring 2025.

Details:

The lab is offering three grant-funded graduate student positions for students with a background in bioinformatics, data science or computer science. Each position includes (i) graduate assistantships for the spring and fall semester, (ii) a summer internship, and (iii) university-sponsored tuition waivers (excluding tuition fee) for in-person classes (max. 9 credit hours per semester), each for at least one year of the 2-year degree program. An equal compensation during the second year of the program is possible, contingent on a reasonable research progress. Funding for the attendance of at least one national-level science conference, in which the students will present their research, is also available. The positions are part of the Master of Science in Biology graduate program at FHSU (https://www.fhsu.edu/biology/biology-graduate-studies/), and students can choose graduate-level courses from biology as well as other departments (e.g., computer science or mathematics) to fulfill the degree requirements as long as the selected courses fit the student's graduate research project and the departmental guidelines. The start date of these positions, as well as of enrollment in the graduate program, is the beginning of spring semester 2025.

Students with programming experience in either Python or R are encouraged to contact Dr. Michael Gruenstaeudl m_gruenstaeudl@fhsu.edu to learn more about this opportunity and the research project. To do so, please send a brief message with your academic background and your career goals, your current CV/resume, and an example of a recent coding project of yours (e.g., a GitHub link).

Michael Gruenstaeudl, Ph.D.

Assistant Professor

Department of Biological Sciences

Fort Hays State University

https://gruenstaeudl-lab.com/   Michael Gruenstaeudl <m_gruenstaeudl@fhsu.edu>

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IllinoisStateU MammalianEvolution

MS and PhD openings are available in my research group (Javier delBarco-Trillo) in the School of Biological Sciences at Illinois State University to start in the fall of 2025. My research topics are quite diverse, including sexual selection (sperm competition), olfactory communication, urban ecology/evolution, and animal behavior, normally working with mammalian systems. I'm happy to supervise projects in topics and organisms beyond what you can read in my website (about.illinoisstate.edu/jdelbar) as long as the project is feasible given my expertise and available resources. I'm mostly interested in supporting self-driven, independent, and imaginative students with high proficiency in written and spoken English, and with some previous experience analyzing data.

If interested, please send (jdelbar@ilstu.edu) a copy of your CV, and a one-page cover letter explaining your background, any research outcomes to date, your future research interests and expectations, and what type of research projects you would envision developing in my lab. Please include "Graduate Student Application 2025" in the email subject line. I will make an initial selection of a group of candidates that I think could be a good fit in my lab, set up short zoom conversations with those candidates in October-November, and assist with the formal application process, which deadline is February 1, 2025. Please be aware that there are two strong requirements: 1) GPA requirement: last 60hrs GPA must be 3 or above; 2) English proficiency for international students: TOEFL iBT 90, IELTS 7, or Duolingo 125.

All accepted applicants into our program are guaranteed Teaching Assistantships and full Tuition Waivers. The

length of this support is 6 semesters for MS and 10 semesters for PhD students provided sufficient progress and performance are maintained.

The application procedure, including requirements, is laid out here: https://biology.illinoisstate.edu/-graduate/bio-as-graduate/application-procedure/ You can find more information about the School of Biological Sciences and the Graduate Programs here: https:/-/biology.illinoisstate.edu Javier delBarco-Trillo, PhD Assistant Professor of Evolutionary Physiology School of Biological Sciences Campus Box 4120 Illinois State University Normal, IL 61790-4120, USA

Pronouns: he, him, his email (ISU): jdelbar@ilstu.edu email (personal): delbarcotrillo@gmail.com website: about.illinoisstate.edu/jdelbar ORCID: 0000-0002-9948-6674 tel: +1 (309) 438 2666

Kiel Germany
EvolAntimicrobialResistance

1 PhD position (m/w/d) on antimicrobial resistance evolution at Kiel, Germany

Well-motivated and highly-qualified students from all countries are welcome to apply. We are looking forward to your application for a PhD position to join the Schulenburg group at Kiel University in the beautiful landscape of Northern Germany.

Your profile: - Master of Science degree in Evolutionary Biology or Microbiology. - Experience in evolutionary research and/or bacterial genetics and/or bacterial genomics. - Any of following expertise is an advantage: performance of evolution experiments, biostatistical analysis, bacterial genetics, genome sequence analysis. - Good oral and written communication skills in English. - Motivation to learn and research topics in basic science.

The PhD project aims at understanding how evolutionary principles can be harnessed to constrain bacterial adaptation to antimicrobial drugs. The specific focus is on the influence of mutation rates for resistance against different antimicrobials and associated evolutionary trade-offs, such as collateral sensitivity, on resistance evolution in the model pathogen Pseudomonas aeruginosa. See related publications: https://doi.org/10.7554/-eLife.68876; https://doi.org/10.1038/s41559-021-01511-2; and https://doi.org/10.1128/spectrum.00143-24. The position will be integrated within the graduate school on Translational Evolutionary Research (https://-transevo.de/), providing numerous opportunities for exchange with colleagues working on related topics.

The PhD position is based in the Schulenburg group (Kiel University, Northern Germany) for a period of 36 months at the earliest possible date, and at the typical pay-grade of 65% 13 TV-L. Research in the Schulenburg group focuses on the evolution of host-microbe interactions and antimicrobial resistance evolution, combining experimental evolution, genomics, and functional genetic analyses. See: https://evoecogen-kiel.de/. The working language of the group is English.

Kiel University sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social background, religion, ideology, disability or sexual identity. We promote equality of the sexes. Kiel University is committed to the employment of people with disabilities. Preference will be given to applications from severely handicapped persons and persons of equal standing, provided they are suitable. We expressly welcome applications from people with a migration background.

For enquiries regarding the position and research topic please contact Prof. Dr. Hinrich Schulenburg: hschulenburg@zoologie.uni-kiel.de

Applications should be sent by email to Hinrich Schulenburg (hschulenburg@zoologie.uni-kiel.de) as a single PDF. Please use 'PhD application AMR evolution - [your name]' as a subject. Applications should include: (1) A letter of motivation (max 1 page, Arial 11, line spacing 1.15). In your motivation letter, please explain how your background fits the required profile and how your research interests align with the group research focus. (2) Curriculum vitae, including names and contact details of 1-2 referees. (3) Master certificate (or current grades transcript in case of ongoing studies)

Application deadline: 18. October 2024.

Hinrich Schulenburg <hschulenburg@zoologie.uni-kiel.de>

Kellermann (v.kellermann@latrobe.edu.au).

V.Kellermann@latrobe.edu.au

LaTrobeU Australia DrosophilaEvolution

PhD The mechanisms underpinning the evolution of desiccation tolerance in Drosophila species.

As climates change, insects are faced with increasingly hot and dry conditions. The capacity to tolerate these conditions will dictate insects' vulnerability to climate change. While most research focuses on species' vulnerability to heat, desiccation tolerance (the capacity to tolerate dry conditions) will also be a critical determinant of species' vulnerability. Previous research has shown that Drosophila can rapidly shift their desiccation resistance in response to prior exposure to desiccation stress, but how they do so is unknown. Working with different species of Drosophila adapted to a range of environments and with varying levels of desiccation tolerance and plasticity, this project will investigate the mechanisms underpinning desiccation tolerance and the associated plastic response. The project will also examine whether there are trade-offs between baseline desiccation tolerance and the plastic response and how this impacts adaptive responses to climate change.

We are seeking a student who is highly motivated and passionate about evolutionary biology. Preferred candidates will have experience in evolution, ecology and physiology, although expertise in these areas is not necessary. The project could involve a combination of fieldwork and lab-based experiments. There will be opportunities for the successful applicant to pursue their own scientific ideas within the project's aims. The successful candidates will be based at La Trobe University, supervised by Dr Vanessa Kellermann and co-supervised by Dr Belinda van Heerwaarden (The University of Melbourne).

This position is open to domestic and international candidates. To be eligible for this scholarship ($35,000 p/a), applicants must meet the entry requirements for a PhD at La Trobe University. To apply, please send the following to Dr Kellermann (your application will not be considered without ALL of them): 1) Copy of MSc and Bsc academic transcripts; 2) Full CV; 3) Details of 2 people who may be contacted to provide academic references; 4) A cover letter explain why would like this position.

Application should be made directly to Dr Vanessa

LaurentianU Multiple AquaticDiversity

*PhD and MSc opportunities available for collaborative NSERC Alliance project entitled, CRADLES: Conservation and Restoration of Aquatic Diversity in the face of Legacy and Emerging Stressors *

In response to the United Nations call to action to restore the productive capacity of degraded ecosystems and to help halt continued global biodiversity losses, we have initiated a collaborative, multi-institutional research network aimed at developing novel, holistic approaches for biodiversity assessment in freshwater systems and their surrounding catchments. These will be used to establish restoration targets, evaluate the benefits of pollution control, and help inform the creation of networks of protected areas.

We are currently seeking *2 PhD *and *3 MSc domestic students* (i.e. Canadian citizens or permanent residents). Students will be hosted at Lakehead University (M. Rennie) or Laurentian University (B. Edwards, J. Gunn, T. Johnston, J. Litzgus), depending on the particular project. Supervision of projects will include PIs from more than a single institution, and will reflect the collaborative, team-based approach to the research, both in lab and field environments. Additional project collaborators are located at Queen's, Laurier, Ontario Tech and Acadia universities, and in MNR and MECP. Field work will begin in Spring of 2025, and will be conducted in the Sudbury area. As such we are recruiting students interested in starting January 2025 (PhD students especially) and no later than May 2025. Ideal candidates will have a strong background in aquatic ecology and an interest in benthic and/or pelagic bioindicators from invertebrates up to fish and amphibians, molecular techniques, and population and community responses to environmental change. Quantitative skills in statistical analysis are desired but can be provided through training programs at the respective institutions.

PhD1 will focus on developing novel paleoecological methods incorporating eDNA for the reconstruction of past communities of anuran, fish and macroinvertebrate

taxa to inform recovery targets. *MSc 1-3 *will focus on temporal and spatial assessments of the recovery trajectories and contemporary environmental drivers of fish, anuran and avian communities, respectively. *PhD2* will develop and test rapid bioassessment techniques as well as food-web and multi-trophic indicators of ecosystem integrity and functional biodiversity. Because of the collaborative and immersive nature of the work in both the field and lab, these are in-person graduate positions.

Interested students should send a CV, cover letter expressing interest, relevant skills and project(s) of interest (i.e. identify the PhD or MSc position from this ad), as well as a copy of unofficial transcripts to *Jackie Litzgus (jlitzgus@laurentian.ca)*. Please include "CRADLES graduate interest" as the subject line. Review of applications will occur as they are received, but only those selected for an interview will be contacted. While the positions are targeted at domestic students, we encourage all qualified applicants from diverse cultural backgrounds and gender identities, Indigenous persons, women and visible minorities to apply.

Dr. Jacqueline D. Litzgus (she/her) Full Professor of Biology, School of Natural Sciences Director, CFEU @ Vale Living With Lakes Centre Jane Goodall Research Fellow in Conservation Biology Laurentian University 935 Ramsey Lake Road Sudbury, Ontario, P3E 2C6, Canada https://laurentian.ca/faculty/jlitzgus CONFIDENTIALITY NOTE - AVIS: COURRIEL CONFIDENTIEL.—You can view the confidentiality terms at https://laurentian.ca/confidentiality Notre avis de confidentialité est disponible au site https://laurentienne.ca/avis Jackie Litzgus <jlitzgus@laurentian.ca>

plant-associated microbes, and employ high-throughput plant phenotyping systems to investigate the ecological and evolutionary mechanisms driving species interactions within microbiomes, microbiome assembly, and biodiversity-ecosystem function relationships.

We invite applications from highly motivated individuals interested in pursuing a PhD in our lab starting in Fall 2025. Incoming students will have the opportunity to develop their own research projects and contribute to our existing research efforts. Competitive stipends are provided through research and teaching assistantships, with additional fellowships available for exceptional candidates. GRE scores are no longer a requirement for our graduate program admissions. For more details about our graduate program, application process, and deadlines, please visit our graduate program page. Prospective applicants are encouraged to reach out to Jiaqi Tan at jtan7@lsu.edu with their CV, unofficial transcripts, and personal statement.

Lab website: https://www.tanlabecology.com/home Information about our graduate program: https://www.lsu.edu/science/biosci/programs/graduate/index.php Jiaqi Tan

Assistant Professor

Department of Biological Sciences

Louisiana State University

Email: jtan7@lsu.edu

Jiaqi Tan <jtan7@lsu.edu>

Munich CuticleEvolution

LouisianaStateU PlantMicrobiomeSymbiosis

LSU Plant-Microbiome Symbiosis

The Tan Lab at LSU is seeking one PhD student to join our dynamic research team in Fall 2025.

Our current research focuses on plant-microbiome symbiosis, with a particular emphasis on the fitness impacts of microbial communities on plants in the context of climate change. We use synthetic community approaches, involving isolating and cultivating diverse

PhD position available

Evolution of transpiration barrier properties in Aeonium (Crassulaceae) - integrating cuticle chemistry and structure by means of Raman spectroscopy

The cuticle is the most important transpiration barrier of plants. Structure and composition of plant cuticular waxes have been shown to influence the transpiration barrier function of the cuticle. We aim to study the role of crystalline wax moieties relative to amorphous wax moieties for the permeance of the cuticle to water. While the genetic basis of cuticular wax biosynthesis and elongation of aliphatic components is increasingly

well understood, large-scale studies of cuticular wax chemistry and the corresponding transpiration barrier properties have been unsuccessful in establishing a direct association. While the composition of cuticular waxes is studied by extraction and subsequent chromatographic analysis, the structure of cuticles has been mostly studied using electron microscopy, both being destructive methods. Raman spectroscopy and its applications to the study of plant structure and biochemistry are an emerging field in plant sciences and have recently started to show high potential for in-vivo analysis of the plant cuticle. Raman imaging mapping is well suited to spatially resolve the chemical properties and degree of crystallinity or amorphia in multi-layered objects such as the plant cuticle. It is a minimally invasive method (0.9 $\hat{I}\frac{1}{4}$m Spotsize with 100 objective) that only requires simple preparation of the specimen and can therefore be applied to plants from which cuticular membranes cannot be isolated, as is the case in Aeonium.

Aeonium is a genus of succulent plants belonging to the most species-rich plant lineage that diversified in the Macaronesian floristic region. It represents a classic case of radiation into different ecological niches. Among 32 of the 41 accepted species of Aeonium, minimum conductance to water has been shown to diverge by two orders of magnitude, underpinning the vast ecological diversity in this genus. Aeonium species also express Crassulacean Acid Metabolism (CAM) to varying degrees, and minimum conductance was shown to be negatively correlated with the level of CAM expressed relative to C3 photosynthetic carbon fixation. This implies that cuticular transpiration barrier properties likely are under selective pressure in the diversification of CAM plant lineages.

With this project, we want to (1) test the hypothesis of cuticular wax crystallinity as predictor of cuticular permeance to water and to (2) trace the evolution of and selection pressure on genes underlying cuticular wax biosynthesis that are relevant for the protection against water loss in an ecologically diverse lineage.

Eligibility We are looking for a highly motivated candidate with a Master of Science degree in Biology or a related scientific field, fluency in English, an interest in plant physiology, spectroscopic techniques and genomics and a relevant background in plant ecology and evolution. Experience with molecular biological lab methods is essential. Previous experience with spectroscopic lab techniques, analytical chemistry, experimental plant physiology or advanced bioinformatic skills will also be viewed favourably.

Position details

Supervision: This project will be conducted under the primary supervision of Dr. Thibaud Messerschmid (Botanical Garden Munich-Nymphenburg) and PD Dr. Melanie Kaliwoda (Bavarian State Collection for Mineralogy), as well as Prof. Dr. Gudrun Kadereit (LMU Munich).

Location: The Kadereit Working Group at the Institute of Systematics, Biodiversity and Evolution of Plants, Ludwig Maximilian University of Munich (Menzinger Straße 67, 80638 Munich, Germany) and the Botanical Garden Munich-Nymphenburg (Menzinger Str. 65, 80638 Munich)

Time-frame: 3 years, November/December 2024

Salary: 65% TVL-E13

Application To apply for this position, please prepare the following (in English): 1. A short (1-2 page) cover letter explaining your motivation for applying for this PhD position 2. Your CV, including 1-2 referees and a publication list (if applicable) 3. A certificate of completion and degree certificate (if not available yet, please state that in your cover letter)

Email your application documents as one PDF to Dr. T. Messerschmid (messerschmid@snsb.de).

Applications close October 18th, 2024.

For further information regarding the application procedure or the project, please contact Dr. T. Messerschmid (messerschmid@snsb.de). This position is funded by the Bavarian Natural History Collections (SNSB).

Kind regards, Thibaud Messerschmid

Dr. Thibaud Messerschmid Botanischer Garten München-Nymphenburg Postal address: Menzinger Str. 61 80638 München Tel.: +49 89 17861-370

"Messerschmid, Thibaud" <messerschmid@snsb.de>

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NorthCarolinaStateU FishConservationGenomics

The Mamoozadeh Lab at North Carolina State University (NC State) is accepting applications for a MSc or PhD student to begin August 2025 (fall semester). The Mamoozadeh Lab leverages genomics and bioinformatics to explore questions related to the ecology and evolutionary biology of aquatic species, particularly fishes of conservation or management concern. Research themes

representative of the lab include exploring how genetic diversity is distributed across space and time, evaluating the role of climate and other landscape features in shaping adaptation, and assessing the effectiveness or likely impact of management actions. This research is often conducted in close collaboration with state and federal fisheries management agencies. Students work in lab and field environments, and build transferable skills in creativity, leadership, and communication, as well as highly marketable skills in field biology, genetics/genomics, and bioinformatics. The Mamoozadeh Lab is housed within the Department of Applied Ecology at NC State (https://cals.ncsu.edu/applied-ecology/), which also houses the USGS Southeast Climate Adaptation Science Center and the USGS North Carolina Cooperative Fish and Wildlife Research Unit, offering abundant opportunities for integrative and applied research in fisheries contexts. The selected applicant will work directly with Dr. Nadya Mamoozadeh on the NC State campus located in Raleigh, North Carolina.

Qualifications: Applicants should have a BSc degree in the field of biology, ecology, evolution, environmental science, fisheries, natural resources, genetics/genomics, bioinformatics, or a related field. The selected applicant will be expected to develop and lead independent research in the fields of fish ecology, conservation genomics, and fisheries management. Prior molecular lab experience is strongly preferred, as well as quantitative skills (such as in R or bioinformatic analyses), or at least an authentic interest in developing these skills. Field experience will be viewed as a plus. Competitive candidates will have strong communication and leadership skills, as well as the ability to work independently. We are a very interactive lab and are looking for an enthusiastic scientist who cares about fisheries conservation and management. We are also a lab that celebrates diversity and inclusion, and we warmly invite lab members to contribute to this culture.

Support: Students in the Mamoozadeh Lab receive a stipend, tuition, and health insurance, as well as support for professional travel. This support may come through a mix of teaching assistantships, research assistantships, and other sources.

How to Apply: Interested students should email the following to Dr. Nadya Mamoozadeh (nmamoozadeh@gmail.com) as a single PDF and using the subject line ?Fisheries Genomics Student?: 1) Brief cover letter describing research interests, accomplishments, career goals, and how working in the Mamoozadeh Lab will help you achieve these goals 2) Resume/CV 3) Unofficial transcripts 4) Writing sample (e.g., published paper, manuscript in preparation, MSc or undergraduate thesis, or research paper or essay from a relevant course) 5) Names and email addresses for three professional references

Applications should be received before 25 October 2024 to receive full consideration. Top candidates will be invited to discuss their qualifications and interests in a virtual interview. This informal selection process will be completed before the deadline for the official NC State graduate school application, which is 15 January 2025.

Inquiries: Informal inquiries to learn more about the position are welcomed (but not required) and should be sent to the email listed above.

"Mamoozadeh, Nadya" <mamooz@msu.edu>

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OhioStateU EvolutionaryGenomics

The Pease Lab (https://www.peaselab.org) in the Department Evolution, Ecology, and Organismal Biology at The Ohio State University in Columbus, OH is seeking to recruit Ph.D. graduate students interested in studying plant and animal evolutionary genomics using new integrations of phylogenomic, population genomic, and transcriptomic techniques. Existing projects in the lab currently focus on the genomic evolution of plants under environmental stress, molecular evolution of vertebrate muscle physiology, and modeling of gene-trait disordance in phylogenomic data sets. We also welcome students who are interested in developing their own questions in evolution and genomics complementary to our lab goals.

The Ohio State University EEOB Department (http://www.osu.edu/eeob) has a strong community of faculty and student researchers. The facilities, collections, resources, and huge community of resaerchers at OSU provide an array of options for students to develop an integrative and innovatve research program. Columbus is an welcoming, exciting, and affordable city that surprises folks coming from both larger and smaller communities with its liveability.

Interested students are encouraged to contact Dr. James Pease <pease.25@osu.edu> to learn more about our lab and the EEOB program (or the MCDB interdisciplinary program). Please send a brief message of introduction of your research and/or career goals and a current CV or resume.

Application deadlines for the EEOB program is ***
November 15, 2024 ***. (Note the early deadline.)

James Pease, Ph.D. (He/Him) Associate Professor Department Evolution, Ecology, and Organismal Biology The Ohio State University https://www.peaselab.org "Pease, James" <pease.25@osu.edu>

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Oslo
GalapagosEvolutionaryGenomics

Would you like to do a PhD with Galápagos and evolutionary genomics? Join me in Oslo:

PhD Research Fellow in Evolutionary Genomics and Island Biology

* <what>* Some of the most diverse lineages on our planet (e.g. Darwin's Finches and Hawaiian Silverswords), are found in oceanic archipelagos. Paradoxically, species in these regions often have small population sizes, frequently experience bottlenecks and founder events, and are prone to inbreeding all factors typically detrimental to genetic diversity. How, then, can these remotely located lineages, subject to such genetic constraints, maintain enough diversity to radiate and evolve? This project aims to explore this fascinating paradox.

* <how>* This project study will integrate a variety of molecular and bioinformatic approaches, benefiting from a large herbarium collection. We will utilize: 1) population genomic tools, such as ancestral recombination graph-based inferences, to estimate the age of haplotypes and genetic variation; 2) conduct simulations of genomic data using software like SLiM and msprime; 3) examine the role of structural variants and pangenomes in genetic variation.

* <benefits>* Possibilities to attend a conference each year Strong supervisory support and mentoring to pursue an academic career; Salary NOK 532 200 - 575 400 per annum depending on qualifications and seniority as PhD Research Fellow (position code 1017) Attractive welfare benefits and a generous pension agreement Vibrant international academic environment Career development programmes Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

All information you need to know, including how to apply, is found here: https://www.jobbnorge.no/en/available-jobs/job/268466/phd-research-fellow-in-evolutionary-genomics-and-island-biology If you have any inquiries you can reach me at jose.cerca@ibv.uio.no You can read more about us here islandevolution.github.io

My very best, José

islandevolution.github.io [group website]

jcerca.github.io [personal website]

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

Evolutionary Biologist

University of Oslo

Recently published (May 2024) ::: Why Do Some Lineages Radiate While Others Do Not? Perspectives for Future Research on Adaptive Radiations < https://pubmed.ncbi.nlm.nih.gov/38692838/ >

Recently published (May 2024) ::: Consistent accumulation of transposable elements in species of the Hawaiian Tetragnatha spiny-leg adaptive radiation across the archipelago chronosequence < https://academic.oup.com/evolinnean/article/3/1/kzae005/7681133?login=false >

José Cerca <jose.cerca@gmail.com>

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SMNS Germany
SpeciationHybridizationGenomics

We are looking for a highly motivated Ph.D. student to join our research group "Hybridization and Speciation" at the State Museum of Natural History Stuttgart (SMNS), Germany.We will explore the hybrid zone dynamics and the role of color pattern as an initiator of species formation, using two songbirds - black-headed bunting Emberizamelanocephala and red-headed bunting E. bruniceps - and genomic data from fresh and museum samples. Join us in demonstrating how natural history collections can provide windows on how species are formed, and how they persist in the face of environmental change (to learn more: https://pereiralab.wixsite.com/rpereiralab/hybrid-zone-dynamics-in-buntings).

This project will be supervised by Niloofar Alaei Kakhki and Ricardo Pereira and will provide training on: sampling of fresh and museum samples, colour measurement, museomics molecular methods, population genomics, bioinformatics and phenotype-genotype association. Therefore, any experience in related fields is highly desirable. The successful student will have completed their Master's degree in Evolutionary Biology, Bioinformatics, or equivalent discipline. The position is funded by a DFG grant, and thus salary is paid according to the German salary scheme for the public sector for doctoral research (65% E13 TV-L)and is guaranteed for 3 years (https://www.naturkundemuseum-bw.de/en/jobs).

Application:

Applications should be sent by email to— niloofar.alaei@smns-bw.de—with the subject header "BUNTING PHD", until—15th October 2024, with a single pdf including:

1. A letter of motivation(including a brief statement of how the applicant might approach the project)

2. A current CV (including grades and experience with laboratorial, bioinformatics and field work)

3. The names and contact details of two referees.

Interviews will be held of January around the 25th of October. We aim to start the project on the 1st of January of 2025.

For more questions, please contact— niloofar.alaei@smns-bw.de.

Lab Website:—https://pereiralab.wixsite.com/-rpereiralab Nilofar Alayee <nifanilo@yahoo.com>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

StonyBrookU NewYork ComputMicrobialEcolEvol

The Microbial Genomes And Metagenomes to Unravel Traits Lab (mGAMUT Lab; PI: JL Weissman) at Stony Brook University has funding for PhD students to begin Fall 2025 (application deadline December 1, 2024). Interested applicants can apply through the doctoral program in Ecology & Evolution (https://www.stonybrook.edu/-commcms/ecoevo/_program/phd-programs.php).

Please note that it is expected that successful applicants in E&E will have reached out to a prospective adviser to discuss fit before applying. For more information about what that email should look like, visit: https://-microbialgamut.com/join.html Our lab develops new computational tools to infer what microbes are doing and can do directly from genomic and metagenomic data (e.g., https://github.com/jlw-ecoevo/gRodon2), aiming to improve the representation of microbes in global biogeochemical models. Ongoing projects involve developing computational methods for microbial trait prediction from genomic and metagenomic data and applying these tools to large-scale datasets to derive new insights about microbial ecology and evolution. Our group also has ongoing projects that use a combination of comparative genomics, population genetics,and mathematical models to understand the ancient and ongoing battle between microbes and their viruses. To learn more about our research visit: https://-microbialgamut.com/ *Jackie Lee Weissman (they/she), Ph.D.* *Assistant Professor, Stony Brook University* *Department of Ecology & Evolution* *Institute for Advanced Computational Science (IACS)* https://-microbialgamut.com/ *(We are recruiting!)* *@jlw-ecoevo.bsky.social* jackie.weissman@stonybrook.edu

Jackie Lee Weissman <jackie.weissman@stonybrook.edu>

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StonyBrookU NewYork Evolution

The Graduate Program in Ecology and Evolution at Stony Brook University is recruiting doctoral and master's level graduate students for Fall 2024.

The department has a productive and diverse faculty working on a broad array of questions involving humans and primates, microbes, plants, vertebrate and invertebrate animals and whole ecosystems. Field locales span the globe from the Old and New World tropics to the Arctic and Antarctic polar regions, as well as the uplands, wetlands, and coastal areas of Long Island and New York. Within a train ride of New York City, Stony Brook is a diverse campus, and we are implementing programs to build an even more diverse program in the future.

Upon admission, PhD students are guaranteed teaching assistantships, with additional support available through fellowships and research assistantships, as they become available. The deadline for applications for the PhD

program is December 1, 2024. The priority deadline for the MA program is January 15, 2024; MA applications are considered on a rolling basis until April 15, 2025. Application fees may be forgiven for applicants that meet specific guidelines.

It is highly recommended that applicants contact faculty and identify potential advisors before applying. Faculty are more than willing to entertain questions about the general program and about their own specific labs and research. A listing of graduate program faculty can be found here: https://www.stonybrook.edu/commcms/ecoevo/_people/ We provide specific guidance about your application, describe the evaluation process and outline specifics of funding on the application webpages for the programs. Ph.D.: https://www.stonybrook.edu/commcms/ecoevo/_program/apply_to_phd_program.php M.A.: https://www.stonybrook.edu/commcms/ecoevo/_program/apply_to_masters_program.php For questions or assistance with the application process, please e-mail our Graduate Program Coordinator, Melissa Cohen melissa.j.cohen@stonybrook.edu.

Stephen B Baines. Assoc. Professor, Ecology and Evolution, Stony Brook University Life Sciences Bldg 636/Lab 102, Stony Brook, NY 11794-5245 Phone (631) 632-1092/Fax (631)632-7626 http://life.bio.sunysb.edu/ee/baineslab/ stephen.baines@stonybrook.edu

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StuttgartStateMuseum ConservationGenomics

PhD Conservation genomics & biology Stuttgart State Museum Germany

PhD position (m/f/d) in conservation biology and population genomics of bryophytes within the Bryophyte Diversity Change and Evolution research group, Botany department (Salary scale E 13 TV-L, 50%, limited to 3 years)

State Museum of Natural History Stuttgart

Homepage: www.naturkundemuseum-bw.de/en/ Project and job description:

The doctoral position is assigned to the project "How to prevent species from extinction: A pilot study on Schistidium spinosum" in the Bryophyte Diversity Change and Evolution research group of the Botany department. The research of our group focusses on the diversity and range shifts of species, and the evolutionary potential to respond to environmental changes. We are particularly interested in the effects of habitat fragmentation, land-use and climate change in natural and anthropogenic ecosystems, with a focus on mountain habitats and epiphytic communities. In addition, we study the diversity and evolutionary processes in different bryophyte groups, especially in our model system Schistidium.

The project is dedicated to the conservation biology of the critically endangered moss species Schistidium spinosum, which is confined to a few occurrences in Central European mountain ranges. We aim to investigate the reasons for its rarity, identify the threats and compare the spatial and genomic population structure to evaluate the fitness and isolation of subpopulations. The results will be used to develop specific conservation strategies to enable the long-term conservation of the species.

The successful applicant will work on the topic as part of his/her own research project, combining extensive field- and labwork with analyses of ecological and genomic data.

The doctoral student will be based at the Botany Department of the SMNS, but should enroll in a doctoral program of University of Hohenheim (https://www.uni-hohenheim.de/en/natural-science-doctoral-degree-program). The project will be supervised by Dr. Thomas Kiebacher (https://www.naturkundemuseum-bw.de/forschung/botanik/team-botanik/thomas-kiebacher).

Requirements:

M.Sc./Diploma degree or equivalent in biology or related program by the time of the start of the project

ï¿ $\frac{1}{2}$ Experience in conducting observational and experimental studies with plants

ï¿ $\frac{1}{2}$ Experience in field and laboratory work

ï¿ $\frac{1}{2}$ Experience in genetic or genomic data acquisition and analyses

ï¿ $\frac{1}{2}$ Statistical and analytical skills (experience in R is a plus)

ï¿ $\frac{1}{2}$ Experience/interest in bryology

ï¿ $\frac{1}{2}$ Knowledge of the English language; knowledge of German is an advantage

ï¿ $\frac{1}{2}$ Teamwork and communication skills

ï¿ $\frac{1}{2}$ Interest in working with conservation authorities and other stakeholders

Our offer:

The opportunity to pursue your academic career in an internationally renowned research museum An interdisciplinary and cooperative, team-oriented research environment Opportunity to attend national and international conferences

Intensive academic and personal mentoring

Attractive workplace in the centre of Stuttgart with flexible and family-friendly working hours A subsidised public transport ticket (JobTicket BW)

The salary is based on the German civil service salary scale E13 TV-L, part-time (19,75 h/week) for research. The position is limited to three years. Applications in German and English are equally welcome. Please send your application, including a cover letter, CV and certificates exclusively online (in one file, max 10 MB) to phd.rotkaeppchenmoos@smns-bw.de by September 11, 2024. Job interviews are scheduled for September 25, 2024. Invited candidates should give a max. 15-minute presentation on their research background, their interest in the project and their methodological skills.

For further information, please contact Dr. Thomas Kiebacher: 0049-(0) 711 8936 209, thomas.kiebacher@smns-bw.de.

The SMNS promotes equal opportunities for its employees and therefore welcomes applications from all people regardless of their gender, cultural and social background, age, religion, ideology, disability or sexual identity. As the promotion of equality between women and men is of particular concern to us, we expressly encourage qualified women to apply. Severely disabled applicants will be given preference if equally qualified.

The State Museum of Natural History Stuttgart (SMNS) is one of the largest natural history museums in Germany and conducts collection-based research in the areas of systematics, taxonomy, biodiversity and evolution. The SMNS also cooperates closely with the University of Hohenheim in

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TrentU LithopsEcoEvoGenomics

PhD project - Eco-evolutionary and conservation dynamics of desert succulents (Lithops spp.) from southern Africa

The Integrative Wildlife Conservation lab at Trent University, in collaboration with the Lithops Research and Conservation Foundation, is offering a unique PhD project on the eco-evolutionary and conservation dynamics of Lithops spp., a genus of small succulent plants occurring in isolated colonies across desert landscapes in southern Africa. In the wild, Lithops are susceptible to human collection, habitat loss, and climate change, with many populations and species currently subject to high extinction risk. There are important knowledge gaps related to Lithops phylogeny and ecology that are currently impacting rigorous conservation status assessment and protection. Trent University is among only a handful of facilities worldwide housing Lithops plants and seeds originating from wild colonies, providing a truly unique opportunity to address integrative questions related to evolution, population genetics, and conservation biology in a controlled, rigorous and impactful context. The PhD project may include investigations related to genome sequencing, phylogenetics, conservation genetics, evolutionary divergence and linkage analysis, and adaptation to harsh environmental conditions, and the candidate will have the opportunity to develop specific research questions based on their interest and expertise.

Successful candidates MUST have an MSc in Biology, Genetics, Conservation, or related field, demonstrated evidence of peer-reviewed publications, strong lab and field skills, and an interest in working collaboratively within a large and diverse research group. Additional desirable qualifications include DNA extraction and library preparation, bioinformatics and GIS skills.

To apply, send a cover letter, curriculum vitae, unofficial academic transcript, and contact information for 3 references to: Dennis Murray (dennismurray@trentu.ca).

For additional details, see www.dennismurray.ca and www.lithopsfoundation.com . The position will be filled as soon as a suitable candidate is found.

Tucker Cambridge <tuckercambridge@trentu.ca>

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TuftsU Speciation

KEY WORDS: Later-stage speciation, molecular/population genetics, insect behavior

POSITION: I am seeking to recruit two PhD students interested in studying speciation, and specifically, in the processes that explain why reproductive barrier effects accumulate between populations and lead to stronger overall reproductive isolation. Please see the references listed below for studies our lab has published on this topic. My lab group is in the Department of Biology (https://as.tufts.edu/biology/) at Tufts University, located in Medford, MA. We use a combination of field studies, laboratory experimentation, and bioinformatics analyses to study the genetic, environmental, and demographic factors shaping diversity.

SUPPORT: Our department is committed to supporting students throughout their dissertation research. Students admitted to the PhD program receive full tuition scholarships, a competitive stipend that includes summer pay, and health coverage, all guaranteed for six years. The stipend is supported by working as a teaching assistant, or in many cases, by paid research assistantships. More information about applications, including due dates and aid, can be found here: https://as.tufts.edu/biology/prospective-students/graduate-admissions-and-aid ELIGIBILITY: Most critically, you will have a curious mind and a willingness to seek answers to questions that lack adequate explanations. Students must also have an ability to work with others and a strong sense of humor, both of which are needed to make science fun and worthwhile. A background or experience in molecular biology, evolution, or ecology is preferred, as is prior research experience. Highly relevant experience includes the application of molecular techniques or the collection/analysis of genome data. Enthusiasm for insects and field work is a big plus. Positions are open to domestic and international students. Students from diverse backgrounds are strongly encouraged to apply, including students with disabilities, from geographically underserved jurisdictions, and BIPOC and LGBTQ+ people.

CAREER DEVELOPMENT: PhD training with me can facilitate multiple career directions. Students will be mentored to understand jobs in private industry, academia (research/teaching intensive), non-profit organizations, and governmental sectors. I have ties to each of these different groups, allowing for exploration through informal interviews and networking. Tufts has numerous existing activities and resources to support a vibrant environment for training and development, including programming on grant writing, academic and industrial career development, mentoring, and responsible research.

REQUIRED PRE-APPLICATION: Before November 15, send an email to erik.dopman (at) tufts.edu and include, as attachments, the following two documents: 1. Using no more than 1 page, describe your current research interests and how your prior experiences and training have prepared you for a PhD (ideally, on the topic of speciation). 2. Your resume or CV.

REFERENCES:

1) Dopman, E. B., Shaw, K. L., Servedio, M., Butlin, R. K. and Smadja, C., 2024. Coupling of barriers to gene exchange: Causes and consequences. Cold Spring Harbor Perspectives in Biology, pp.1-28. doi: https://doi.org/10.1101/cshperspect.a041432 2) Kunerth, H.D., Bogdanowicz, S.M., Searle, J.B., Harrison, R.G., Coates, B.S., Kozak, G.M. and Dopman, E.B., 2022. Consequences of coupled barriers to gene flow for the build-up of genomic differentiation. Evolution, 76(5), pp.985-1002. https://doi.org/10.1111/evo.14466 3) Unbehend, M., Kozak, G.M., Koutroumpa, F., Coates, B.S., Dekker, T., Groot, A.T., Heckel, D.G. and Dopman, E.B., 2021. bric ï¿½$\frac{1}{2}$ brac controls sex pheromone choice by male European corn borer moths. Nature Communications, 12(1), p.2818. https://doi.org/10.1038/s41467-021-23026-x 4) Kozak, G.M., Wadsworth, C.B., Kahne, S.C., Bogdanowicz, S.M., Harrison, R.G., Coates, B.S. and Dopman, E.B., 2019. Genomic basis of circannual rhythm in the European corn borer moth. Current Biology, 29(20), pp.3501-3509. https://doi.org/10.1016/j.cub.2019.08.053 5) Dopman, E.B., Robbins, P.S. and Seaman, A., 2010. Components of reproductive isolation between North American pheromone strains of the European corn borer. Evolution, 64(4), pp.881-902. https://doi.org/10.1111/j.1558-5646.2009.00883.x CONTACT: Erik Dopman with questions at erik.dopman (at) tufts.edu

Erik Dopman, PhD Department of Biology Tufts University

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UAdelaide Australia Two AncientDNAMammals

UAdelaide.Australia.Ancient.DNA.Mammals

We are currently looking for two enthusiastic PhD students to work on a new project preventing extinctions of Australia's threatened mammals with DNA.

These PhD projects will be based at the University of Adelaide's Environment Institute and Australian Centre for Ancient DNA. They will be part of a recent Linkage Project funded by the Australian Research Council, involving several senior and postdoctoral scientists, and conservation practitioners. The successful candidates will work closely with this diverse and highly skilled group of researchers.

Background: Australia's unique mammals have suffered the highest rate of recent extinctions of any continent. Reversing further declines, and averting new extinctions, requires more detailed understanding of past distributions and preferred habitats. These PhD projects will use ancient DNA extracted from sediment and bulk-bone deposits to reconstruct changes in mammal and plant diversity across Australian landscapes through time. Their significance is that they will establish historical distributions and habitats of Australian threatened mammals at geographic scales and spatial resolutions needed for evidence-based ecological restoration.

Position 1: Establishing past mammals and their habitats using sedimentary DNA Ancient DNA from sedimentary archives is now providing information on the former distribution and diversity of life that was previously invisible in the fossil record. This PhD project will leverage methodological breakthroughs in sedimentary ancient DNA to provide a direct window into how pre-European patterns of mammal and plant diversity once varied across Australian landscapes. Specifically, the successful PhD candidate will use high throughput analysis of sediment and high performance computing to generate inventories of pre- and post-European assemblages of Australian native mammals and their vegetation communities at a geographic scale never done before. This will deliver the very information conservation organisations need to optimise future efforts to restore and safeguard Australia's most threatened mammals. Supervision and mentoring: will be provided by A/Prof. Damien Fordham, Dr Jamie Wood and A/Prof. Jeremy Austin at the University of Adelaide's Environment Institute and Australian Centre for Ancient DNA. These supervisors and their labs are international leaders in the fields of environmental genomics, ancient DNA and biodiversity conservation. They will collaborate with staff from Australia's three largest non-profit conservation organisations: Bush Heritage, World Wildlife Fund-Australia, and the Australian Wildlife Conservancy.

Position 2: Quantifying losses of mammals at key conservation areas using bulk bone metabarcoding Bulk bone metabarcoding is enabling effective species identification of fragmentary bones from archaeological and paleontological excavations. This project will establish past mammal assemblies by applying these new ancient DNA techniques to highly fragmented and morphologically indistinct late-Holocene aged fossil bones collected from caves across Australia. Specifically, the successful PhD candidate will use bulk bone metabarcoding and high performance computing to generate inventories of pre-European assemblages of Australian native mammals in priority conservation areas, spanning broad climates and environments. New scientific understandings will allow current-day patterns of mammal diversity to be contextualised, recovery targets for threatened species strengthened, reintroduction programs optimised. Supervision and mentoring: will be provided by A/Prof. Damien Fordham, Dr Jamie Wood and Dr Liz Reed at the University of Adelaide's Environment Institute and Australian Centre for Ancient DNA. These supervisors and their labs are international leaders in the fields of environmental genomics, ancient DNA, biodiversity conservation and paleoecology. They will collaborate closely with staff from the Australian Museum and NSW National Parks and Wildlife Service, as well key conservation organisations.

More information can be found here: https://scholarships.adelaide.edu.au/Scholarships/postgraduate-research/faculty-of-sciences-engineering-and-technology-set/arc-phd-3 Email applications to A/Prof. Damien Fordham (damien.fordham@adelaide.edu.au) and Dr Jamie Wood (jamie.wood@adelaide.edu.au).

This should include: - your résumé/Curriculum Vitae - letter addressing the selection criteria - residency status - names, addresses and/or email details of two referees

Damien Fordham <damien.fordham@adelaide.edu.au>

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UAlberta
BighornsheepDiseaseEvolution

PhD Opportunity: Bighorn Sheep Disease Ecology

The Boyce lab is looking for a PhD Student to work on the bighorn sheep disease ecology project starting ASAP/Winter 2025.

Project Description:

Transmission of disease and pathogens from domesticated animals presents a substantial risk to wild species. Populations of Alberta's provincial mammal, the Rocky Mountain bighorn sheep (*Ovis canadensis canadensis*), are at high risk from the novel bacterium *Mycoplasma ovipneumoniae* (*M.ovi*) which commonly occurs in domestic sheep and goat herds. In fact, a recent outbreak of *M.ovi* occurred near Sheep River Provincial Park in early 2023.

The ultimate goal of this research is to understand and mitigate respiratory disease transfer from domestic sheep and goats to bighorns. Since March 2022 important data have been collected on the movement, demographics and behaviour of bighorn rams in SW Alberta. An important element of understanding risk is parameterization of a risk-of-contact model that requires population specific habitat selection and movement models. Summer forays (rapid, seemingly random, return movements beyond an individual's regularly used home range) are thought to be the most important movements that increase risk of contact with domestic sheep and goats.

The objectives of this research include

- Documenting patterns of movement of bighorn sheep

- Documenting summer foray behaviour in males

- Optimize Habitat Selection Models (HSM) for use in Risk-of-Contact (RoC) models

- Complete RoC assessments for each study population

- Document demographics for each study herd, and evaluate the influence of herd composition (ram:ewe ratios, age structure of ram groups) on foray behaviour.

Additional project information:

The project is well-funded and is composed of a multi-year data set from over a 100 GPS-collared sheep. Most fieldwork has been completed although the successful applicant will have opportunity to conduct additional fieldwork if needed.

Applicant requirements

Interested candidates should have completed an MSc in ecology/biology and should ensure that they meet the entrance requirements for the University of Alberta department of biology's PhD program.

https://calendar.ualberta.ca/-preview_program.php?catoid=-44&poid=54706#:~:text=-Entrance%20Requirements,standing%20from%20a%20recognized%20in .

Preference will be given to domestic (Canadian) applicants but international students with strong qualifications will be considered.

Interested applicants should contact Dr. Mark Boyce at boyce@ualberta.ca with your CV and an expression of interest in the project.

Please view https://grad.biology.ualberta.ca/boyce/ to find out more about the Boyce lab.

Sheeraja Sridharan <sheerja@ualberta.ca>

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UArkansas
EcoEvolBiologyFellowships

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

Graduate research fellowships ($30,000 - 40,000, plus health insurance and tuition waiver) are available for highly competitive candidates. Please

see https://graduate-and-international.uark.edu/-graduate/costs-and-funding/doctoral-fellowships.php for additional information on fellowship funding opportunities.

Prospective students should check out our lab website https://asiepielski.wordpress.com for additional information. If interested in considering joining our lab group, please contact me via email (amsiepie@uark.edu). In your email, please include the following: 1) a brief description of your overall research interests, career goals, and why you think our lab would be a good fit for you, and 2) your CV. Ideal candidates will be hard-working, highly motivated, and excited about studying questions at the interface of ecology and evolutionary biology. Please note that the deadline for Fall 2025 admission into our program is January 15, 2025. All materials should be submitted well before then.

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

Adam Michael Siepielski <amsiepie@uark.edu>

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UCalgary GenomicsOfRepeatedAdaptation

PhD: The genomics of repeated adaptation Yeaman Lab Department of Biological Sciences, University of Calgary

I am seeking to recruit a PhD student with strong skills in bioinformatics and data analysis to work on one of two projects:

1. The genetic basis of repeated adaptation. Previous work in our lab has established a dataset with thousands of individuals with genome-scale data from 25 plant species. We have identified hundreds of genes driving repeated local and global adaptation in multiple species, with patterns of pleiotropy showing surprising consistency with predictions of theoretical models (doi.org/10.1038/s41559-024-02514-5). We are now aiming to cast the net more broadly, working with many collaborators to increase the size of our plant dataset and extend our study of repeated adaptation to in insects, molluscs, fish, mammals, and as many other clades as possible. This project would involve focused study on these datasets, and could include a wide range of methods and study questions. This is a remarkably rich area of research for anyone with a taste for big questions and a love of huge data.

2. The genomics of local adaptation in a spruce hybrid zone. White and Engelmann spruce form a narrow hybrid zone 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. 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 or be focused only on bioinformatics/genomic analysis.

In both projects, the development of new statistical methods would be particularly interesting, as would theoretical work exploring evolutionary dynamics. This position will have a tax-free stipend of at least $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 10th 2024, but please contact me to check in if you need to make a quick decision.

https://yeamanlab.weebly.com/uploads/5/7/9/5/-57959825/phd_position_2024.pdf   Samuel Yeaman <samuel.yeaman@ucalgary.ca>

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UDelaware EvoDevoSpatialTranscriptomics

We are seeking a motivated graduate student to join our research team for a project funded by the National Science Foundation.

Project Overview: Our project aims to unravel the genetic basis of gene expression and phenotypic variation in birds and mammals. We will utilize cutting-edge techniques in genomics, tissue imaging, metabolomics, and single-cell spatial transcriptomics to investigate how dynamic changes in gene regulation during development influence phenotypic traits.

Your Role: As a research assistant, you will play a crucial role in:

* Conducting in-depth analyses of gene and allelic expression, as well as metabolite levels, in crossbred chickens. * Identifying gene and metabolic regulatory networks associated with fundamental cellular processes and myogenesis. * Examining the precise roles of specific alleles in primary muscle cell cultures from various species. * Contributing to the development of novel transcriptomics approaches to advance our understanding of developmental mechanisms.

Qualifications: * Strong background in biology, genetics, or a related field * Experience with genomic and transcriptomic data analysis * Interest in programming languages such as Python or R * Excellent research, analytical, and problem-solving skills * A passion for scientific discovery and a collaborative mindset

Why Join Our Lab?

* Opportunity to work on a cutting-edge NSF-funded project * Collaboration with a team of experienced researchers * Access to state-of-the-art equipment and resources * Potential for publication in high-impact journals

If you are interested in joining our research team, please submit your CV, a cover letter, and a transcript to abasht@udel.edu.

Behnam Abasht Professor Department of Animal and Food Sciences University of Delaware 531 S. College Ave., 035 Townsend Hall Newark, DE 19716 Phone: 302-831-8876 abasht@UDel.edu

"Abasht, Behnam" <abasht@udel.edu>

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UJyvaskyla Finland GutMicrobiomeBirds

Doctoral Researcher: Gut microbiome, genetics and environment contributing to thermal traits in wild birds?

A fully funded 4-year Doctoral Researcher position is available at the Department of Biological and Environmental Sciences, University of Jyväskylä, Finland, in the group of Dr. Suvi Ruuskanen. The Doctoral Researcher will work as part of an ERC-funded project in which the overarching aim is to understand the significance of the gut microbiome to avian thermal adaptation, within and across generations, and species. Application deadline is 13 October 2024 and starting date is in January 2025, or as mutually agreed.

Project description

All animals on our planet carry microorganisms in their gut. The gut microbiome has recently been shown to be strongly linked to health in humans and model animals. However, we still have limited knowledge on what factors determine microbiome variation and how the gut microbiome can contribute to host adaptation, particularly in light of climate change. Interestingly, studies in vertebrate and invertebrate model organisms, and our own data in wild great tits (Parus major) suggest that the microbiome changes with temperature, and proof-of-concept data shows that this compositional shift in the microbiome occurs as an adaptive response to cold exposure. Genetic variation in the host is known to contribute to variation in the microbiome, but its relative importance for microbiome variation is not fully understood. In this project the student will study the

relative role that hosts genetics and thermal environment play in explaining gut microbiome variation, and its (causal) links to thermal physiology. Key methods involve quantitative genetics of microbiome and physiological traits using a pedigree population, and novel microbiome transplant experiments between populations in different environments. Data collection will take place in Finland (University of Jyväskylä), Sweden (University of Lund) and Netherlands (Netherlands Institute of Ecology)

Duties

The doctoral researcher position will involve conducting data and sample collection on wild birds in field populations, experiments with wild-caught captive birds, contribution to laboratory analyses (physiological and molecular), bioinformatic analyses of 16s rRNA data, and quantitative genetic analyses, manuscript preparation and supervision of students.

Qualifications

We are seeking a highly motivated, innovative, productive person, who will be willing to gain experience both in the lab and in the field and contribute intellectually to the project development. Suitable candidates should have a Msc in ecology/evolution, (eco)physiology, molecular biology or related field by the time of starting the position, strong interest in quantitative genetics, host-microbiome research and bioinformatics. Experience in laboratory analyses or working with (wild) animals will be considered beneficial. Driving license is also needed.

The duties, qualification requirements and language skills of a Doctoral Researcher are stipulated by the University of Jyväskylä Regulations and language skills guidelines.The MSc degree required for the position must have been completed before starting the position. Doctoral Researcher needs to be also enrolled in the doctoral programme which can be applied from the Faculty of Mathematics and Science after selection for the position.

We offer

- Funding for 4 years in the doctoral program of the University of Jyväskylä. - Supervision in all aspects of the work (from field to lab to computational skills), possibility to join workshops to improve specific skills in e.g. bioinformatics, data analysis. - International, enthusiastic working environment (working language is English) in a friendly research group with a large collaborator network. - Excellent research infrastructure at Jyväskylä and in collaborators' (incl. Konnevesi research station), labs and state-of-the- art scientific equipment, software, access to journals and scientific databases. - Resources for travel to conferences or workshops abroad.

The Doctoral Researcher will be supervised by Dr. Suvi Ruuskanen and Dr. Charli Davies (University of Jyväskylä), Dr. Kees van Oers (Netherlands Institute of Ecology) and Dr. Andreas Nord (Lund University)

At the University of Jyväskylä, you are a recognized member of our community with an ample opportunity to be drawn into international research. You get to participate in our international and multidisciplinary community, where everybody's welfare is essential. You will work in an inspiring and lively campus area and an environment that supports a healthy and active lifestyle.

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

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UJyvaskyla GutMicrobiomeDiversity

Doctoral researcher, Ecology

We are looking for a PhD researcher at the Department of Biological and Environmental Science at the University of Jyväskylä to join a project "Determining the contribution of rare gut bacteria to ecosystem function" funded by the Research Council of Finland. The four-year position will start on 2.1.2025 or as agreed.

Project description

Gut microbiota is a diverse community of microbes that provide numerous services for their animal hosts, such as producing metabolites, communicating with the host's immune system, and helping the host resist colonisation by pathogens. Identifying the contributions of different members of the gut microbiota to these functions remains challenging. This project will focus on identifying whether the loss of rare gut bacteria impacts the diversity of services provided by the microbiota to the host. To address this issue, we create synthetic gut microbiota that are inoculated into microcosms and a wild rodent model, the bank vole. We will then measure how changes in microbiota composition affect provision of services. One of the key outcomes of the project will

be a better understanding about how biodiversity loss in gut bacteria affects wildlife health. The applicant will work within Prof Phill Watts' groupand collaborative network to gain diverse expertise in, for example, experimental ecology, fieldwork, next generation sequencing, metabolomics, and bioinformatics analyses.

Full details about the position and application procedure can be found here: https://ats.talentadore.com/apply/-doctoral-researcher-ecology/8KjeKX "Watts, Phillip" <phillip.c.watts@jyu.fi>

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UMainz Plant smallRNAs

PhD Position available (65% E13 TV-L)

University of Mainz, Institute of Organismic and Molecular Evolution

Supervisor: Prof Dr Meret Huber (https://plant-evolutionary-ecology.uni-mainz.de/)

Starting date: January 2025 or to be agreed upon

The role of small RNAs in transgenerational plasticity in plants

Background & project goal: Organisms may modulate their phenotype across generations in the absence of genetic change. Yet, the underlying molecular mechanisms of such transgenerational plasticity are little understood. In plants, small RNAs are hypothesized to mediate transgenerational plasticity. However, this hypothesis and its evolutionary consequences still need to be tested. In this project, we will assess the role of small RNAs in transgenerational plasticity of the giant duckweed (Spirodela polyrhiza) under attack of one of its major native herbivores, the waterlily aphid (Rhopalosiphum nymphaeae). We will address the following key questions: i) Does aphid herbivory remodel small RNAs in the duckweed? ii) Are changes in small RNAs associated with gene expression and defenses?, and iii) Are these small RNAs transmitted across generations and thereby modulate offspring gene expression and fitness?

We look for an enthusiastic and ambitious PhD student with strong interest in plant-herbivore interactions, epigenetic inheritance and evolution. As this PhD project is highly interdisciplinary, spanning genetic engineering through CRISPR, experimental evolution and high-throughput sequencing, the PhD student should have a solid background in one of these methodologies and eagerness to embrace the other approaches. Previous experience in plant research is advantageous but not required. The applicant must be fluent in English and hold a MSc degree in Biology or related fields. We offer a stimulating and interdisciplinary research environment including state-of-the-art facilities in a dynamic and international research environment. The successful applicant can join the graduate school GenEvo ("Gene Regulation in Evolution"; https://www.genevo-rtg.de/), and fully benefit from its tailored programme.

How to apply: Please send a single pdf including i) a motivation letter (max. 2 pages), ii) detailed CV, iii) copies of BSc and MSc degree, and iv) names and addresses of two referees to meret.huber@uni-mainz.de. The screening process will start immediately and continue until the position is filled.

Prof. Dr. Meret Huber Plant Evolutionary Ecology Institute of Organismic and Molecular Evolution University ofMainz Johann-Joachim-Becher-Weg 7 55128 Mainz Germany

Phone: 0049 (0)6131 39 302 60 meret.huber@uni-mainz.de https://plant-evolutionary-ecology.uni-mainz.de/ "Huber, Prof. Meret" <meret.huber@uni-mainz.de>

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UMissouri DaphniaGenomics

I have multiple Master's and PhD graduate student openings in my lab at University of Missouri-Columbia for studying evolutionary and environmental genomics using Daphnia. To be eligible for the graduate program for University of Missouri, please refer to our graduate program requirements (https://biology.missouri.edu/-grad-program)

We have a few different research directions 1) the genetic mechanisms for obligate parthenogenesis in Daphnia, 2) the evolution of meiotic recombination rate in Daphnia, 3) CRISPR gene editing in Daphnia, and 4) environmental mutagens and genomic integrity. For those interested, please send an inquiry email to me (sxwf7@umsystem.edu) with a CV/resume and description of research interests.

Best regards, Sen

Sen Xu, PhD Associate Professor, Division of Biological Sciences Tucker Hall, Room 304A University of Missouri Columbia, MO 65211 Email: sxwf7@umsystem.edu

"Xu, Sen" <sxwf7@missouri.edu>

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UMissouriStLouis AntherEvolution

Are you fascinated by the diversity of plants and their reproductive structures? Is your goal a career in academia, biotechnology, agriculture, or government agencies in the most botanically focused city in the world? The Marchant Lab is opening at the University of Missouri - St. Louis and is recruiting PhD students to start Summer or Fall 2025. We are particularly interested in students with a background in plant biology, cellular biology, developmental biology, evolution, bioinformatics, or conservation; however, highly self-motivated students with a passion for botany and science are welcome to get in touch.

Who we are: The Marchant Lab (https://-www.marchantlab.com/) is an innovative and collaborative research group at the forefront of both applied and basic plant sciences. We use single-cell RNA-sequencing (scRNA-seq), comparative genetics/genomics, and digitized herbarium specimens to investigate questions in plant reproductive biology, development, ecology, and evolution using both model and non-model plant systems. We are particularly interested in the biology and evolution of anthers. In the lab you will pursue a primary project plus there are ample opportunities for collaborative projects within the lab and with diverse cooperators. The lab atmosphere is supportive, inquisitive, and committed to providing each student with the most effective training cognizant with individual goals.

Where we are: We are based in the Biology Department at the University of Missouri - St. Louis (UMSL). With its world-class universities (UMSL, Washington University, St. Louis University), research institutions (Donald Danforth Plant Science Center, Missouri Botanical Garden), and agricultural companies (Bayer, Pivot Bio, Yield Lab), St. Louis has the highest concentration of plant science PhDs in the world and is an ideal setting for anyone interested in plant biology. St. Louis is one of the most livable cities in the US and was recently ranked the top city to start a career in.

If you are interested in joining the lab, email Dr. Marchant (dm9vh@umsl.edu) your CV and a brief statement on your background and research interests.

Applications for the UMSL Biology PhD program are due by December 15th and applications for the Masters program are considered on a rolling basis. Teaching and/or research assistantships are guaranteed for PhD students for five years. The Marchant Lab welcomes international graduate students; however, please get in touch well before the December deadline as your applications must also go through the International Students Office.

"Marchant, D. Blaine" <dblainemarchant@umsl.edu>

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UOtago Two MolluscAlgalGenomics

Two PhD positions available at the intersection of genomics, physiology and freshwater biology, as applied to understanding climate impacts.

Project 1: Investigating the Direct and Indirect Impacts of rising CO2 on the Kâkahi (New Zealand Freshwater Mussel)

Fully funded PhD position, Ãtâkou Whakaihu Waka - University of Otago/ Te Herenga Waka - Victoria University of Wellington/ NIWA, New Zealand

We are recruiting a PhD student who will use the latest tools in genomics and molecular biology to understand the direct and indirect impacts of rising CO2 levels on the Kâkahi, the New Zealand Freshwater Mussel. This taonga (treasured) species has been affected both directly (e.g. pH changes) and indirectly (e.g. algae compositional changes) by rising CO2 levels, and our work aims to shed light on what might be occurring at a molecular and phenotypic level in response to these challenges.

This work is part of an MBIE Endeavour programme (Safeguarding Te Mana o te Awa o Waikato from Emerging Climatic Pressures), and includes exciting opportunities to collaborate with world-leading scientists at research institutions across New Zealand, work alongside the kaitiaki (guardians) of this species, and gain sought-after skills.

The project will involve

* Sampling Kâkahi alongside hapori Mâori and other scientists, contrasting their biology under differing environmental conditions * Performing comparisons of morphological features (using histological and imaging approaches) * Producing cutting-edge genomic and transcriptomic resources * Investigating the cellular-level differences in key life stages/tissues, contrasting composition and gene expression with SPLiTseq-based single cell RNAseq

This project would suit a student with some existing research experience in fields such as genomic analysis, bioinformatics, or molecular biology, and an interest in fieldwork. The doctoral student will be enrolled at the University of Otago, but will work in close collaboration with scientists at Te Herenga Waka Victoria University of Wellington (particularly Dr Chris Cornwall, who will co-supervise this work), Lincoln Agritech and NIWA (the National Institute of Water and Atmospheric research).

This position comes with a stipend ($28,600 NZ per annum), a tuition fee waiver, and will receive further support from the broader work programme, including dedicated networking and training opportunities. In particular, there will be opportunities to work alongside scientists and students studying freshwater algae in the same ecosystem, which will lead to exciting collaborative opportunities.

For more information please contact Nathan Kenny (nathan.kenny@otago.ac.nz). To apply, please send a CV, a few paragraphs stating your skillset, fit, and reason for interest in the position, and two academic referees.

International applicants with a strong academic and research record are eligible for funding under this scheme (although travel/visa costs are not covered) and are encouraged to apply.

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Project 2: How will freshwater acidification impact algal communities? Fully funded PhD position, Te Herenga Waka - Victoria University of Wellington/University of Otago/Lincoln University/Cawthron, New Zealand

We are recruiting a PhD student who will use the latest tools in eco-physiology and molecular biology to understand the direct and indirect impacts of rising CO2 levels on algal communities. This work aims to shed light on the interactive effects of decreasing pH and increasing CO2 levels on the physiology of different algal species, as well as exploring species shifts in freshwater ecosystems to inform how these systems might respond to future acidification due to increasing atmospheric CO2.

This work is part of an MBIE Endeavour programme (Safeguarding Te Mana o te Awa o Waikato from Emerging Climatic Pressures), and includes exciting opportunities to collaborate with world-leading scientists at research institutions across Aotearoa New Zealand, work alongside the kaitiaki (guardians) of this species, and gain sought-after skills.

The project will involve: - Sampling algal species alongside hapori Mâori and other scientists, contrasting their biology under differing environmental conditions. - Performing comparisons of physiological traits (using ecophysiology, molecular biology and isotope chemistry). - Investigating the cellular-level differences in key species, contrasting composition and gene expression with transcriptomic comparisons and SPLiTseq-based single cell RNAseq.

This project would suit a student with some existing research experience in fields such as algal physiology, bioinformatics, freshwater ecology, or molecular biology, and an interest in fieldwork. The doctoral student will be enrolled at Victoria University of Wellington, but will work in close collaboration with scientists at University of Otago (Dr Nathan

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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

UToronto MolluscanEvolution

We're recruiting graduate students to the Layton Lab at the University of Toronto! We're broadly interested in molluscan systematics, evolution and genomics and we work on a number of different systems and questions spanning both micro and macroevolutionary scales. For detailed information about our research, please see here:https://www.laytonlab.com Grad students will be part of the vibrant Ecology and Evolutionary Biology department at the University of Toronto. Please see their website (https://eeb.utoronto.ca/education/graduate/) for more information about the department.

Applicants should send along a CV, a brief statement (max 250 words) describing their research interests and motivation for pursuing graduate studies and unofficial transcripts by November 1st for full consideration (kara.layton@utoronto.ca). Our group welcomes, supports and encourages diversity in academia so please

don't hesitate to ask how my supervisory approach, and the research group more broadly, can best meet your needs.

Anticipated start date of September 2025 but early admission may be possible.

Kara Layton

Assistant Professor

University of Toronto

E: kara.layton@utoronto.ca

W: laytonlab.com

Kara Layton <karakslayton@gmail.com>

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UTuebingen EcoEvoModelling

The Plant Ecology Group at the University of Tuebingen is searching for a

Doctoral candidate in Eco-Evolutionary Modeling

Species are not homogeneous entities but show ample of genetic variation in morphological, phenological, or behavioral traits. Genetic variation is a key component of biodiversity and could help species to adapt to a heterogeneous environment. Understanding the ecological drivers of adaptive genetic variation, and identifying such drivers empirically, however, is a difficult task. In this three-year project, the candidate will study both the ecological conditions favoring adaptive genetic variation (e.g., spatial, local, and temporal environmental variation) and empirical methods to detect this part of biodiversity (e.g., QST/FST comparisons). As a scientific tool, the candidate will use forward-in-time, individual-based simulations to advance our understanding of biodiversity.

The candidate will be part of the international and interdisciplinary Plant Ecology group at the University of Tübingen and join the EVEREST research school. To this end, we promote the scientific independence of the candidate, we support the scientific qualification and career planning, and we offer networking opportunities within and beyond Tübingen.

The candidate should have a keen interest in both the study of biodiversity and in eco-evolutionary modeling. Strong quantitative (mathematical and/or compu-

tational) skills, good communication, scientific curiosity, and enthusiasm for research are essential. The candidate should be further able to work independently, integrate well in a team, and meet the following requirements:

——— - MSc in Ecology / Evolution / Bioinformatics, or a related field ——— - Excellent knowledge in ecology and evolutionary biology ——— - Excellent English communication skills (spoken and written) ——— - Good programming skills (e.g., in R, C++)

The University of Tübingen is committed to equal opportunities and diversity. The University is committed to increasing the percentage of women in research and teaching and thus encourages women with adequate qualifications to apply. Disabled persons with equal aptitude will be given preferential consideration. The employment process will be carried out by the central administration of the university.

Please send your application as a single pdf-file to Dr. Max Schmid (max.schmid@uni-tuebingen.de). The application should include a letter of interest (max. 1 page, including your previous experience, and why you see yourself as a good candidate), a CV, and a transcript of records (MSc).

The deadline for applications is October 4th, 2024. Please contact Dr. Max Schmid if you have any questions or would like to discuss some details of the position.

Max Schmid <max.schmid@uni-tuebingen.de>

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UVienna AncientDNA

PhD Position in Ancient DNA Population Genomics, University of Vienna, Austria (f/m/d)THE POSITION:4-Years PhD Position in Paleogenomics: Genomic Perspectives on Population Dynamics in Central Europe During the Late Bronze and Iron AgesThe University of Vienna is offering an exciting PhD position in the research group of Dr. Elmira Mohandesan, focusing on paleogenomics and the population dynamics of Late Bronze Age and Early Iron Age communities in the Carpathian Basin. This project is a part of an interdisciplinary research initiative that seeks to uncover the biological, cultural, and environmental transformations that occurred during this critical period in European prehistory.YOUR TASKS:This project adopts a holistic approach, combining paleogenomics, isotope

(Strontium, Carbon, and Nitrogen isotopes), carbon-14 dating, morphological and pathological analyses. The PhD candidate will focus on the genomics aspect of the project, particularly analysing ancient human and horse DNA samples to address key questions about population diversity, mobility, and cultural practices in Eastern and Central Europe during the Late Bronze Age to Middle Iron Age. The main tasks are outlined below:

- Ancient DNA wet-lab experiments (DNA extraction, Illumina library preparation, Quality Control, capture enrichment, etc.). - Population genetic analysis (phylogeny, PCA, Admixture, etc).

- Documentation of data generation, and analysis procedure. - Administration, and organisation of the generated data according to the Research Data Management (RDM) policy at the University of Vienna (https://rdm.univie.ac.at/). - Active participation in lab meetings, seminars and journal clubs.YOUR PROFILE-Background in evolutionary genetics, molecular biology, population genetics, and/or bioinformatics. - Bioinformatics skills (e.g., Unix, R, Python, Perl) and expertise in NGS genome data analysis are required. - Basic wet-lab skills in ancient DNA field are required. - Proficiency in written and spoken English is required. - Ability to work independently, and efficiently within a multi-disciplinary research environment. - Proactive and self-motivated personality.WE OFFER:- A 4-years funded PhD position remunerated according to the FWF personnel costs (gross salary 2.464,80 Euros per month, 14 salaries per year based on the Austrian pay roll system). - A diverse and supportive team in an inspiring, and international setting at the Department of Evolutionary Anthropology (https://www.anthropology.at/). - In-person scientific seminars by the invited renowned scientists around the world organised through the HEAS platform (https://www.heas.at/). - Access to cutting-edge scientific infrastructure and computational resources through CUBE platform (https://cube.univie.ac.at/).

- Living in Austria's capital city Vienna, located in the heart of Europe and ranks as one of the most attractive cities worldwide.HOW TO APPLY:Please send your application (CV, motivation letter), and names/contact information of two potential referees to Dr. Elmira Mohandesan (E-mail: elmira.mohandesan@univie.ac.at) by November 1st. Preferred starting date: January 2025.

Elmira Mohandesan <elmira.mohandesan@gmail.com>

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UZurich PlantSpeciation

PhD position in plant speciation at the University of Zurich

A PhD position in plant speciation is available by 1st of November in my group at the Department of Systematic and Evolutionary Botany, University of ZïÂ¿Â½rich, for a period of four years. The position is to study real-time speciation in plants as a consequence of soil adaptation. In this project, experimental evolution will be performed using fast cycling Brassica plants as a model. The experiment will continue a previous experimental evolution study which has proven highly successful and led to the formation of plant ecotypes (Dorey et al. 2024, Dorey and Schiestl 2024). The planned project will continue this evolution experiment line to further study divergent selection, local adaptation and the rise of reproductive isolation. The work will be primarily based in the greenhouse and lab and will involve the use of biotic interactions with bumblebee pollinators and aphid herbivory. I am looking for a highly motivated PhD candidate to join my team working on evolutionary question in the context of plant-insect interactions. I offer a vibrant, collaborative work environment and high-quality supervision. Several of my past PhD students have published as first authors in the highest-ranking journals such as Science, Nature Communications, New Phytologist, Functional Ecology, etc.; many have consecutively attained PostDoc positions at renowned academic institutions. You should have a Master (or comparable) degree in any field of biology and a thorough interest in evolutionary biology; proficiency in English, both orally and written, is also required. Prior experience in working with plants and/or insects, bioinformatics, genomics analyses, GWAS, and scientific publishing is an advantage.

Our department is located in the university botanical gardens and houses modern molecular and ecological labs, including greenhouses and climate chambers for plant cultivation. The University of ZïÂ¿Â½rich has a broad research coverage of organismal and molecular biology, and several research groups work on evolutionary topics (www.lifescience-zurich.ch). The city of ZïÂ¿Â½rich also offers excellent quality of life as well as an attractive surrounding for outdoor sports.

If you are interested in the job, please send me by e-mail (florian.schiestl@systbot.uzh.ch) a letter describ-

ing your motivation, CV, copy of degrees, publications (manuscripts), and e-mail addresses of two academic referees, by 15st of October 2024 (the job will remain open until filled). Please send all documents in a single file. If you have any further questions, don't hesitate to contact me.

References: Dorey, T., L. Frachon, L. H. Rieseberg, J. M. Kreiner, and F. P. Schiestl. 2024. Biotic interactions promote local adaptation to soil in plants. Nature Communications 15. Dorey, T., and F. P. Schiestl. 2024. Bee-pollination promotes rapid divergent evolution in plants growing in different soils. Nature Communications 15.

"Florian P. Schiestl" <florian.schiestl@systbot.uzh.ch>

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WesternSydneyU ClimateChangeAdaptation

Hello,

I have a PhD scholarship open to international applicants to work at the Hawkesbury Institute for the Environment. Exciting project with good team and resources for the right person.

Restoring Ecosystems under Climate Change | Western Sydney University westernsydney.edu.au

Scholarship reference code: PS2024_087_HIE

This PhD project will investigate whether seed sourced from future climate analogue sites can perform better than local seed under current and future climate conditions (warming and decreased rainfall). The project aims to examine the establishment, performance, and function of a diverse array of ground cover species directly seeded into restoration plots in threatened grassy woodlands. The research findings will inform strategic restoration approaches to improve long-term biodiversity outcomes.

Applications close 30 September Please distribute to potential candidates, and email with any questions.

Regards Paul

Dr Paul Rymer| Associate Professor

Hawkesbury Institute for the Environment

Western Sydney University

Hawkesbury Campus

Locked Bag 1797 Penrith NSW 2751 Australia

P: +612 4570 1094 | M: 0415 963 139

westernsydney.edu.au

I acknowledge that I work on the country of the Boorooberongal People of the Darug Nation and acknowledge their ancestors who have been Traditional Owners of their country for tens of thousands of years. I also acknowledge and pay my respect to Elders past and present.

Paul Rymer <P.Rymer@westernsydney.edu.au>

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Jobs

BallStateU Indiana EvolutionaryGenetics

Application URL:â€ https://bsu.peopleadmin.com/-postings/44933 Description:â€The Department of Biology at Ball State University invites applications for a tenure-track Assistant Professor position in Genetics. This is a full-time, 9-month, benefit-eligible position offering a competitive salary and a generous start-up package.

The successful candidate can teach Genetics at the undergraduate and graduate level, and Genomics, Bioinformatics, or a specialty course within the Genetics Concentration. Such courses may also contribute to the Biology Department's Biotechnology Certificate Program. Other teaching assignments may include Advanced Genetics or Introductory Biology courses. The candidate should also be able to develop an externally funded research program that will involve undergraduate and Master's students in novel avenues of investigation in the field of genetics, while complementing and collaborating with current faculty in the Department of Biology and/or the BSU Center for Medical Education. The department is particularly interested in a broadly trained geneticist, and those with research programs in any subdiscipline of Genetics are encouraged to apply.

The strongest candidates will have a record of accomplished teaching at the undergraduate and graduate level, demonstrated evidence of outstanding scholarship in the form of peer-reviewed publications, and potential for external funding.

The Department of Biology benefits from strong institutional support, promotes collaborations amongst faculty, and shares core research and teaching equipment. We are especially interested in candidates who will contribute to a campus climate that supports equity, diversity, and belonging. Our faculty are collegial, collaborative, innovative, inclusive, and adaptive, both within and beyond one's home unit. These attributes include commitments to collaborative discourse, interdisciplinary inquiry, and enterprising learning practices.

Minimum Qualifications:â€Earned doctorate in Biology or related field (at time of appointment) from an accredited college or university. Evidence of scholarly productivity demonstrated by at least one publication in a peer-reviewed journal.

Preferred Qualifications:â€Demonstrated teaching ability in Genetics using student-centered learning techniques; effective written and oral communication skills; commitment to excellence in teaching; competency in current research concepts and approaches; evidence of inclusion of students in research programs; evidence of scholarly activity, such as postdoctoral experience, publications, and successful procurement of external grants; established research agenda that complements existing

departmental research programs; potential to increase the inclusion of more diverse undergraduate and graduate student researchers; and collaborative potential with existing faculty at Ball State University.

Inclusive Excellence/EEO:â€Ball State University is an Equal Opportunity/Affirmative Action employer that is strongly and actively committed to diversity within its community. Women, minorities, individuals with disabilities and protected veterans are strongly encouraged to apply. All qualified applicants will receive equal consideration for employment without regard to race, color, ethnicity, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, disability, protected veteran status or any other legally protected status.

Kathleen L. Foster, Ph.D. Assistant Professor of Biology Department of Biology Ball State University 1600 Ashland Ave. Muncie, IN, 47306 Office: Foundational Sciences Building 222 Lab: Foundational Sciences Building 263 E-mail: klfoster@bsu.edu Office phone: 1-765-285-7785 Website: http://www.comparativebiomechanics.com Google Scholar: https://scholar.google.ca/-citations?user=GFbWMnkAAAAJ&hl=en&oi=ao Research Gate: https://www.researchgate.net/-profile/Kathleen_Foster2 "Foster, Kathleen L." <klfoster@bsu.edu>

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Berlin Germany GlobalChangeEvolution

The Department of Evolutionary and Integrative Ecology at the Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) in Berlin invites applications for a tenure track group leader position on Global Change Evolutionary Ecology. The new group leader is expected to start a research program on global change evolutionary ecology contributing to a mechanistic understanding of responses to environmental change through trait-based analyses. A zooplankton focus is preferred but we are open to applicants working on other aquatic organism groups. The expected research program involves experimental work on trait changes through evolution, epigenetics, or plasticity, combined with analyses of field data and potentially modelling. This position fits in the strategic development of IGB to empower its capacity for predictive ecology, through a better mechanistic understanding of the structure and functioning of freshwater systems, informing projections on future scenarios and its implications for the distribution and abundance of organisms, and for using mechanistic insights to optimize management of our freshwater resources.

Your role

* Development of an independent research group on evolutionary and trait-based ecology of freshwater invertebrates, testing ecological theory and novel concepts in the ecology of lakes and ponds. * Analysis of global change responses of freshwater ecosystems, ideally with a focus on zooplankton and their abiotic and biotic interactions. * Linking trait-based mechanistic insights to management of standing waters and future scenario development. * Participation in and further development of IGB's long-term monitoring program of lakes. * A creative and cooperative integration into the research of IGB, especially with groups working on microbial ecology, plankton, fish and lake ecosystem ecology, and modelling. * A proactive collaboration to use the regional research infrastructure from small-scale incubators or mesocosms to artificial pond systems or IGB's LakeLab < https://www.igb-berlin.de/en/infrastructure/lakelab >.

Your profile

* Doctoral degree in biology or ecology, or equivalent * Substantial experience in freshwater and ecology and ecophysiology of aquatic organisms; experimental design and modern statistical approaches * Strong analytical and synthetic skills * Strong publication and project acquisition track record commensurate with career stage * Experience of research supervision commensurate with career stage * Excellent English language skills, both written and spoken; learning German to facilitate interactions with stakeholder is expected * Enthusiasm to collaborate in a team of aquatic scientists from diverse backgrounds

Our offer

We offer an interesting position with a long-term perspective according to IGB's tenure-track guidelines in a dynamic international scientific environment. The working language is English. We have flat hierarchies, encourage active participation, and provide high individual freedom, enabling scientists to develop their creativity to the best of their abilities.

The position is full-time with an option for temporary or permanent work time reduction. It is based at IGB's Department of Evolutionary and Integrative Ecology. Salary is paid according to the German salary scheme for the public sector (TVöD Bund E14). We foster career

development < https://www.igb-berlin.de/en/career > by providing qualification and training opportunities. Given our commitment to diversity, we welcome all applications, regardless of gender and gender identity, origin, nationality, religion, belief, health and physical disabilities, age or sexual orientation. IGB is committed to increasing the number of women in this field, therefore applications from women are particularly welcome. Various measures are in place at IGB to support gender equality. We support the reconciliation of work and family life. Applicants with a disability will be given preference if they are equally qualified.

Are you interested?

We look forward to receiving your application as a single PDF file, including a motivation letter, complete CV, a statement on your vision for research (including links to other IGB research groups; max 3 pages) and on how to foster diversity and gender equality in your team (1 page max), publication list, copies of relevant degrees and contact details of three references by 10 November 2024. Please apply exclusively via our recruitment platform at www.igb-berlin.de/en/jobs, stating the job reference number 31/2024. Any questions can be directed to Luc De Meester (Luc.DeMeester@igb-berlin.de) or Jonathan Jeschke

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BroadInst ZooNewEngland ConservationProjectCoordinator

Position: Project Coordinator, Center for Zoonomics

Zoo New England, in collaboration with the Vertebrate Genomics Group at the Broad Institute of MIT and Harvard, is launching the Center for Zoonomics, a cross-disciplinary center to bring together human-health focused genomic scientists and disease experts with zoological veterinarians to more sustainably conserve healthy populations of endangered species, while also informing and advancing research on similar diseases in humans.

We are seeking a Project Coordinator to work with the center's leadership team to develop and execute the vision for the center.

The ideal candidate will possess exceptional written and oral communication skills, a deep understanding of biology and genetics, and the ability to distill complex scientific concepts into clear and engaging content. The ideal candidate will bring experience in science (including wet lab experience), science communication, and data organization, playing an important role in defining and executing the scientific strategy for the center.

The Project Coordinator will: - Foster a collaborative community within the center by organizing events, workshops, and seminars. - Clearly define and communicate the center's goals and achievements to internal and external audiences through presentations, reports, and online media. - Support collection and management of biospecimens from endangered species, including careful recordkeeping, trialing data management software, and serving as lead liaison between institutions for receiving and managing biospecimens donated for research

Minimum Job Requirements: - BS in Biology, Genetics, or an equivalent field - Excellent organizational, written, and oral communication skills

This position reports to Zoo New England's Director of Conservation Genomics, though the position also carries an appointment with the Broad Institute and the majority of day to day work will be conducted at the Broad Institute.

To apply: Please visit https://-zoonewengland.bamboohr.com/careers/297 to upload a cover letter and curriculum vitae. For inquiries, please contact Dr. Rachel Johnston at rjohnston@zoonewengland.org. Preference will be given to applications received by October 6, 2024.

Rachel Johnston <racheljohnston7@gmail.com>

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ClemsonU MicrobiomeEvolution

Assistant Professor - Microbiome Science

Location:

Open Date:

Description

The Department of Biological Sciences at Clemson University invites applications for a tenure-track Assistant Professor specializing in Microbiome science. We wel-

come/encourage applications from prospective faculty interested in all areas of microbiome research relevant to human health. Clemson University, the College of Science, and the Department of Biological Sciences are committed to building a community of inclusive excellence and creating a sense of belonging, where faculty scholars are dedicated to working and teaching in a welcoming environment that empowers students to be positive change agents (http://www.clemson.edu/ceba/-). We are supportive of the needs of dual career couples.

The Department offers (BA/BS) and graduate (MS/PhD) degrees in Biological Sciences and Microbiology, and graduate degrees (MS/PhD) in Environmental Toxicology. In addition, the department offers an online, non-thesis M.S. in biological sciences for teachers and science educators interested in biological sciences. The successful candidates will inspire/enlighten our student body by contributing to the department's teaching mission.

The successful candidate will bring an innovative and high-impact research program to Clemson that complement and enhance existing departmental research strengths. Current faculty interests related to microbiome research include host-pathogen interactions, host-symbiont interactions, aquatic and soil ecosystems, and microbial interactions and functions during environmental change.

About the University & Department:

Located on Lake Hartwell in the foothills of the Blue Ridge Mountains, Clemson University is South Carolina's public land-grant University with access to multiple state and national parks and forests. As a Carnegie R1 Institution, Clemson has excellent research resources including the globally ranked Palmetto high-performance computing cluster, the Clemson University Genomics and Bioinformatics Facility, the Eukaryotic Pathogen Innovation Center, state-of-the-art light microscopy, electron microscopy, vivarium, animal, aquatic animal, and greenhouse facilities, and a multi-user analytical laboratory. There are many opportunities for collaboration across a wide group of partners on and off campus, including the Center for Human Genetics (https://www.clemson.edu/science/-research/chg.html) and Prisma Health. Clemson is also launching a new College of Veterinary Medicine that will commence student enrollment in Fall 2026. There are many opportunities for collaboration across a wide group of partners on and off campus, including faculty in other departments in the College of Science as well as other colleges such as College of Agriculture, Forestry, and Life Sciences.

The Department of Biological Sciences at Clemson University harnesses faculty expertise across the areas of ecology, evolution, and organismal biology; microbiology; toxicology and molecular, cellular and developmental biology to advance the University's discovery mission and provide strong educational programs at both the undergraduate and graduate levels.

For more information about the Department and its programs, please visit the website https://-www.clemson.edu/science/academics/departments/-biosci/index.html . For more information about Clemson, please visit the website http://www.clemson.edu/ . Qualifications

Successful candidates must hold a PhD in biology/microbiology or equivalent terminal degree with an advanced background in biological sciences or a related discipline. Candidates should present evidence of productive postdoctoral research experience as demonstrated by an excellent research record with a high level of productivity in peer-reviewed publications. Strong candidates will show significant potential for external funding in the first two years as well as effectiveness in teaching undergraduate and graduate students (M.S. and Ph.D.) appropriate for the Assistant Professor level online or in person.

Application Instructions

For full consideration, please apply by November 1, 2024. Review of applications will begin immediately and the search will remain open until filled. The anticipated start date is August 2025.

Applicants should submit the following items via Interfolio at:

http://apply.interfolio.com/153882 (1) Cover letter, including what draws the applicant to this position in the Department of Biological Sciences at Clemson University

(2) CV including at least three references for potential contact after initial review

(3) Two-page statement of research interests and future plans

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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

DukeU Three PlantFungalEvolution

Three new faculty positions in our department in Plant/Fungal Biology. Please encourage your students/postdocs to apply!!

https://biology.duke.edu/about-us/jobs -Rytas V

Professor Rytas Vilgalys Mail to: Biology Department Duke University 130 Science Drive, rm 139 Durham NC 27708

Office: Biological Sciences rm 346 Email: fungi@duke.edu Phone: 919-672-0403

Rytas Vilgalys <fungi@duke.edu>

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DurhamU Two BehaviourClimateEvolution

Behavioural Ecology posts - Durham University UK

Dear Colleagues,

Durham University (UK) Biosciences department are advertising for an Assistant Professor in Animal Behavioural Evolution, and another in Climate Change Ecology(see details/links below).

Best wishes

Sean

Dr. Sean Twiss, Associate Professor in Animal Behaviour and Behavioural Ecology, Department of Biosciences, Durham University. UK.

Job Description - Assistant Professor in Behavioural Evolution (BIOS_02) (24001579) (taleo.net)

Assistant Professor in Behavioural Evolution (BIOS_02) (Job Number: 24001579)

Department of Biosciences

Grade 8: - 45,585 - 54,395 per annum

Open-Ended/Permanent - Full Time

Contracted Hours per Week: 35

Closing Date: 31-Oct-2024, 11:59:00 PM

Job Description - Associate Professor in Climate Adaptation (24001536) (taleo.net)

Associate Professor in Climate Adaptation (Job Number:24001536)

Department of Biosciences

Grade 9: - 57,696 - 64,914 per annum

Open-Ended/Permanent - Full Time

Closing Date : 31-Oct-2024, 11:59:00 PM

Dr. Sean Twiss, Associate Professor in Animal Behaviour and Behavioural Ecology, Department of Biosciences, South Road, Durham University, Durham, DH1 3LE, UK.

E-mail: s.d.twiss@durham.ac.uk Web-site: Dr Sean Twiss - Durham University

Blog: http://sealbehaviour.wordpress.com/ Behaviour, Ecology and Evolution Research (BEER) Centre: www.dur.ac.uk/beer-centre Tel: +44 (0)191 334 1350 (office) Tel: +44 (0)191 334 1247 (lab) Fax: +44 (0)191 334 1201

"TWISS, SEAN D." <s.d.twiss@durham.ac.uk>

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EarlhamC TeachingEvolution

Visiting Assistant Professor of Biology- Evolution, Ecology and Organismal Biology

Job Summary Earlham College invites applications for a biologist with teaching and research interests in evolution, ecology, and organismal biology. This is a full-time, one-year appointment in the Biology Department as a visiting professor, possibly renewable depending on institutional needs. The position begins in August 2025. The Department seeks an individual who is first and foremost excited about teaching in lecture, seminar classes, laboratory, and research venues to bright and motivated undergraduates in a student-focused department at a nationally ranked small liberal arts college.

Responsibilities: Teaching responsibilities will include contributing to introductory courses in evolution, ecology, and biodiversity, and upper-level organismal courses

in the applicant's area of taxonomic expertise. Applicants who have expertise in evolutionary biology with a strong research fieldwork component are especially encouraged to apply. Typical course load is two courses with labs per semester (12 contact hours). The successful candidate will join a department with a long history of mentoring visiting faculty, supporting pedagogical innovation, and encouraging professional development. The candidate would also have access to the Joseph Moore Museum biological collections, 400 acres of the Earlham Nature Reserve System, the Hill Memorial Greenhouse and Miller Farm. For an expanded description of Earlham College and the Biology Department please visit: http://www.earlham.edu/biology Qualifications A Ph.D. is required; teaching experience or post-doctoral research is desired Be a positive example and resource to all Earlham Students

To Apply:

Please submit the following application materials through our Earlham Careers Portal

(https://www.paycomonline.net/v4/ats/web.php/-jobs/ViewJobDetails?job=229818&clientkey=-E724250F91A1149AB3AC0A2F64E3DA29)

Curriculum Vitae

Unofficial transcripts

Cover letter - Address your interest in the opening explaining your relevant work history as it pertains to this position.

Statement of DEI - Submit your thoughts and experience with matters of Diversity, Equity and Inclusion, as it relates and specifically pertains to this position, in a 300 - 1000-word statement.

Statement of your Teaching Philosophy.

Research statement addressing your research history.

List of Three Professional References with Contact Information. References should be able to respond (or produce a letter of recommendation) within 1 week after they are contacted.

For additional information, contact Dr. Wendy Tori, Professor of Biology at: toriwe@earlham.edu

Review of applications will begin on October 14, 2024 and continue until the position is filled.

Earlham College is a Top 100 National Liberal Arts College located in Richmond, IN, a small city that's just a short drive away from several major metropolitan areas including Dayton, Cincinnati, Indianapolis and Chicago. Earlham is an equal opportunity employer committed to building a diverse community, one that reflects the makeup of society at large and that particularly welcomes and supports individuals from groups that have been historically marginalized because of factors such as race, ethnicity, sex, gender identity, gender expression, sexual orientation, socioeconomic class, and physical ability. The College strongly encourages applications from women and people of color. As an institution with a Quaker identity, the College also solicits applications from members of the Religious Society of Friends (Quakers).

Wendy P Tori <toriwe@earlham.edu>

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GeorgeWashingtonU TeachingEvolution

Teaching Assistant Professor of Biology Department of Biological Sciences The George Washington University Â The Department of Biological Sciences at The George Washington University invites applicants for a position as a Teaching Assistant Professor of Biology. This is a full-time, renewable, Specialized Service contract position with a teaching load of 3 undergraduate courses per semester (Fall and Spring). Because this is a teaching position, there are no research expectations, but the candidate will contribute to the service mission of the University. This position will begin as early as Fall 2025.

The primary responsibilities of the candidate will involve the design, delivery, and supervision of undergraduate courses (lab and lecture) in Genetics and Introductory Biology. The candidate will manage and coordinate lectures (and appropriate lab sections) while collaborating with our teaching faculty, laboratory managers, graduate teaching assistants, and undergraduate teaching assistants to ensure a high-quality educational experience that prepares undergraduate students for advanced coursework in biology.

Basic Qualifications: Applicants must have completed a Ph.D. in Biology or related discipline by the date of appointment. Applicants must have demonstrated experience in course design and a minimum of two (2) years of experience teaching Genetics at the university level including lecture and laboratory courses to both small and large enrollment classes.

A full description of this open position is listed here: https://www.gwu.jobs/postings/114905 Guillermo Orti

<guillermoorti@icloud.com>

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HakaiInst BritishColumbia MarineEvolDynamics

Job: UBC and Hakai Institute, BC. Sentinels of Change Alliance Postdoctoral Fellow in Intertidal Parasite-Host Interactions. Use your background in parasitology, evolutionary ecology, and biodiversity research; and your experience with field and experimental design to study ecological and evolutionary dynamics in the Salish Sea. https://tula.org/about/careers/sentinels/post-doctoral-fellow-in-marine-host-parasite get to know us: https://sentinels.hakai.org/about recruitment video: https://vimeo.com/848860161/5e02204921 Michelle McEwan, MSc Projects Manager, Sentinels of Change A Hakai Institute and UBC Alliance Project Co-Funded by Tula Foundation and NSERC

michelle.mcewan@hakai.org

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HarvardU EvolutionaryBiology

The Department of Organismic and Evolutionary Biology seeks to appoint a tenure-track professor in Evolutionary Biology.

The Department of Organismic and Evolutionary Biology (OEB) seeks to appoint a tenure-track professor in evolutionary biology. The broad search field includes, but is not limited to, evolutionary genetics, quantitative genetics, population genetics, phylogenetics and systematics, adaptation, evo-devo, speciation, eco-evo dynamics, evolutionary biomechanics, evolutionary phenomics, macroevolution, and all experimental, theoretical, or computational approaches. If applicable, the experimental system may be viral, prokaryotic, or eukaryotic. The successful candidate is expected to establish a dynamic, externally funded research program, teach at the undergraduate and graduate levels, mentor a diverse community of students, and contribute to departmental and university service. Should the candidate's expertise fall into an area of available curatorships in the Museum of Comparative Zoology or Harvard Herbaria, a joint appointment as curator could also be considered. The appointment is expected to begin on July 1, 2025.

OEB is a supportive and collaborative research community with interests in a broad range of topics that include evolution, ecology, biomechanics, behavior, development, paleobiology and public health. Junior faculty are assigned a mentoring committee that advises them on all aspects of setting up a successful research group.

An appointment in OEB provides access to state-of-the-art animal and plant facilities and core facilities for imaging, proteomics, genomics, and bioinformatics as well as access to multiple supporting institutions including the Museum of Comparative Zoology, Harvard University Herbaria, Harvard Forest, and the Arnold Arboretum. Please visit the OEB webpage (https://oeb.harvard.edu/) for more information.

OEB celebrates the multiple dimensions of diversity that each member of our community offers, including diversity of background, perspective, and lived experience. We strongly welcome applications from persons from underrepresented groups.

Doctorate or terminal degree in Evolutionary Biology or related discipline required by the time the appointment begins.

Demonstrated strong commitment to teaching and advising is desired.

Please submit the following materials through the ARIeS portal at: https://academicpositions.harvard.edu/postings/14051 Review of applications will begin on November 1, 2024; applications will be reviewed until the position is filled. We anticipate conducting in-person interviews in January 2025. 1. Cover letter 2. Curriculum Vitae 3. Teaching/advising statement (describing the candidate's teaching philosophy and practices as well as their approach to creating a learning environment in which students are encouraged to ask questions and share their ideas) 4. Research statement 5. Service statement describing efforts to strengthen academic communities, e.g., the candidate's department, institution, and/or professional societies. 6. Names and contact information of 3-5 referees, who will be asked by a system-generated email to upload a letter of recommendation once the candidate's application has been submitted. Three letters of recommendation are required, and the application is considered complete only when at least three letters have been received. At least one letter must come from someone who has not

served as the candidate's undergraduate, graduate, or postdoctoral advisor. 7. Up to four representative publications.

The health of our workforce is a priority for Harvard University. With that in mind, we strongly encourage all employees to be up-to-date on CDC-recommended vaccines.

For administrative questions, please contact Christian Flynn (mailto:cflynn@fas.harvard.edu). For search-related questions, please contact Michael Desai (mailto:mdesai@oeb.harvard.edu).

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

"Flynn FAS, Christian" <cflynn@fas.harvard.edu>

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HoldenArboretum Cleveland PlantSystematics

Scientist Holden Arboretum: Long Science Center

The Research department seeks a Scientist to join our team at Holden Forests & Gardens (HF&G). The Scientist will conduct research at the intersection of basic and applied science concerning plants and their environments. Research areas may include, but are not limited to, urban ecology, forest health, plant pathology, forestry, forest management, or climate resilience. The scientist will also translate research findings into practical solutions for present and future ecological challenges and will communicate findings to the public. Approximately 70% of the scientist's time will be devoted to research, 20% to scientific communication and public outreach, and 10% to lab management and departmental duties.

The scientist is expected to develop their own research in a relevant field, publish in scientific journals, present talks at scientific meetings and public forums, obtain extramural funding, and serve as an academic advisor to graduate students. The scientist is expected to participate in academic and public outreach activities

at HF&G. The scientist will collaborate with relevant Holden programs, potentially including Conservation, Community Forestry, Horticulture, and/or Education. Adjunct appointments at collaborating universities are possible and encouraged.

Holden Forests & Gardens connects people with the wonder, beauty and value of trees and plants, to inspire action for healthy communities. HF&G strives for a welcoming workplace where everyone feels that they belong. This role is based at the Holden Arboretum at the Long Science Center in Kirtland, OH with occasional cross-campus representation at the Cleveland Botanical Garden in Cleveland, OH and potentially the Leach Research Station in Madison, OH.

Position Details:

Reports to the Director of Research Full-Time, Exempt Position Medical, Dental, Vision benefits Key Responsibilities:Key responsibilities of the Scientist include, but are not limited to:

Conducts research in an appropriate field of biology (70%)*

Develops a research program in their field that incorporates Holden Forests and Gardens' natural areas and/or collections.Communicates research results to national and international science forums via publication in peer-reviewed scientific journals, oral presentations, and posters.Obtains extramural funding through grants, foundations, or other sources.Participates, and takes leadership roles, in professional scientific activities, e.g., serving as reviewer for scientific journals & federal granting agencies and organizing scientific meetings. Serves as primary advisor or committee member for graduate students, as appropriate, in support of research objectives.Collaborates with scientists at Holden Forests & Gardens and other institutions.Practices according to highest standards in research and scholarship, record-keeping, and laboratory and field safety, including hazardous materials.Prepares relevant reports and makes presentations accordingly Outreach and science communication (20%)*

Leads development of educational and visitor outreach activities within the Research Department, sometimes in conjunction with Education and Guest Services departments.Fosters scientific collaborations with other institutions, both formal and informal.Seeks external sources of funding such as grants, donations, and royalties and oversees Research fundraising in conjunction with CEO, Finance, and Development departments.Establishes adjunct appointments at a regional university and collaborative research projects.Fosters external positioning of Holden Forest & Gardens research through public rela-

tions efforts. Lab management and organization service (10%)*

Ensures staff training in the following areas:safe laboratory and field practices generally accepted ethical standards in research and scholarship record-keeping, including archiving of samples and data, both written and electronic grant writing public speaking project management management and mentorship of other staff, students, and volunteers Oversees quality control testing of methods and equipment used in analyses of samples.Complies with all aspects of laboratory safety, safety stations, safety manuals, safety SOP and MSDS sheets. Serves on HF&G committees, as needed.Supports Marketing and Development departmental efforts, as needed.

The percentage of time spent on each duty is approximate

Qualifications and Skills:

Ph.D. in an appropriate field of biology, ecology, horticulture, or forestry.Strong record of research publications, scientific outreach, and professional service.Demonstrated and recognized leadership in their field of research.Aptitude and experience as public advocate and interpreter of scientific research.Aptitude for administration of budgets, personnel, and other aspects that relate to leading a research enterprise.Knowledge in plant biology, ecology, forestry, or other mission relevant area of

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LeafWorks California SeniorBioinformatician

This position needs to have a plant evolutionary biologist background.

LeafWorks Job Description: Senior Bioinformatics Scientist

LeafWorks Inc. is seeking a senior level bioinformatician that specializes in plant genomics and evolutionary biology to join our growing team. LeafWorks is a groundbreaking genomics startup making major contributions in the application of genomics and phenomics to understand the fundamentals of cannabis biology and medicinal plant/fungal genetics. We are actively seeking a team leader with extensive experience in applying data-driven analytics for multi-omics target identification, biomarker discovery and validation. In this position, you'll develop DNA tests and services that solve leading edge issues for top herbal species to meet market challenges in the natural products industry. You will develop and apply genetic, genomic and computational approaches to our globally diverse plant datasets to create commercial testing solutions that enable our clients to know what they are buying, selling, breeding and growing. You will implement holistic scientific strategies for product design, conceptualize and perform scientific data analyses for company products and services, and collaborate with the executive team on research and development tracks. This position requires a strong work-ethic, self-motivation, problem-solving skills, and the ability to operate independently and collaborate with a team.

Primary Responsibilities and Required Qualifications:

-PhD with at least 2-3 years of relevant experience (includes graduate or postdoctoral work) or

Master's Degree with at least five years experience in Biology, Bioinformatics, Botany, Evolutionary Biology, Genomics, Genetics, or a related field. Primary focus of career must be plant genomics and, or plant evolutionary biology, and using bioinformatics to answer questions in those fields.

-Expert in comparative plant genomics and biomarker discovery.

-Great communicator.

-Using R/Python code to create and, or expand current R/Python code base for company bioinformatic pipelines.

-Easily work with NGS data and analysis.

-Can analyze multi-omics data (e.g., guided and de novo genome assembly, haplotype phasing, variant calling, annotation, expression analyses, network analyses, etc).

-Ability to apply data-driven methods for multi-omics target identification and biomarker discovery.

-Thorough understanding of plant genetics.

-Ability to comfortably evaluate project needs and suggest methods and software applications for achieving project bioinformatics analyses.

-Generate and support the integration and visualization of analysis and results.

-Develop and coordinate data analysis strategies and implementation for large research projects.

-Expertise in interpreting genetic data from open source and proprietary analysis software and databases.

-Thrive in a fast-paced work environment that requires independent self-direction with an aptitude for team collaboration and open communication.

-Future-oriented, innovating mindset with demonstrated record of developing or implementing new ideas and technologies.

-Strong ability to multitask and prioritize.

-Ability to manage other computational scientists.

-Collaborate with the executive team to outline operating budgets and relay budgetary needs as well as challenges as they arise.

-Engage with, and contribute to company discussions on research and development tracks, experimental designs, and strategic planning for overall company direction.

-Abide by the company's good business practices and act in good faith towards the company's mission: that of community empowerment, scientific responsibility, and being environmentally conscious.

Preferred Qualifications:

-Wet lab experience preferred.

-Project management experience.

-Scientific experience or expertise in quantitative plant genetics.

-Performing machine learning / deep learning with a focus on multi-omics data integration.

-Familiarity and prior experience with numerous sequencing platforms including Illuminia, Oxford Nanopore Technologies, PacBio etc.

-Familiarity and prior experience with cloud computing platforms such as Amazon AWS or Google Cloud.

-Familiarity with data management and database structures.

-Develop pipelines for automated report generation.

Desired start time: December 2024 or January 2025.

Location and Hours:

LeafWorks Inc. is headquartered in Sebastopol, CA, USA. This position is a full-time salaried position.

Remote may be acceptable; however in-office daily presence is highly preferred.

At LeafWorks, we are committed to providing an environment of mutual respect and positivity where equal employment opportunities are available to all applicants and teammates without regard to race, color, religion, sex, pregnancy (including childbirth, lactation and related medical conditions), national origin, age, physical and mental disability, marital

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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

LehighU Pennsylvania Genomics

The Department of Biological Sciences at Lehigh University invites applications for a tenure-track faculty position at the level of Assistant Professor in Genomics broadly defined, effective July 2025.

Candidates must hold a Ph.D. in biology or a related field at the time of employment.

Within a multidisciplinary, collaborative research environment in the department and across the university, the successful candidate is expected to develop an internationally recognized, extramurally funded research program, participate in the department's Ph.D. program in biology, and contribute to the department's excellence in instruction and training of graduate and undergraduate students. We expect that the successful candidate will have a research program that complements the current research in the department.

Founded in 1865, Lehigh University has combined outstanding academic and learning opportunities with leadership in fostering innovative research. Recognized among the nation's highly ranked research universities, Lehigh offers a rigorous academic community for over 7,500 students. Lehigh University has some 5,800 undergraduates, 1,800 graduate students, and nearly 600 full-time faculty members. Lehigh University is located in Bethlehem, PA., a vibrant and historic area near New York City and Philadelphia. Lehigh is committed to being an institution that strives to enhance diversity, inclusion and equity.

To apply, please submit: (1) a cover letter, (2) curriculum vitae, (3) research statement, (4) teaching statement, (5) a statement of contributions to diversity, equity, and inclusion, and (6) have at least three letters of recommendation submitted to: https://academicjobsonline.org/ajo/jobs/28345 For additional information contact Dr. Michael Layden, Chair, Ge-

nomics Search Committee at inbios@lehigh.edu or by mail at 111 Research Drive, Bethlehem, PA 18015.

Applications received by December 2nd, 2024, will receive full review, and we will continue to review applications until December 15th, 2024.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, marital or familial status, national or ethnic origin, race, religion, sex, sexual orientation, or veteran status. We are committed to increasing the diversity of the campus community. Lehigh University is committed to a culturally and intellectually diverse academic community and is especially interested in candidates who can contribute, through their research, teaching and/or service, to this mission. Lehigh University is the recipient of an NSF ADVANCE Institutional Transformation award for promoting the careers of women in academic sciences and engineering and is among institutions of higher education recognized for excellence in diversity with the INSIGHT into Diversity HEED Award. Additional information about Lehigh's commitment to diversity and inclusion is available at diversityandinclusion.lehigh.edu. Lehigh University provides competitive salaries and comprehensive benefits, including domestic partner benefits. More information about Work/Life Balance for Faculty can be found at provost.lehigh.edu/resources/worklifebalance. Lehigh University supports dual career efforts for following spouses/partners of newly hired faculty; see provost.lehigh.edu/resources/faculty-dual-career-assistance-program/dual-career-guidelines.

Melissa Scotto-Dicesare <mjs422@lehigh.edu>

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MarquetteU Wisconsin Tech Herpetology

Herpetologist Wanted!!!

Come join our team in Milwaukee! The Gamble Lab at Marquette University is hiring a Research/Animal Care Technician. Duties include lizard & snake husbandry; sample collection & curation; & data management - email w/questions: tgamble@geckoevolution.org

Information about the Gamble at Marquette University can be found here: https://www.geckoevolution.org/ Get details about the position and apply here: https://employment.marquette.edu/postings/21925 Tony Gamble, Ph.D. Associate Professor Department of Biological Sciences Marquette University Milwaukee WI 53201 E-mail: tgamble@geckoevolution.org Web: http://geckoevolution.org/ Bluesky: @tonygamble.bsky.social he/him/his

"tgamble@geckoevolution.org"
<tgamble@geckoevolution.org>

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MCZ Harvard MarineEvolution

The Department of Organismic & Evolutionary Biology (OEB), in partnership with the Museum of Comparative Zoology (MCZ), seeks to appoint a tenure-track professor in Marine Biology. Research areas of interest include but are not limited to: human interactions with marine life and ecosystems, conservation biology, marine ecology, systematics, physiology, and evolutionary biology (with an emphasis on invertebrates or vertebrates). We seek an outstanding individual who will establish an innovative research program and teach both undergraduate and graduate students. The position will likely be associated with a curatorial appointment in the MCZ with shared oversight responsibilities for the museum's research collections. The department and museum have strong links to a number of allied institutions, including the Harvard Forest, Arnold Arboretum, Harvard University Herbaria, and the Salata Institute.

The successful candidate will benefit from state-of-the-art research facilities, strong institutional and departmental commitment to career development, and a vibrant, collaborative research enterprise that brings together many disciplines in the biological sciences to create unique scientific and educational opportunities, including public programs with the Harvard Museums of Science and Culture. Appointments will be made at the pre-tenure academic ranks of Assistant or Associate Professor, in accordance with the candidate's experience and accomplishments.

OEB and MCZ celebrate the multiple dimensions of diversity that each member of our community offers, including diversity of background, perspective, and lived experience. We strongly welcome applications from persons from underrepresented groups. Candidates are welcome to reach out directly to the email listed below if they would like to discuss their candidacy prior to applying. The appointment is expected to begin on July 1, 2025 or as soon as possible thereafter.

Doctorate in any area of Biology or related discipline required by the time the appointment begins.

Demonstrated strong commitment to teaching and advising is desired.

Please submit the following materials by October 4, 2024. 1. Cover letter 2. Curriculum Vitae 3. Teaching/advising statement describing the candidate's teaching philosophy and practices as well as their approach to creating a learning environment in which students are encouraged to ask questions and share their ideas 4. Research statement 5. Service statement describing the candidate's past, ongoing, and future efforts to strengthen academic communities, e.g., the candidate's department, institution, and/or professional societies. 6. Names and contact information of 3-5 referees, who will be asked by a system-generated email to upload a letter of recommendation once the candidate's application has been submitted. Three letters of recommendation are required, and the application is considered complete only when at least three letters have been received. At least one letter must come from someone who has not served as the candidate's undergraduate, graduate, or postdoctoral advisor. 7. Four representative publications.

The health of our workforce is a priority for Harvard University. With that in mind, we strongly encourage all employees to be up-to-date on CDC-recommended vaccines.

For administrative questions, please contact Christian Flynn (cflynn@fas.harvard.edu). For search-related questions, please contact Gonzalo Giribet (ggiribet@g.harvard.edu).

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

assistant, faculty, instructor, tenure track, zoology, animal science, marine biology, marine invertebrates, marine zoology, marine mammals, marine fishes, marine reptiles, biodiversity, systematics, organismal biology, phylogenetics, marine ecology, coastal ecology, biological oceanography, marine ecosystems, conservation biology, Boston, Cambridge, Massachusetts, MA, Northeast, New England.

https://academicpositions.harvard.edu/postings/14055/print_preview Gonzalo Giribet <ggiribet@g.harvard.edu>

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MMMGL Louisiana MarineMammalGenomics

New Marine Mammal Genomics Position at the Southeast Fisheries Science Center

The Marine Mammal Molecular Genomics Lab (MMMGL) at the Southeast Fisheries Science Center is seeking highly motivated candidates for a Senior Research Associate I position through the University of Miami. The MMMGL works on a variety of projects focused on marine mammal species from the northwest Atlantic and U.S. Gulf of Mexico, aimed at informing management and conservation actions. The successful applicant will conduct lab work including DNA extraction, PCR, next-generation library preparation, genotyping, and sequencing, as well as operating, maintaining, and organizing schedules for laboratory equipment. The position will also require collection of eDNA samples, laboratory processing utilizing quantitative/digital PCR methodologies, and performing metabarcoding and next-generation sequence analysis for multiple marine species.

This is a full-time position offering a comprehensive benefits package. The position is based in Crowley, Louisiana and is open to everyone, regardless of citizenship.

Candidates must have a Master's degree or higher in marine biology or related field, as well as experience involving eDNA collection and analysis, metabarcoding, and microbiomics.

Anyone interested in applying should see the full description on the University of Miami Careers website (https://careers.miami.edu/us/en/job/R100080497/-Senior-Research-Associate-I) and follow the application instructions posted there. The position's requisition is R100080497.

—

Nikki Vollmer

Associate Scientist, Contractor with University of Miami-CIMAS in support of the

Marine Mammal and Turtle Division, Southeast Fisheries Science Center

NOAA Fisheries | U.S. Department of Commerce

(337) 291-3148 (Google Voice)

www.fisheries.noaa.gov nicole.vollmer@noaa.gov

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MuseumHamburg Tech Annelids

We are inviting applications for a full-time Technical Assistant (f/m/d) to support research and collections in Section Annelida at the Museum of Nature Hamburg, Leibniz Institute for the Analysis of Biodiversity Change.

Please find a full description of the position and application instructions at the following link:

https://8101202752.karriereportal.cloud/job/2024-16-Technische-Assistenz-fi ¿½r-die-Sektion-Annelida-(w_m_d)

Applications close 5 October 2024. Please share this announcement with your networks!

Dr. Jenna Moore Curator/Head of Section Annelida Museum of Nature Hamburg Leibniz Institute for the Analysis of Biodiversity Change Martin-Luther-King Platz 3 20146 Hamburg Germany

Stiftung Leibniz-Institut zur Analyse des Biodiversitiï¿½tswandels Postanschrift: Adenauerallee 127, 53113 Bonn, Germany

Stiftung des ï¿½ffentlichen Rechts; Generaldirektion: Prof. Dr. Bernhard Misof (Generaldirektor), Adrian Grï¿½ter (Kaufm.   Geschï¿½ftsfï¿½hrer) Sitz der Stiftung: Adenauerallee 160 in Bonn Vorsitzender des Stiftungsrates: Dr. Michael Wappelhorst

Jenna Moore <J.Moore@leibniz-lib.de>

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NewMexicoStateU EvolutionaryBiology

Assistant Professor- Animal Evolutionary Biology (Req 501365; Pos # 197332)

The Department of Biology at New Mexico State University invites applications for an Assistant Professor (9-month, tenure track position, starting August 2025). Applicants for this position must have a Ph.D. in Evolutionary Biology, Biology or related field; a strong track record of research productivity commensurate with experience; a demonstrated commitment to undergraduate and graduate education and a minimum of one year of postdoctoral experience at the time of application. The successful candidate will be expected to develop an externally-funded research program and teach courses in evolutionary biology and related areas at the undergraduate level as well as graduate courses in their area of expertise.

All application materials must be submitted via the NMSU Careers Site: http://careers.nmsu.edu/cw/en-us/job/501365 . Application materials include a cover letter, CV, statement of research interests and accomplishments (2 pages max), and a statement of teaching philosophy and experience (2 pages max). Please address your contributions to and plans for promoting diversity, equity, and inclusion in the teaching and/or research statement(s), as appropriate. Letters of reference will be requested from those references listed on your application after the application closing date and will be due November 1, 2024. Deadline for applications: October 25, 2024. Questions may be directed to biosearch@nmsu.edu.

NMSU is a public, land-grant, Hispanic-Serving Institution, in Las Cruces, NM, located in the northern Chihuahuan Desert, an ecologically-rich region with abundant opportunities for local field research. White Sands National Park, Organ Mountains-Desert Peaks National

Monument, Prehistoric Trackways National Monument, the Gila and Lincoln National Forests, and the Jornada Basin Long Term Ecological Research (LTER) site and JRN National Ecological Observatory Network (NEON) gradient site are all within two hours of campus. Campus research facilities that may be of interest include the Biology Departmentï¿½s Vertebrate Museum, the Biomedical Research Facility (a state-of-the-art animal research facility that is under construction), Discovery Cluster (High Performance Computing cluster), and the Microscopic Imaging Core Suite. The Department of Biology offers undergraduate majors in Biology, Conservation Ecology, Genetics, and Microbiology as well as MS and PhD programs. Opportunities exist to participate in externally funded training programs and faculty development, such as NM-INBRE and U54 PARC. For more information see: http://bio.nmsu.edu . NMSU is an equal opportunity and affirmative action employer. All offers of employment are contingent upon the verification of information required by federal law, state law and NMSU policies/procedures, which may include the completion of a criminal history check.

Karen E. Mabry

Professor Biology Department, MSC 3AF New Mexico State University Las Cruces, NM 88003

575-646-2633

http://biology-web.nmsu.edu/mabry/   Karen Mabry <kmabry@nmsu.edu>

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NewYorkU EcoEvoGeneticsGenomics

New York University's Department of Biology invites applicants for two tenure-track faculty positions in ecological and evolutionary genetics and genomics, working on both patterns and processes across scales. This position is at the rank of assistant professor and is part of a broader life sciences initiative in which successful candidates can benefit from interactions with faculty in the Environmental Studies department.

Apply here: https://apply.interfolio.com/155792 Candidates are expected to develop an externally funded research program and to participate in the teaching mission of the Department.

The Department of Biology offers a collaborative, interactive, interdisciplinary, and innovative research environment that supports ambitious research projects across the range of biology. Our core facility provides excellent and subsidized access to microscopy, high-throughput robotics, sequencing, and high-performance computing. The Department has an active mentoring program for junior faculty and is committed to the success of all faculty.

Pay Transparency Statement In compliance with NYC's Pay Transparency Act, the annual base salary range for this position is $89,000 - $129,000. New York University considers factors such as (but not limited to) the scope and responsibilities of the position, the candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU is an equal opportunity/affirmative action employer and affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the Arts & Science commitment to diversity, equity, and inclusion, visit https://as.nyu.edu/departments/facultydiversity.html . Qualifications This search is for tenure-track Assistant Professors, ideally beginning in January 2026, pending administrative and budgetary approval. Candidates should possess a PhD, have developed a research program that indicates the potential to be a leader in their field of biological sciences, show promise in complementing their methods with an interdisciplinary approach, and have demonstrated excellence in teaching.

Application Instructions Applicants must provide with the following materials: - Short cover letter addressed to Christine Rushlow, Chair, Department of Biology, NYU - Curriculum Vitae - Teaching statement - 2 pages that describe your past teaching experience and your teaching style and philosophy - Diversity statement - 1 page that describes your past and/or potential future contributions to fostering inclusion and diversity - Names of three (3) referees who will be contacted for reference letters via Interfolio.

Applications will be accepted until November 15, 2024.

"mr176@nyu.edu" <mr176@nyu.edu>

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NewYorkU EvolutionaryAnthropology

Tenure-track job at NYU in Biological Anthropology Inbox Reply-To: Justin Pargeter <justin.pargeter@nyu.edu>

The Department of Anthropology at New York University invites applications for a tenure-track appointment as an assistant professor in Biological Anthropology. The appointment will begin September 1, 2025, subject to administrative and budgetary approval.

We seek a scholar who works on nonhuman primate systems and with components of the "omics," broadly defined. The ideal candidate will combine laboratory work in areas such as genomics, transcriptomics, proteomics, and metabolomics, with long-term field research on primates. Potential areas of research interest include, but are not limited to: the genomic architecture of phenotypic variation and adaptation to the environment; the genomics of population biology, evolution, hybridization, and introgression; the influence of the social and physical environment on biological phenotypes, including at the molecular level; and the relationships between the genome, bodies, brains, and behaviors. The candidate will join the department's highly regarded Center for the Study of Human Origins.

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. New York University strives to embody the values of respect, collaboration, and diversity, and is strongly committed to employment equity. The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives. It especially welcomes applications from members of racialized communities, persons with disabilities, women, and persons who identify as 2SLGBTQ+.

The successful candidate will hold a Ph.D. in Anthropology or a related discipline (e.g., Biology, Neuroscience, Psychology) at the time of appointment. The successful candidate will demonstrate strong potential for outstanding teaching contributions at both the undergraduate and graduate levels, and an ongoing commitment to academic and pedagogical inclusive excellence in support of the department's programs. At the undergraduate level, the appointee will be expected to teach introductory and more advanced courses in an area of their expertise. At the graduate level, the appointee will teach courses and supervise students as their contribution to the M.S. and Ph.D. programs in Anthropology. In particular, the successful candidate should be able to provide hands-on laboratory training in molecular anthropology. The successful candidate will also be able to provide training in implementing bioinformatics pipelines for the processing and assessment of molecular data. The Department of Anthropology provides a strong, supportive, and collaborative research culture, building the research capacity of faculty and graduate students. New, state of the art laboratory facilities are under construction that we anticipate will be fully operational by spring 2026.

Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber who embody the diversity of the United States and the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender, and sexual identity, or any other legally protected basis. NYU affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the Arts and Science commitment to diversity, equality, and inclusion, please read here: https://as.nyu.edu/departments/facultydiversity.html How to apply

Applicants should submit: 1) A 2-pg Cover Letter, which includes a paragraph describing your research program, a paragraph on your teaching experience and philosophy, and a paragraph describing past, present, and future contributions to creating inclusive excellence; 2) Curriculum Vitae; 3) The names of three referees. Letters of reference are not required and will not be reviewed at the initial application stage. The Department will request letters of recommendation from referees at later stages of the search process where needed. Materials should be submitted via Interfolio: https://apply.interfolio.com/153021 For full consideration, applicants should submit their materials by Oct 15th 2024. The position will remain open until it is filled. For any inquiries, please contact the Department of Anthropology administrator, Marta Arroyo, at mma9257@nyu.edu.

Justin Pargeter Assistant Professor Director: African Paleosciences Laboratory Department of Anthropology New York University 25 Waverly Place New York, NY 10003

— / —

NIBIO Norway GeneticsLabEngineer

Dear All,

We have a permanent/full-time genetics lab engineer position open at the NIBIO Svanhovd Research Station in northern Norway! The deadline for applications is 2024-09-22. https://www.jobbnorge.no/ledige-stillinger/stilling/258943/overingenioer-laboratorium There is a requirement of being able to operate in Norwegian / Swedish / Danish, but the definition is broad in the beginning, and I encourage everyone to apply who has the necessary lab skills.

I'm happy to answer any questions - Email: cornelya.klutsch@nibio.no.

Best wishes, Cornelya

Cornelya Klutsch, PhD Researcher Norwegian Institute of Bioeconomy Research Department of Ecosystems in the Barents Region Svanhovd Research Station NO-9925 Svanvik, Finnmark Email: cornelya.klutsch@nibio.no Phone: +47902 85 906

Cornelya Klutsch <cornelya.klutsch@nibio.no>

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NorthCarolinaStateU DirectorBioinformatics

Bioinformatics Research Center Director

North Carolina State University seeks nominations and applications for a visionary leader as Director of its Bioinformatics Research Center. The successful candidate will lead a dynamic research center at the nexus of Biological, Molecular, and Data Sciences. This opportunity is situated within a vibrant academic community renowned for its numerous research and training initiatives and poised to achieve even greater success as these initiatives come to fruition. The Director will be expected to help leverage resources to drive the center forward and support a bold vision.

The Director will report administratively to the Dean of the College of Sciences and provide leadership in interdisciplinary activities for a group of ~20 faculty across multiple colleges and additional affiliated personnel. It is anticipated that the successful candidate will be (1) an internationally recognized scholar qualified for faculty appointment at the rank of Full Professor in a department appropriate to their background, with (2) demonstrated commitment to teaching and training, and (3) a record of accomplished leadership and securing center grants. Exceptional candidates appropriate for the rank of Associate Professor may be considered.

The Center is aligned with the goals in the university's "Wolfpack 2030: Powering the Extraordinary" Strategic Plan, including ensuring preeminence in research, scholarship, innovation, and collaboration and leading in developing innovative partnerships, entrepreneurial thinking, and applied problem-solving. The Director will lead the center in becoming a nexus linking campus-wide efforts in computational biology, data science and STEM education. As such, the Director will work to integrate the center with NC State's interdisciplinary programs including the Integrative Sciences Initiative and the Genetics and Genomics, Global One Health, and Data Science Academies.

To apply, please go to: https://jobs.ncsu.edu/postings/-207921 NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process are welcome to contact 919-515-3148 to speak with a representative at the Office of Institutional Equity and Diversity.

Questions about the search should be directed to the search committee chair: Prof. Kimberly Sellers (kimberly_sellers@ncsu.edu).

Gavin Conant <gconant@ncsu.edu>

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PennsylvaniaStateU ResProjectManager MicrobiomeCenter

Application Instructions: https://psu.wd1.myworkdayjobs.com/en-US/PSU_Staff/job/-Research-Project-Manager—One-Health-Microbiome-Center_REQ_0000059441-1 The One Health Microbiome Center at Penn State University's Huck Institutes of the Life Sciences is home to 600 members (microbiome.psu.edu) whose mission is to optimize, advance, and disseminate microbiome knowledge, tools, and applications for positive outcomes within and across human, agricultural, and ecosystem health. A foundation of the Center is its eco-evolutionary emphasis in training, teaching, and research.

The Center seeks a self-driven and creative Research Project Manager who will work with leadership and a diverse team of faculty, scientists, trainees, and administrators from 42 departments to execute the Center's education, research, service, and business operations, with an emphasis on supporting complex, fast-paced, and large-scale projects that unsilo the Center community and microbiome sciences.

This position is full time and will commence in Spring 2025. Reporting directly to the One Health Microbiome Center Director, the candidate will manage scientific projects, grants, and meetings, write proposal applications and news releases in collaboration with faculty members, coordinate communications and socials, manage financials and general marketing, and oversee education/outreach activities.

This position offers competitive salary/benefits. The successful candidate will work on the University Park main campus while maintaining connections to several of the Penn State campuses across the state, including the Hershey Medical Center. Penn State is a top world-class and national research university home to numerous National Academy of Science members and ranked number 4 in the United States for Impact on the United Nation's Sustainable Development Goals, top 30 in the national research universities with over a 1.2 billion dollar research expenditure, and one of three institutions in the nation accorded Land Grant, Sea Grant, Sun Grant, and Space Grant status.

Seth Bordenstein, Ph.D. Dorothy Foehr Huck and J. Lloyd Huck Endowed Chair in Microbiome Sciences Professor of Biology and Entomology Director of the One Health Microbiome Center Huck Institutes of the Life Sciences Pennsylvania State University 491 Pollock Rd, W-251 Millennium Science Complex University Park, PA 16802 Phone: 814.865.1100

Lab < https://bordensteinlab.com/ > | One Health Microbiome Center < https://www.huck.psu.edu/-institutes-and-centers/microbiome-center > | YouTube < https://www.youtube.com/@SethBordenstein > | LinkedIn < https://www.linkedin.com/in/seth-bordenstein-0787413/ > Discover the Microbes Within! The Wolbachia Project < https://wolbachiaproject.org/ >

s.bordenstein@psu.edu

PurdueU BioScienceDepHead

Job Title: Department Head and Professor of Biological Sciences Location: Purdue University, West Lafayette, US

Job Description: Job Summary Purdue University invites applications for the position of Head of the Department of Biological Sciences to start July 2025. The department seeks a dynamic leader with creative vision and an outstanding record of research, administration, and teaching.

Key responsibilities of the Department Head include:

- providing leadership to support existing preeminent research programs and launch new high-impact growth areas; - leading efforts to attract, mentor, and retain high-achieving faculty; - fostering an inclusive environment; - preparing students to become scientific leaders; - managing substantial budgets; - advocating on behalf of the Department's mission to internal and external stakeholders, including cultivating long-term relationships with our alumni and fundraising; - enhancing the continuing efforts of our University and College to build interdisciplinary programs.

Department Overview Our department encompasses a broad array of innovative research areas, ranging from subcellular to ecosystem scales, along with diverse, creative educational programs. Interdisciplinary, collaborative research is supported and encouraged

both within the department and the university. Many departmental faculty members are involved in university-wide multidisciplinary research, such as through Discovery Park www.discoverypark.purdue.edu and the Purdue Institute for Cancer Research www.cancerresearch.purdue.edu. Members of the department play leading roles in the Purdue Institute for Integrative Neuroscience https://www.purdue.edu/discoverypark/institute-for-integrative-neuroscience/ and Purdue Institute of Inflammation, Immunology and Infectious Disease https://www.purdue.edu/discoverypark/pi4d/ Moreover, departmental faculty participate in translational and industrial partnerships, including patent development and the One Health initiative https://www.purdue.edu/onehealth/ . As of Fall 2024, the Biological Sciences Department is comprised of 57 faculty members and 55 staff members, 7 lecturers, 32 post-doctoral researchers, 146 graduate students, and 1244 undergraduate biology majors. Further information about the department is available at www.bio.purdue.edu . College of Science Overview The Department of Biological Sciences is one of seven departments in the College of Science, and there are numerous interdisciplinary programs and centers. Beyond the College, Purdue's strengths in Engineering, Agriculture, Veterinary Medicine, Pharmacy and the Health and Human Sciences contribute to robust research collaboration, technology development, and advanced data analysis capabilities, and it fosters a rich educational environment for students and postdoctoral fellows. Further information on the College of Science is available on the website at www.science.purdue.edu . Qualifications The successful candidate will have: a Ph.D. in Biology or a related discipline; an outstanding record of scholarly achievement and a history of extramurally funded research commensurate with the rank of full professor at Purdue; dedication to building a diverse, inclusive, and vibrant scientific community, exceptional and proven leadership abilities; an effective vision for the department in the university, state, and nation; commitment to excellence in undergraduate and graduate education; and an enthusiasm for engagement and development. Purdue University's Department of Biological Sciences is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction and engagement.

Applications We encourage qualified candidates to submit application materials online at http://hiring.science.purdue.edu . Please submit a letter of application that describes qualifications for the position, curriculum vitae, names of three references, and statement of administrative philosophy. Review of applications will begin October 15, 2024 and will continue until the position is filled. Questions should be directed to Biology Head Search Committee, Department of Biological Sciences, Purdue University, 915 Mitch Daniels Blvd., West Lafayette, IN 47907-2054 or biosci-facsearch@purdue.edu A background check is required for employment in this position.

EEO/AA Statement Purdue University is an EEO/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Original posting at:

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Rutgers EvolutionaryMedicineGenetics

https://genetics.rutgers.edu/news-events/news/625-accepting-applications-for-tenure-track-assistant-professor-in-genetics The Department of Genetics in the School of Arts and Sciences at Rutgers, The State University of New Jersey in Piscataway, NJ invites applications for an outstanding tenure-track Assistant Professor in Genetics.

We seek a researcher who leverages genetic and/or computational biology methods to investigate infectious and/or chronic human disease within an evolutionary framework. Relevant research programs would involve human or model organisms with a focus including, but not limited to, topics such as genetic variation, epigenetics, comparative genomics, reproduction, host-pathogen and/or vector co-evolution, and aging/degeneration. Candidates whose work involves the impact of rapid climate and/or environmental change on human health are especially encouraged to apply. This hire is part of a new faculty cluster in Evolutionary Medicine (https://academicaffairs.rutgers.edu/strategic-diversity-cluster-hires) that will catalyze research and teaching initiatives at Rutgers University aimed at developing innovative approaches to the treatment of chronic and acute illnesses. Other departments in the cluster include the Rutgers Departments of Ecology, Evolution, and Natural Resources, Anthropology, Biochemistry &

Microbiology, the Rutgers Health departments of Biochemistry and Molecular Biology and Psychiatry, and the Institute for Infectious and Inflammatory Diseases.

New faculty may leverage partnerships between the Department of Genetics and areas of existing strength at Rutgers, including the Center for Human Evolutionary Studies, the Center for Advanced Biotechnology and Medicine, the Institute for Food Nutrition and Health, the School of Public Health, the Environmental and Occupational Health Sciences Institute and the Rutgers Global Health Institute.

We are part of a vibrant, diverse, and interactive research community at Rutgers, an elite research institution, topping $929 million in yearly research funding (FY'23). Rutgers Life and Biomedical Sciences includes over 200 faculty members across multiple outstanding departments and institutes. Our 25 departmental faculty drive federally funded research programs in many areas of genetics and genomics. See http://genetics.rutgers.edu for a full description of departmental research. Core resources, start-up funds, and modern laboratory space will be provided.

Rutgers University hosts one of the most diverse student bodies in the United States. We are committed to diversity, equity, and inclusion, as outlined in the Rutgers DEI strategic plan (https://diversity.rutgers.edu/university-plan). We especially encourage applications from those with backgrounds underrepresented in STEM, including Black, Hispanic, Indigenous, female, and LGBTQ+ scientists.

Outstanding candidates will have a Ph.D. in genetics or a closely related field and/or M.D., a demonstrated record of significant research, and the potential to make substantial contributions as an independent investigator.

The candidate will be expected to teach undergraduate and graduate students in evolutionary genetics.

Applicants should submit a CV, a 2-3 page statement of research interests, a teaching statement, full contact information for three individuals willing to provide letters of reference, and a separate statement addressing ways in which your research, teaching, and service will foster connections with and engage our diverse student body as well as contribute to Rutgers' commitment to enhancing diversity and inclusiveness (broadly construed).

Review of applications will begin on October 15th and continue until the position is filled; timely submission of materials is recommended.

Christina Bergey, Ph.D. Assistant Professor Department of Genetics Rutgers University www.bergey-lab.org christina.bergey@rutgers.edu

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RutgersU EvolutionaryMedicine

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https://jobs.rutgers.edu/postings/234602 Christopher Ellison <cee53@hginj.rutgers.edu>

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SwissOrnithInst
BirdMigrationTracking

Dear all,

the Swiss Ornithological Institute has a long tradition in research on bird migration. We are pleased to advertise a position for a migration researcher with rich experience in studying, analyzing, and publishing tracking data from small landbird species.

If interested, please feel free to contact me (barbara.helm@vogelwarte.ch). The application deadline is on September 20th, and the full advert can be found on https://my.jobalino.ch/de/jobpreview/18844 Best wishes Barbara Helm, Head of Bird Migration Unit

Reto Burri <burri@wildlight.ch>

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TexasStateU
BiologyDepartmentChair

Job Posting Number: 20252TTL

Job Location: San Marcos

Department: Biology

Position Description

The Department of Biology at Texas State University is conducting an external search for an experienced and outstanding senior scholar to serve as Department Chair beginning Summer or Fall 2025. Appointments will be at the Professor rank with tenure. The Chair will report to the Dean of the College of Science and Engineering and will serve as the department's academic and administrative leader. The Chair is a member of the college leadership team working collaboratively with the dean, university administration, fellow department chairs and school directors, center directors, faculty members, and staff to support and advance the strategic goals of the University, college and department.

We invite applications from individuals that are excellent leaders, scientists, and communicators to lead a highly engaged and collaborative faculty committed to advancing undergraduate and graduate teaching and increasing externally funded research and innovation in strong support of the university's goal to advance to R1 status by 2027. The Biology faculty are committed to teaching students to be leaders in a world characterized by the rapid pace of emerging technologies and new scientific discoveries. We do this by immersing our students in an academically rigorous curriculum and applied learning experiences in laboratory research, field study, and design. The Chair will be expected to maintain an active research program. Teaching is not required although the opportunity is available if desired.

The Biology Department is a multidisciplinary department with ~70 faculty members, both on tenure and non-tenure tracks, which serve ~2,000 undergraduate majors, ~6,000 non-majors requiring biology classes, and >115 master's and doctoral students. The department encompasses several major programs at the undergraduate and graduate levels including Aquatic Biology, Wildlife Biology, Microbiology, Population and Conservation Biology, and Biology Education as well as a diverse range of laboratory and field-based research that includes, but is not limited to, cell physiology, ecological immunology,

hydroecology, microbial genetics/genomics, parasitology, and wildlife ecology.

Texas State University is a proud Hispanic-Serving Institution (HSI), with a diverse campus community that includes over 38,000 students with a 40.5% Hispanic and 59.5% minority representation. The student body is composed of 44% first-generation and 36% Pell-eligible students. Texas State encompasses multiple locations across central Texas and employs more than 7,000 faculty, staff, and students. Texas State has made remarkable progress in the growth of research activity and had research expenditures in FY2023 exceeding $140 million, which is comparable to Carnegie R1 institutions.

The college includes the departments of Biology, Chemistry and Biochemistry, Computer Science, Engineering Technology, Mathematics, and Physics, and the Ingram School of Engineering. The Agricultural Sciences Department will join the college in fall 2024. The college also houses the Edwards Aquifer Research and Data Center, reflective of a long-standing focus on aquatic biology and water resources. In addition to departmental Ph.D. programs, the college offers an interdisciplinary doctoral program in Materials Science, Engineering, and Commercialization in which all units participate. A hallmark of the college is the high-quality research of our faculty, which is exemplified by eighteen faculty members having received NSF Career awards since the early 2000's. Our faculty are collaborative and interdisciplinary researchers who have a strong track record of securing external funding. The college boasts the largest student enrollment at the university.

Additional information about Chair Responsibilities can be found at AA/PPS 01.02.11 Role, Evaluation, and Step-Down Salaries of Department Chairs and School Directors. This position is subject to the availability of funds. Required Qualifications

Ph.D. in biological sciences or related field. Record of instruction at the undergraduate and graduate level. Sustained record of teaching, service, and scholarly achievements consistent with the rank of a tenured, professor.

Preferred Qualifications

Demonstrated record of effective academic leadership that may include examples of professional training; university growth or new programs; innovation in curriculum; development of new facilities, funding, endowments, and partnerships; prior administrative experience; or service in national organizations, societies, or nonprofits. Successful record of maintaining a competitively funded research program. Consistent record of advising, supervising, and mentoring undergraduate and graduate

students. Experience with shared governance among diverse faculty with varying titles, ranks, and program specialties.

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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

UAdelaide EvolutionaryBiology

Please find below two academic (Teaching & Research) positions within the School of Biological Sciences at the University of Adelaide, South Australia. Lecturer in Australia is an Assistant Professor level job.

Positions close 27 October 2024.

Links to the positions can be found here: https://careers.adelaide.edu.au/cw/en/job/514715/lecturer-b-molecular-and-biomedical-science-bioinformatics - Bioinformatics

https://careers.adelaide.edu.au/cw/en/job/514716/lecturer-b-ecology-and-evolutionary-biology-botany - Botany

Kind regards,

Emma

Dr Emma Sherratt (She/Her) Director of Science Programs |Faculty of Sciences, Engineering and Technology Senior Lecturer|Discipline of Ecology and Evolutionary Biology |School of Biological Sciences Lead |Quantitative Morphology Group President | Australasian Evolution Society Associate Editor |Evolutionary Ecology(Springer Nature),Evolutionary Journal of the Linnean Society(Oxford Academic),Evolution(Oxford Academic) A: THE UNIVERSITY OF ADELAIDE, North Terrace | Benham 108 T:+618 831 31550| M:+61 4 2341 9966 E:emma.sherratt@adelaide.edu.au Zoom:https://adelaide.zoom.us/my/emmasherratt W:https://researchers.adelaide.edu.au/profile/emma.sherratt ALLYNetworkMemberhttp://ua.edu.au/allynetwork Australian University Provider Number PRV12105 CRICOS Provider Number 00123M

The University of Adelaide and the University of South Australia are combining their strengths to create a new university for the future. Australian University Provider Number PRV14404 CRICOS Provider Number 04249J

Emma Sherratt <emma.sherratt@adelaide.edu.au>

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UAkron Ohio GenomicsBioinformatics

The Department of Biology < https://www.uakron.edu/biology/ > at the University of Akron invites applications for an Assistant Professor of Genetics, Genomics or Bioinformatics position starting in August 2025. This position will fill a critical need providing Biology and Biomedical Science majors with training in genetics/genomics and related topics, which are integral for modern healthcare professionals. This position will enhance our degrees by offering lower and/or upper-level courses in a variety of topics related to genetics. The ideal candidate will have expertise in topics related to Health, Well-being and Community Flourishing such as: classical genetics, health disparities, genetic/genomic interactions with environmental exposures, behaviors associated with cancer risk and related outcomes, epigenetics of racism, human diversity, DNA vaccination, genomics/bioinformatics, population migration, biodiversity loss and/or genetics of sustainable agriculture. Successful applicants will demonstrate an ability to integrate across two or more of the college's focus areas: Data Science & Analytics (critical to working with large biological datasets), Global Change Science (e.g., emerging infectious diseases, crop responses to climate change), and Health, Well-being & Community Flourishing (e.g., human genetic diseases, population genetics). This faculty member can also provide research opportunities to our large undergraduate population, as well as supervising Master's and Ph.D. students.

The mission of the Department of Biology is to provide students with a broad understanding of biology, spanning molecules to ecosystems, through community engaged teaching, research, and service. We are seeking a tenure-track faculty in genetics, genomics, or related areas, who can maintain an active research program and teach modern genetics, genomics, and/or bioinformatics techniques to a diverse range of students.

The advertised position is part of a public and community health cluster hire being led by the Buchtel College of Arts and Sciences < https://www.uakron.edu/bcas/ >. The search is part of an effort to grow certificate and curricular pathways in health, well-being, and community flourishing, with an emphasis on increasing research and teaching expertise in topics related to the social determinants of health, urban health, and health disparities. Participating units include: the Departments of Biology, Sociology, and the School of Communication. The University of Akron strongly values inclusion and diversity of ideas, experience, and methodology within the classroom and in the research and creative activity of its faculty. As such, we welcome applicants who use integrative approaches across a range of biological, computational, humanistic, socio-cultural, community-based, prevention science, behavioral, and statistical methods.

This search seeks to build a cohort of teacher-scholars who will offer a strong contribution to the excellence of UA through teaching, scholarship, service and collaboration. Specifically, as an urban-research university, we are particularly interested in scholars whose work touches on the pressing needs of cities and urban communities. Through our teaching, scholarship, and service, we strive to create an environment where every student at the University feels included and welcomed. We value < https://www.uakron.edu/bcas/diversity/ > the contribution of each individual in their commitment to a better University of Akron, and welcome applications that demonstrate experience working with students from different backgrounds, experiences and beliefs.

Required Qualifications: Ph.D. in Biology or related area

Preferred Qualifications: Evidence of research and teaching excellence in genetics, genomics, or a related area.

Applicants' research should demonstrate potential for external funding. Applicants' research and teaching should show potential to leverage existing resources such as the local health care infrastructure (e.g. Northeast Ohio Medical School, Summa Health, Akron Children's Hospital, The Cleveland Clinic), Cleveland Museum of Natural History, Cuyahoga Valley National Park, the UA field station, or promote interactions with similar regional resources. This hire would support education in our biology and pre-health majors, graduate education in the Integrated Bioscience PhD program, and potentially reach into the underserved communities in our local urban school systems in Akron and Northeast Ohio. The ideal applicant should have Post-doctoral research experience.

Additional Job Description Application Instructions: Applicants should submit a cover letter, C.V., and contact information for three references. The application should include statements of research and teaching.

Application Deadline:

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UBritishColumbia MathEvolutionZoonoses

The Department of Microbiology & Immunology and Department of Mathematics at the Vancouver campus of The University of British Columbia invites applications for a faculty position in Mathematical Biology of Zoonotic Infections to start no earlier than July 1, 2025. This is a tenure track position at the Assistant Professor level where the candidate will be an integral part of the interdisciplinary Prepare for Pandemics through Advanced Research in Evolution (PrePARE) research cluster (https://prepare.ubc.ca/) formed to address the emergence and evolution of infectious disease. Applicants specializing in mathematical theory or computational analysis of zoonotic pathogen biology, transmission, genomics, and/or evolution are encouraged to apply, especially those with an interest in developing insights for innovative interventions. Applicants with a strong combined background in microbiology and mathematics, with interests including: host-zoonotic pathogen interactions, zoonotic pathogen evolution, One Health, vaccine effectiveness, and/or antibiotic resistance modelling to mitigate evolving infectious disease threats, would be well aligned with the mission of the PrePARE research cluster.

The position requires a PhD, postdoctoral experience, and a strong record of research achievements and publications in the field. The successful applicant will be expected to develop an innovative, externally-funded and internationally-competitive research program; supervise graduate students and postdoctoral fellows; collaborate with faculty members; teach undergraduate and graduate courses in microbiology & immunology and mathematics; and participate in service to the departments, university, and academic/scientific community. They will have a strong commitment to equity, diversity and inclusion, to create a welcoming community for all, particularly those who are historically, persistently or systemically marginalized.

The successful candidate will become a member of the Departments of Microbiology & Immunology (https://mbim.ubc.ca) and Mathematics (https://www.math.ubc.ca). The Department of Microbiology & Immunology includes 25 research faculty with strengths across the disciplines of microbiology, virology, and immunology including microbial genomics, data science, functional screening, as well as host-pathogen interactions. The Department of Mathematics is recognized as one of the largest and strongest in Canada, with research strengths across many fields of pure and applied mathematics and close connections with many other units in Science, Engineering, Medicine, and across campus. UBC hosts the headquarters of the Pacific Institute for Mathematical Sciences (pims.math.ca) which supports mathematical research activities locally and across Western Canada. The successful applicant will establish their group in the Life Sciences Institute (https://lsi.ubc.ca) and Mathematics providing ample opportunity for cross-disciplinary collaborations.

UBC's campuses are located on the traditional, ancestral, and unceded territories of the Syilx (Okanagan) Peoples and of the Coast Salish Peoples, including the territories of the xwmÉÎkwÉyÌÉm (Musqueam), SkwxwÃo7mesh (Squamish), and Stó:lÅ and SÉlÌílwÉtaÊ/Selilwitulh (Tsleil Waututh) Nations.

Applicants should submit:

1. Cover letter (up to two pages) that outlines your research vision and accomplishments, your teaching philosophy and experience, and leadership activities in academic service, equity, diversity, inclusion, and community engagement. 2. Curriculum vitae. 3. Summary of research interests describing two potentially fundable projects as well as how your research fits within the PrePARE research cluster (maximum 4 pages). 4. Statement of teaching interests and accomplishments (maximum 2 pages). 5. Statement describing your lived background experience (if comfortable), and your past experience and future plans regarding working with a diverse student body, and contributing to a culture of equity and inclusion. (maximum 1 page). 6. Letters from 3 referees.

Apply through Academic Jobs Online: https://academicjobsonline.org/ajo/jobs/28185. The closing date for applications is October 15, 2024. The starting salary range is $130,000 to $150,000 per year, depending on experience.

UBC hires on the basis of merit and is committed to employment equity. Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. Inclusion is built by individual

and institutional responsibility through continuous engagement with

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UBritishColumbia TeachingBiostatistics

Tenure-Track Assistant Professor of Teaching - Department of Zoology in the Faculty of Science at the University of British Columbia, Vancouver.

The expected starting salary range for this position is $105,000 to $130,000 per year.

Position description

The Department of Zoology at The University of British Columbia seeks candidates for an Assistant Professor of Teaching position in the tenure-track Educational Leadership stream, focused on Biostatistics and Data Science in the Biology undergraduate program.

The UBC Biology Program, which is administered by the Zoology and Botany departments, places a premium on excellent teaching. The successful candidate would join 15 other tenure-track or tenured faculty in the Educational Leadership stream. Our program consists of courses ranging from large multi-section courses to small specialty courses. We expect a successful candidate to implement state-of-the-art approaches to teaching and learning and to demonstrate innovation in pedagogy. The position is based at UBC's Vancouver campus. UBC's campuses are located on the traditional, ancestral, and unceded territories of the Syilx (Okanagan) Peoples and of the Coast Salish Peoples, including the territories of the xwmÉÎkwÉyÌÉm (Musqueam), SkwxwÃo7mesh (Squamish), and Stó:lÅ and SÉlÌílwÉtaÊ/Selilwitulh (Tsleil Waututh) Nations.

Applicants must have a background in biology or biomedical science and a strong foundation in statistics relevant for the biological sciences. A PhD and teaching experience in biostatistics are valued but not required. Candidates must demonstrate the ability or strong potential to teach large enrollment courses in biostatistics and biology (appropriate to their background) at various levels of undergraduate instruction. Successful candidates will demonstrate evidence of outstanding teaching ability and the potential to contribute to ongoing curriculum and course development. Candidates must be committed to improving biology teaching, engaging with discipline-based educational research, and leading collaborative teaching teams. They will have a strong commitment to equity, diversity and inclusion, to create a welcoming community for all, particularly for those who are historically, persistently or systemically marginalized.

Initial duties of the position will include: teaching biostatistics (specifically, BIOL 300 Fundamentals of Biostatistics); the coordination of the teaching team for multiple sections of biostatistics lectures and tutorials using R (including supervision and training of graduate teaching assistants); and teaching in other biology courses appropriate to the candidate's expertise.

As the successful candidate moves towards promotion and tenure, they will take on Educational Leadership roles which fit their skills and interests and the needs of the biology program. These roles may include the development of tutorials to incorporate basic statistics and data science principles into first and second-year biology courses, course development, pedagogical research and innovation, and curriculum development. As a member of the UBC Educational Leadership stream, the candidate is expected to demonstrate promise of strong educational leadership, and is expected to meet the requirements for promotion and tenure within the prescribed time frame (as described here: https://science.ubc.ca/sites/science.ubc.ca/files/FacultyofScience_EL_DP.pdf and https://hr.ubc.ca/sites/default/files/documents/Educational_Leadership_Stream_Criteria.pdf). To facilitate educational leadership roles, there will be opportunities to work in collaboration with Science Education Specialists (https://skylight.science.ubc.ca/contact) in the Biology program on course or curriculum development, or projects to assess pedagogy. In addition to the duties outlined above, the candidate is expected to participate actively in departmental activities, service, events, and initiatives.

How to apply

Application packages should be submitWarning: base64 decoder saw premature EOF! ted as a single PDF document, uploaded to Academic Jobs Online: https://academicjobsonline.org/ajo/jobs/28228/ . It must include: (1) Cover letter (up to 2 pages) describing interest and overall fit to the position as described above, addressed to the search committee chair, Prof. Michael Whitlock (2) Curriculum vitae, including teaching experience and evidence of teaching effectiveness

(e.g., course evaluation summaries, teaching recognition/awards, etc.) (3) Teaching statement (up to 2 pages) outlining your teaching interests and philosophy

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Deadline is 27 September 2024.

To apply formally, Search job ID# 72924 at < https://hr.ucdavis.edu/careers/apply?keywords=-&Category_category_id=All%20Categories&format=-json&MCampus%5b0%5d=&search= >

Benjamin N Sacks <bnsacks@ucdavis.edu>

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UCalifornia Davis DNAlabtech

DNA Laboratory Technician - University of California, Davis

Mammalian Ecology and Conservation Unit, Veterinary Genetics Laboratory We seek a technician to conduct DNA analyses in the Mammalian Ecology and Conservation Unit, located at the University of California in Davis, CA. The technician will be involved in genetic and genomic projects on various mammals and the occasional herp or bird as part of research and other projects under the direction of Drs. Ben Sacks and Mark Statham. Research projects will be primarily laboratory based, but may involve some field work.

The position will involve basic DNA skills (DNA extraction, PCR, Sanger sequencing), next-generation sequencing (Illumina) library preparation, ancient DNA, and other molecular methods as required. Bioinformatics capabilities and experience are a plus. The work will include a wide variety of projects, including but not limited to species- and individual-level identification of noninvasively collected genetic samples (e.g., scat, hair), metabarcoding for dietary, microbiome, and/or pathogen identification; both Sanger and next-generation sequencing, including library preparation for whole-genome and genotyping-by-sequencing; and possibly bioinformatic analysis. Demonstrated experience in at least one of the above-mentioned methods is required.

The position will be available initially for a five-month contract (with very likely extension to at least one year) and will begin as soon as possible following the deadline, ideally by October 15, 2024.

Please email Ben Sacks (bnsacks@ucdavis.edu) with: (1) a brief letter of application describing your interests and experience in the methods listed above; (2) a current curriculum vitae or resume; and (3) names, email addresses and phone numbers of at least three references.

UCalifornia Davis TeachingEvolution

Assistant Professor of Teaching Department of Evolution & Ecology College of Biological Sciences

Position Description: Nine-month, tenure track Assistant Professor of Teaching (PoT) position in the Department of Evolution and Ecology (EVE), in the College of Biological Sciences. Faculty in PoT positions are members of the academic senate and are eligible for promotion to Associate Professor of Teaching, the equivalent of tenure for ladder rank faculty. This position is in the fields of Ecology and Evolution. Successful applicants will be responsible for teaching, curricular development, and assessment of existing courses in the general area of Ecology, Evolution and Biodiversity. They will be expected to play a leadership role in the scholarship of teaching and learning, work with faculty to develop, implement and assess new pedagogical initiatives, as well as develop new courses. This PoT appointee will teach four undergraduate courses per year and provide service to the department or campus including, but not limited to, contributions to undergraduate curriculum revision, evaluation and development.

Qualified applicants must have a Ph.D. at the time of appointment and documented success in some or all of the following areas: Teaching a variety of courses in areas related to ecology and evolution; teaching large undergraduate classes, both lecture and laboratory classes; use of evidence-based teaching practices; use of modern instructional technology; ability to design and implement online courses; ability to identify and develop effective teaching strategies for diverse student populations; develop a successful portfolio of professional and scholarly activity in discipline-based education; conducting science education or assessment research; mentoring undergraduates, including those from diverse backgrounds; curriculum design and/or course design.

The University of California is committed to creating and maintaining a community dedicated to the advancement, application, and transmission of knowledge and creative endeavors through academic excellence, where all individuals who participate in University programs and activities can work and learn together in a safe and secure environment, free of violence, harassment, discrimination, exploitation, or intimidation. With this commitment, UC Davis conducts a reference check on all first-choice candidates for Academic Senate Assistant Professor, Steps 4, 5, or 6 through Professor, Assistant Professor of Teaching, Steps 4, 5, or 6 through Professor of Teaching, and Acting Professor of Law through Professor of Law positions. The reference check involves contacting the administration of the applicant's previous institution(s) to ask whether there have been substantiated findings of misconduct that would violate the University's Faculty Code of Conduct. To implement this process, UC Davis requires all applicants for any open search for these faculty positions to complete, sign, and upload the form entitled "Authorization to Release Information" into UC RECRUIT as part of their application. If an applicant does not include the signed authorization with the application materials, the application will be considered incomplete, and as with any incomplete application, will not receive further consideration. Although all applicants for faculty recruitments must complete the entire application, only finalists considered for these faculty positions will be subject to reference checks.

Basic Qualifications (required at application): PhD in Biological Sciences or related disciplines and experience teaching college-level biology courses.

Preferred Qualifications: Documented success in some of the following areas: Teaching large undergraduate lecture and laboratory classes; Teaching introductory and advanced courses in ecology and evolution; Experiential learning; Use of evidence-based teaching practices; design and implementation of on-line courses; Ability to develop effective teaching strategies for diverse populations; Use of modern instructional technology including virtual classrooms and online instruction.

Application Requirements: For fullest consideration, please review the full position description, which provides guidance on application requirements: https://recruit.ucdavis.edu/JPF06690. Application packages should include the following documents: current Curriculum Vitae, Cover Letter, Statement of Research, Statement of Contributions to Diversity, Equity, and Inclusion, Statement of Current and Proposed Teaching, 3 letters of recommendation, and Authorization to Release Information form.

Open Date: September 15, 2024

Initial Review Date: November 1, 2024 by 11:59pm PST - Must be completed application and apply by this date to ensure full consideration.

Final Review Date: February 21, 2025 by 11:59pm PST - Applications will continue to be accepted until this date, but those received after the

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UCentralFlorida GenomicsBioinformaticsClusterLead

Professor and Cluster Lead, Genomics and Bioinformatics Cluster The Opportunity

The Faculty Cluster Initiative (FCI) at the University of Central Florida (UCF) is recruiting for a 9-month tenured professor who will act as the lead for the Genomics and Bioinformatics Cluster (https://www.ucf.edu/research/genomics-bioinformatics/). This position has an anticipated start date of August 8, 2025. An ideal candidate should have a strong background in genomics and bioinformatics, and in computational approaches used to analyze large genomic datasets. The candidate should have demonstrable leadership experience, preferably with multidisciplinary teams, and a strong record of continual extramural funding.

The new Genomics and Bioinformatics Cluster lead can join any of three host departments - The Burnett School of Biomedical Sciences (College of Medicine), Biology (College of Sciences), or Computer Science (College of Engineering and Computer Science); or be jointly appointed among them as appropriate to qualifications and interest. The cluster lead will be expected to develop a research program that strengthens their tenure home department and the cluster.

UCF is one of the nation's largest universities with a diverse student body of approximately 68,000 students. UCF has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers 240 degree programs. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation.

Minimum Qualifications: - A Ph.D. or equivalent Doctoral degree from an accredited institution in computer science, bioinformatics, computational biology, biological sciences, biomedical sciences, or a closely related discipline. - Extensive experience in cutting-edge bioinformatics methods, with applications in biological sciences, biomedical sciences, or AI in medicine. - A strong, consistent, and recent funding record from the NIH, NSF, or other equivalent agencies in genomics and bioinformatics and demonstrated leadership in interdisciplinary research and/or education programs, potentially evidenced by currently, or previously, having held a leadership position at one's current, or a previous, academic institution. - To be eligible for appointment as a tenured professor upon hire, the selected candidate must have a demonstrated record of teaching, research, service, and leadership commensurate with a tenured faculty appointment at the rank of professor, in the applicable tenure home. Evidence of such a record could be demonstrated by holding the rank of full professor at one's current institution.

Preferred Qualifications: The ideal candidate would also have proficient teaching skills and the capacity to communicate effectively with both graduate and undergraduate students, whether in large or small audiences.

Additional Application Materials Required: UCF requires all applications and supporting documents to be submitted electronically through the Human Resources employment opportunities website, https://www.ucf.edu/jobs/. In addition to the online application, candidates should upload a cover letter, a current curriculum vitae, a statement of career goals no more than 3 pages discussing their research, teaching, and their vision to lead an interdisciplinary bioinformatics and genomics group, and a list with contact information for three (3) professional references. In the cover letter, candidates should address their background in genomics and bioinformatics, their leadership experiences, and should identify the anticipated department(s) for their potential tenure home. NOTE: Please have all documents ready when applying so they can be simultaneously uploaded. Once the online submission process is finalized, the system does not allow applicants to submit additional documents later. Questions regarding this search should be directed to Naya Ramirez, HR Partner, Search Committee Manager, at Nayade.Ramirez@ucf.edu; or to Maria Fernandez, Human Resources Coordinator III, Search Committee Manager, at Maria.Fernandez@ucf.edu. Review of applications will begin in October 2024 and continue until the position is filled.

Job Close Date: Open until filled. Note to applicants: Please keep in mind that a job posted as âuntil filled' may close at any time without notice. As such, we encourage you to submit your application and all required documentation as quickly as possible to ensure consideration for the posted position.

Are you ready to unleash YOUR potential?

As a next-generation public research university and Forbes-ranked top employer in Florida, we are a community of thinkers, doers, creators, innovators, healers, and leaders striving to create broader prosperity

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UConnecticut ResTechAnimalCare

The University of Connecticut is searching for a full-time lab research technician, to work in Dr. Daniel Bolnick's lab group in the Department of Ecology and Evolutionary Biology, on the evolutionary genetics of fish immunity to tapeworm parasites.

The primary responsibility of the technician will be to run the lab's fish colony of threespine stickleback. Secondary responsibilities include assisting with laboratory experiments, and lab management tasks. This position is funded by a National Institute of Allergy and Infectious Disease (NIAID) grant to map the genetic basis of differences in immunity between natural populations of fish, and differences in immune suppression between populations of tapeworm parasites.

Tasks: Animal colony management includes feeding fish, aquarium system maintenance, monitoring fish health, record keeping, and breeding lab animals. The technician will also supervise and coordinate other lab members who contribute fish care help. Secondary responsibilities related to the fish colony will be to collaborate with lab members doing laboratory experiments (e.g., vaccination assays) and associated laboratory work. In addition the technician will help with general lab management including purchasing lab supplies for lab members, ensuring safety compliance, and helping to keep the lab organized.

Minimum Qualifications: Applicants must be have an undergraduate degree (BSc or BA) in biology or a related field. They must be organized and reliable and have the

ability to carry out independent laboratory research and fish care protocols after initial training. Previous educational experience and work records should demonstrate a good work ethic, organizational ability, and interest in scientific research.

Preferred Qualifications: Experience with animal care is strongly preferred. Prior experience with care of fish or other aquatic organisms is especially valuable. Some prior experience with laboratory research such as (but not limited to) molecular genetics, immunology, or cell biology, is helpful but not required.

Start date and duration: The position is available to begin as early as September 16, and we would prefer candidates who could begin before October 1. The position will begin with a one year appointment subject to renewal for up to four years. The position might be extended for additional years beyond four, if additional grants are funded.

Salary is expected to be between $38,000-$45,000 per year depending on qualifications.

Applicants should electronically submit a single pdf file containing the following in order:

1. Cover letter (1 - 2 pages), including summary of relevant job experience, research experience, career goals, and how this position fits your career plans.

2. CV

3. List of two (or three?) references, with contact information (email, telephone and mailing address)

We will request letters directly from these references, after identifying top candidates.

The application pdf file should be emailed to Dr. Daniel Bolnick (daniel.bolnick@uconn.edu). Include the subject line "Fish Care Technician Application: <YOUR NAME>". Applications must be received by September 15, 2024 for full consideration though late applications may be considered.

For questions about this position, please email Dr. Bolnick (daniel.bolnick@uconn.edu). For information about the Bolnick Lab, visit the lab website (https://bolnicklab.wordpress.com), and Dr. Bolnick's Google Scholar page < https://scholar.google.ca/-citations?user=cfwxm0AAAAAJ&hl=en >.

The University of Connecticut is an Equal Opportunity Employer. Applicants with questions about disability services can privately discuss their application with the University of Connecticut Disability Services Office.

Dr. Daniel I. Bolnick Professor, Ecology and Evolutionary Biology & Institute for Systems Genomics

daniel.bolnick@uconn.edu

MAIL TO: Department of Ecology and Evolutionary Biology Affiliate Professor, Molecular & Cellular Biology; Institute for Systems Genomics 75 N. Eagleville Road, Unit 3043 University of Connecticut Storrs, CT 06269-3043, USA

Office Phone: 860-486-3156 Lab Phone: 860-486-3937 Cell Phone: 512-809-6217

Office:PBB 305C Lab: PBB 317&319; ATW 232, 234, 236 Lab website: https://bolnicklab.wordpress.com "Bolnick, Daniel" <daniel.bolnick@uconn.edu>

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UGeorgia EvolutionaryHumanGenetics

UGA Genetics is hiring an Assistant Professor in Human Genetics, and we strongly encourage applications from evolutionary biologists!

ASSISTANT PROFESSOR IN HUMAN GENETICS

The Department of Genetics at the University of Georgia (UGA) invites applications for a tenure-track Assistant Professor in Human Genetics. The ideal candidate will establish an active and independent research program grounded in the genetic study of human populations related to human biology, development, evolution, and/or disease. The candidate may also use computational and/or model experimental systems to address mechanistic questions.

The Department of Genetics offers a collegial work environment that spans a broad range of research, from developmental and molecular genetics to evolutionary biology and ecology, with strengths in functional genomics, chromatin biology, evolutionary genetics, and microbiology. Laboratory and office space is located in a building shared by the Department of Genetics, the Department of Biochemistry & Molecular Biology, and the Institute of Bioinformatics. There are excellent opportunities for collaborations among faculty as well as access to the Georgia Genomics and Bioinformatics Core, the Biomedical Microscopy Core, and the Georgia Advanced Computing Resource Center.

The University of Georgia resides in the vibrant city of Athens in the northern Piedmont region of Georgia. Athens is located 65 miles east of Atlanta, less than

two hours from the Chattahoochee National Forest and southern Appalachian Mountains, and within easy driving distance of the Atlantic coast. Athens is home to a thriving arts and music community and prides itself on its cultural diversity (http://www.visitathensga.com).

A Ph.D. (or equivalent) in Genetics or a related field with one or more years of postdoctoral experience is required at the time of appointment. Candidates should submit application materials electronically using this link: https://www.ugajobsearch.com/postings/397866. Applications must include 1) cover letter, 2) curriculum vitae, 3) a statement of research interests and goals (up to 2 pages), and 4) a combined teaching and mentoring statement (up to 2 pages), which should integrate ideas and efforts that support UGA's values, promote inclusive excellence, and enrich our missions of teaching, research, and service (https://uga.edu/about/mission). Candidates should also submit names and contact information for three references. The search committee will contact references after the initial screening of applications.

Review of applications will begin on November 20, 2024 and continue until the position is filled. Informal inquiries and questions may be addressed to the chair of the search committee, Dr. Kaixiong Ye (kaixiong.ye@uga.edu) or the Head of Genetics, Dr. Michael Arnold (mlarnold@uga.edu).

The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search should contact the University of Georgia Human Resources department (hrweb@uga.edu).

Andrea L. Sweigart Professor Department of Genetics 120 East Green Street Davison Life Sciences Building, C218 University of Georgia Athens, GA 30602-7223

office phone: (706)-542-7001 sweigart@uga.edu http://sweigartlab.genetics.uga.edu Andrea Sweigart <sweigart@uga.edu>

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UGlasgow ComparativeGenomics

University of Glasgow College of Medical, Veterinary and Life Sciences School of Biodiversity, One Health and Veterinary Medicine

Professor/Senior Lecturer of Comparative Genomics Vacancy Ref: 153610 Salary: Professor, Grade 10 will be within the Professorial range and subject to negotiation Senior Lecturer, Grade 9, 57,696 - 64,914 per annum

The School of Biodiversity, One Health and Veterinary Medicine has an exciting opportunity to appoint a Professor/Senior Lecturer in Comparative Genomics. You will make a substantial and positive contribution to the strategic direction of the School/College through leading and contributing to research of international standard, high quality teaching at both undergraduate and postgraduate level, securing research funding, and providing academic leadership and management within the School/College.

Applications are invited from candidates of international standing with an appropriate record of academic achievement in comparative genomics and associated omics technologies. We are looking for a candidate who will complement our existing strengths in clinical veterinary medicine, evolutionary biology, and animal physiology, with a demonstrable interest in using domestic mammals among their study systems. We are particularly interested in applications from candidates with a track record of studying health related traits and their underlying genomic basis in companion animals. Traits of specific interest include those related to metabolism, ageing, and disease (e.g. cancer, autoimmune diseases, neuromuscular disorders).

The School of Biodiversity, One Health and Veterinary Medicine is home to researchers studying organismal biology and animal health across a diverse range of systems, approaches and disciplines with existing strengths in infectious disease, physiology, ageing, veterinary epidemiology, and evolution among others. You will be based on the University of Glasgow's Garscube campus, where the majority of veterinary teaching and research infrastructure is located. This includes the Small Animal Hospital (a recent 15M investment) and our Veterinary Diagnostic Services, offering excellent opportunities for collaborative research at the clinical and translational interface, especially with respect to companion animals.

We welcome applications from candidates with a Scottish Credit and Qualification Framework level 12 (PhD) in animal biology, genomics and health or related discipline with an extensive and established reputation in research and significant teaching experience within the subject area.

This post is full time and open ended.

Visit our website for further information on The University of Glasgow's, School of Biodiversity, One Health & Veterinary Medicine, https://www.gla.ac.uk/schools/-bohvm/ Informal Enquiries should be directed to Professor Roman Biek, Roman.Biek@glasgow.ac.uk

Apply online at: https://my.corehr.com/pls/-uogrecruit/erq_jobspec_version_4.jobspec?p_id=153610 We believe that we can only reach our full potential through the talents of all. Equality, diversity and inclusion are at the heart of our values. Applications are particularly welcome from across our communities and in particular people from the Black, Asian and Minority Ethnic (BAME) community, and other protected characteristics who are under-represented within the University. Read more on how the University promotes and embeds all aspects of equality and diversity within our community https://www.gla.ac.uk/myglasgow/humanresources/-equalitydiversity/ We endorse the principles of Athena Swan https://www.gla.ac.uk/myglasgow/-humanresources/equalitydiversity/athenaswan/ and hold bronze, silver and gold awards across the University.

We are investing in our organisation, and we will invest in you too.

The University of Glasgow, charity number SC004401.

Dr. Kevin Parsons Editor in Chief - Evolutionary Biology School of Biodiversity, One Health, and Veterinary Medicine University of Glasgow

Phone: +44 (0) 0141 330 5974

https://sites.google.com/site/kevinparsonslab/-home http://www.gla.ac.uk/researchinstitutes/-bahcm/staff/kevinparsons/ Kevin Parsons <Kevin.Parsons@glasgow.ac.uk>

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UKansas BeeBiodiversityEvolution

Charles D. Michener Assistant Professor and Assistant Curator in Bee Biodiversity and Evolution,

Department of Ecology & Evolutionary Biology and Biodiversity Institute

We invite applications for the tenure-track Charles D. Michener Assistant Professor/Assistant Curator in Bee Biodiversity and Evolution. The department is interested in candidates applying cutting edge collections-based approaches to address fundamental questions in bee biodiversity, systematics, phylogenetics, and evolution. KU's Ecology & Evolutionary Biology (EEB) department and Biodiversity Institute (BI), with their close ties to the Kansas Biological Survey & Center for Ecological Research and Center for Genomics, provide many opportunities for cross-disciplinary, integrative research. The successful candidate will be expected to develop an externally funded, internationally recognized research program in Bee Biodiversity and Evolution and have a demonstrated commitment to excellence in collections, teaching, mentoring, and service.

Founded in 1865, KU is the state's flagship university and as a premier research institution is one of only 34 public members of the prestigious Association of American Universities (AAU). The university enrolls more than 28,000 students with many top ranked graduate programs. The campus is situated in the historic, diverse, and culturally vibrant city of Lawrence, Kansas, 40 minutes from the Kansas City metropolitan area. The Department of EEB is one of the largest and most productive departments in its field and the BI is a University Designated Research Center and one of the premier research and educational institutes of its kind, with a public facing Natural History Museum that offers numerous programs. The Snow Entomological Collection within the Biodiversity Institute is one of the largest university-based insect collections. Founded in 1870, it contains several historic and current taxonomic strengths, including a world-class bee collection. Applicants must have a Doctoral degree in relevant field by the time of appointment. Applicants should demonstrate a commitment to excellence in research, collections, and teaching as evidenced by accomplishments outlined in CV and written statements.

For a complete announcement and to apply online, go to: http://www.employment.ku.edu/academic/29083BR. A

complete online application includes the following materials: cover letter, curriculum vitae, statement of research interests and future directions (up to three pages); statement of teaching philosophy, experience, and interests (up to three pages); statement of curatorial and data-management philosophy, experience, and interests (up to three pages); and the names, e-mail addresses, and contact information for at least three references.

First Review of applications will begin November 1, 2024 and will continue until the position is filled. Position inquiries can be directed to search committee chair Dr. Bruce S. Lieberman (blieber@ku.edu).

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the university's programs and activities. Retaliation is also prohibited by university policy. The following persons have been designated to handle inquiries regarding the nondiscrimination policies and are the Title IX coordinators for their respective campuses: Associate Vice Chancellor for the Office of Civil Rights and Title IX, civilrights@ku.edu, Room 1082, Dole Human Development Center, 1000 Sunnyside Avenue, Lawrence, KS 66045, 785-864-6414, 711 TTY (for the Lawrence, Edwards, Parsons, Yoder, and Topeka campuses); Director, Equal Opportunity Office, Mail Stop 7004, 4330 Shawnee Mission Parkway, Fairway, KS 66205, 913-588-8011, 711 TTY (for the Wichita, Salina, and Kansas City, Kansas medical center campuses).

Justin Blumenstiel Professor, Department of Ecology and Evolutionary Biology University of Kansas Lawrence, KS 66045

jblumens@ku.edu

"No Drosophila female could conceivably lay two billion eggs in her lifetime". Lewontin and Hubby. 1966.

jblumens@ku.edu

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UMassachusetts Amherst Two CellularEvoDevo

The Department of Biology at the University of Massachusetts Amherst invites applications for two tenure-track Assistant Professor positions to start as soon as September 1, 2025. One position is in the area of Developmental Cell Biology and the other is in any area of Plant Biology. The successful candidate will be expected to establish a vibrant, externally funded research program, effectively teach and mentor undergraduate and graduate students, and contribute to service in support of the department and college. Of particular importance, the successful candidate will have a demonstrated understanding of the strength that is brought to science through diversity, equity, inclusivity, and accessibility. With recent and ongoing hiring in Biology, the successful candidates will join a new junior faculty cohort in neurobiology, genetics, plant, and developmental cellular biology. Faculty members train graduate students through interdepartmental graduate programs in Molecular and Cellular Biology, Neuroscience and Behavior, Plant Biology, and Organismic and Evolutionary Biology.

Evaluation of applications for both positions will begin on October 15, 2024, and continue until the positions are filled.

1) Developmental Cell Biology (Search R#524681; https://careers.umass.edu/en-us/job/524681/-assistant-professor-developmental-cell-biology): We seek to hire a faculty member whose research program focuses on examining the cellular mechanisms of development, such as cell signaling, differentiation, proliferation, motility/migration, cell death, and/or cellular mechanisms driving developmental evolution (Cellular Evo/Devo). The research organism used is open and could include animal, plant, or fungal species, as well as emerging model systems. The successful candidate would be joining a department with strengths in cytoskeletal and nuclear cell biology, developmental biology of plants and fishes, and organismal evolutionary biology. Questions pertaining to this position can be directed to the search committee chair, Dr. Lillian Fritz-Laylin at DevCellSearch@groups.umass.edu.

2) Plant Biology (Search R#524682; https://-careers.umass.edu/en-us/job/524682/assistant-professor-plant-biology): Although the search is

unrestricted with respect to the research area or organism (algae to angiosperms), we are keen to hire a biologist who investigates molecular mechanisms. The successful candidate will show potential to synergize with other members of the department: biologists who study physiology, cell biology, evolution, and development. Modern research approaches including genomics, advanced imaging, or computational methods are welcome. The successful candidate will also contribute to the department's mission through teaching lecture or laboratory courses in their area of specialty. The Biology department provides an interactive and broad research environment, with faculty whose research spans all levels of biological organization. Questions pertaining to this position can be directed to the search committee chair, Dr. Tobias Baskin at PlantBiolSearch@groups.umass.edu.

A Ph.D. in Biology or a related field and postdoctoral experience are required. We are seeking talented applicants qualified for an assistant professor position. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration.

Applicants should include a (1) cover letter, (2) curriculum vitae, (3) Research Statement, (4) Teaching Statement, (5) Contributions to Inclusive Excellence Statement (see below), and (6) contact information for three [3] professional references.

At UMass Amherst and in CNS, we strive to be a community where every individual feels a sense of belonging, where every individual is included, and where every individual is valued. The successful candidate will have a demonstrated commitment to diversity and will be an individual who understands and embraces university initiatives and aspirations directed toward all members of campus. You can find these values and goals here (https://www.umass.edu/strategicplan/strategicplan). For this reason, your statement should address how you see yourself contributing to our community and/or our shared goals of building a more inclusive, equitable, and diverse community. This should identify past accomplishments and future goals; these include contributions from experiences, scholarships, mentoring, teaching, and outreach activities.

The University is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected

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UMassachussetts Amherst PlantEvoDevo

The Department of Biology at the University of Massachusetts Amherst invites applications for two tenure-track Assistant Professor positions to start as soon as September 1, 2025. One position is in the area of Developmental Cell Biology and the other is in any area of Plant Biology. The successful candidate will be expected to establish a vibrant, externally funded research program, effectively teach and mentor undergraduate and graduate students, and contribute to service in support of the department and college. Of particular importance, the successful candidate will have a demonstrated understanding of the strength that is brought to science through diversity, equity, inclusivity, and accessibility. With recent and ongoing hiring in Biology, the successful candidates will join a new junior faculty cohort in neurobiology, genetics, plant, and developmental cellular biology. Faculty members train graduate students through interdepartmental graduate programs in Molecular and Cellular Biology, Neuroscience and Behavior, Plant Biology, and Organismic and Evolutionary Biology.

Evaluation of applications for both positions will begin on October 15, 2024, and continue until the positions are filled.

1) Developmental Cell Biology (Search R#524681; https://careers.umass.edu/en-us/job/524681/-assistant-professor-developmental-cell-biology): We seek to hire a faculty member whose research program focuses on examining the cellular mechanisms of development, such as cell signaling, differentiation, proliferation, motility/migration, cell death, and/or cellular mechanisms driving developmental evolution (Cellular Evo/Devo). The research organism used is open and could include animal, plant, or fungal species, as well as emerging model systems. The successful candidate would be joining a department with strengths in cytoskeletal and nuclear cell biology, developmental biology of plants and fishes, and organismal evolutionary biology. Questions pertaining to this position can be directed to the search committee chair, Dr. Lillian Fritz-Laylin at DevCellSearch@groups.umass.edu.

2) Plant Biology (Search R#524682; https://careers.umass.edu/en-us/job/524682/assistant-professor-plant-biology): Although the search is

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A Ph.D. in Biology or a related field and postdoctoral experience are required. We are seeking talented applicants qualified for an assistant professor position. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration.

Applicants should include a (1) cover letter, (2) curriculum vitae, (3) Research Statement, (4) Teaching Statement, (5) Contributions to Inclusive Excellence Statement (see below), and (6) contact information for three [3] professional references.

At UMass Amherst and in CNS, we strive to be a community where every individual feels a sense of belonging, where every individual is included, and where every individual is valued. The successful candidate will have a demonstrated commitment to diversity and will be an individual who understands and embraces university initiatives and aspirations directed toward all members of campus. You can find these values and goals here (https://www.umass.edu/strategicplan/strategicplan). For this reason, your statement should address how you see yourself contributing to our community and/or our shared goals of building a more inclusive, equitable, and diverse community. This should identify past accomplishments and future goals; these include contributions from experiences, scholarships, mentoring, teaching, and outreach activities.

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UNorthCarolina ChapelHill PlantEvolutionaryBiology

Please note, due to a clerical error an incorrect version of this ad was posted on September 27. Please refer instead to the version below.

The Department of Biology at UNC Chapel Hill (https://bio.unc.edu/) is searching for a Plant Evolutionary Biologist at the Assistant Professor level. This is part of a cluster hire that includes two plant molecular biologists.

We seek candidates asking important questions in plant evolutionary biology. Topics of interest may include but are not limited to biodiversity, macroevolution, evolutionary response to global change, or evolutionary mechanisms. We especially encourage applications from scientists who study evolution across scales and integrate different approaches, such as genomic, molecular, phylogenetic, or computational techniques; and/or who combine laboratory experimentation with studies of natural populations.

All candidates must have earned a Ph.D. or equivalent degree, have post-doctoral research experience, and be committed to teaching at the undergraduate and graduate levels. Successful candidates are expected to build an active research group, secure competitive external funding, and participate actively in the scientific community at UNC-CH.

The University of North Carolina at Chapel Hill is a vibrant center of scientific discovery and innovation, with a commitment to collaboration. Our large research base spans many areas of biology and supports several outstanding graduate programs. The Department of Biology consists of over 50 faculty engaged in basic and interdisciplinary research, within the department and between other departments and schools at UNC.

Successful candidates will have opportunities for synergy with other units at UNC such as the curriculum in Genetics and Molecular Biology, the Curriculum in Bioinformatics and Computational Biology, the Environment, Ecology, and Energy Program, the Departments of Geography, Earth Marine and Environmental Sciences, and Applied Physical Sciences, the NC Botanical Garden and Herbarium, the School of Data Science, the Institute of Convergent Sciences, The Galapagos Center, the Institute for the Environment, and the Carolina Biodiversity Collaborative.

UNC faculty, postdocs and graduate students routinely interact with colleagues at nearby Duke and North Carolina State Universities, and institutions in Research Triangle Park. The quality of life in North Carolina's Triangle area is consistently rated among the highest in the nation.

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.

To apply for the position, please visit https://-unc.peopleadmin.com/postings/288645. Submit a cover letter, curriculum vitae, a research statement (~3 pages), a teaching and mentoring statement (~1 pages), and 3 representative publications (uploaded as "Writing/research Sample", "Other Document", and "Other Document 2"). The cover letter should state the names and contact information for four references. The online application will also prompt you for referee names and email addresses. If added to the application, referees may receive automated emails with instructions for submitting letters of recommendation to the recruitment system at a future phase in the selection process. Review of applications will begin October 11, 2024. The position will be effective on or after July 1, 2025. Referees should submit signed letters of recommendation on institutional letterhead. For further details contact biolsearch@unc.edu or servedio@email.unc.edu.

Dr. Maria Servedio Department of Biology University of North Carolina CB# 3280, Coker Hall Chapel Hill, NC 27599 Phone: 919-843-2692 Fax: 919-962-1625 e-mail: servedio@email.unc.edu https://-/sites.google.com/view/servedio-lab/home "Servedio, Maria R" <servedio@email.unc.edu>

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UOklahoma ComputationalBiologist

Description

The School of Biological Sciences < https://-www.ou.edu/cas/sbs > (SBS) at the University of Oklahoma (OU) and Laboratories of Molecular Anthropology and Microbiome Research < https://lmamr.org/ >
(LMAMR) invite applications for a 9-month tenure-track appointment with a starting Fall 2025.

We seek an innovative, creative and collaborative computational biologist who will establish a discipline-leading, student-involved, cross-disciplinary and externally funded research program; build collaborations within and outside the University; and work with colleagues and students toward OU's Lead On Strategic Plan < https://www.ou.edu/leadon >.

We invite individuals with innovative, and dynamic research programs who would like to be part of a collaborative group of researchers to apply for this faculty position. We are seeking a scholar whose home department would be School of Biological Sciences but would also be affiliated with the Laboratories of Molecular Anthropology and Microbiome Research (LMAMR) at the University of Oklahoma. LMAMR represents an interdisciplinary partnership that seeks to understand biocultural, ecological and evolutionary dimensions of life. We study biomolecules retrieved from extant, forensic, historical, archaeological, and environmental materials, with special attention to humans and human-associated organisms including commensals and pathogens. LMAMR is also home to a world-class ancient DNA laboratory.

The ideal candidate will specialize in Computational Biology with a focus in Metagenomics or Machine Learning with genomic data. This position will contribute substantially to the ongoing research in Metagenomics and Paleogenomics at the University of Oklahoma, particularly in the context of one or more of the four SBS research themes < https://www.ou.edu/cas/sbs/research-themes > "Ecology of Changing Planet", "Biological Foundations of One Health", "Mechanisms of Biodiversity", or "Behaviors: From Molecules to Ecosystems". We are especially interested in scholars who are innovating tools, methods and algorithms for the analysis of genomic data.

The successful candidate will be expected to provide training for graduate students and postdocs and mentor undergraduates in research and will contribute to undergraduate and graduate teaching (one course per semester) in areas such as in Metagenomics, Bioinformatics, Machine Learning for Biologists, and/or in their specific area of expertise. For additional details, please visit https://www.ou.edu/cas/sbs and https://lmamr.org/ The University of Oklahoma invests in its faculty by providing support and resources through the Center for Faculty Excellence < https://www.ou.edu/cfe > and Vice President for Research and Partnerships Office < https://www.ou.edu/research-norman >. The Dodge Family College of Arts and Sciences supports faculty

development through mentoring, new faculty orientation series, and access to research and educational supports. We encourage candidates to apply who are seeking to work in a collaborative multi-PI lab setting and a rapidly growing college with collegial interdisciplinary groups and strong academic units.

University of Oklahoma

The University of Oklahoma (OU) is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic, and healthcare needs of the state, region, and nation from three campuses: Norman, Health Sciences Center in Oklahoma City and the Schusterman Center in Tulsa. OU enrolls over 32,000 students and has more than 2,700 full-time faculty members in 21 colleges.

The Norman Community

Norman is a vibrant university town of more than 130,000 inhabitants with a growing entertainment and art scene. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender in "best place to live" rankings. Visit http://soonerway.ou.edu for more information. Within an easy commute, Oklahoma City features a dynamic economy and outstanding cultural venues adding to the region's growing appeal.

Qualifications

Required Qualifications:

§Ph.D. in Biology, Bioinformatics or other related field in hand by start date.

§Established record of high-quality research and publications.

§Demonstrated record of, or clear potential for, strong extramural funding.

§Familiarity with effective teaching practices and mentoring approaches that support students from a wide range of backgrounds.

§Commitment to teaching undergraduate and graduate courses that engage

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UOklahoma InvertebrateCurator

Dear friends and colleagues,

I hope this message finds you well (and please pardon the cross-posting)! We are recruiting an Assistant/Associate Professor of Biological Sciences and Assistant/Associate Curator of Recent Invertebrates (a single position with two appointments; Tenure Track/Tenured) at the University of Oklahoma. The search is now open, and the committee will begin reviewing applications on *October 23, 2024 *(though the position will be open until filled).

Please see the attached job ad for details. The link for the posting is also pasted below, with all the relevant information for the position: http://apply.interfolio.com/-154669 I would greatly appreciate your sharing this opportunity with your network!

Thank you!

Dr. Keng-Lou James Hung, Assistant Professor

Oklahoma Natural Heritage Inventory & Oklahoma Biological Survey

The University of Oklahoma

111 East Chesapeake St., Norman, OK 73019, USA

Email: kljhung@ou.edu

https://www.ou.edu/cas/biology/people/faculty/-James-Hung he|him|his

Keng-Lou James Hung <kenglou.hung@gmail.com>

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UOklahoma OrnithologyCurator

Assistant Professor of Biological Sciences and Assistant Curator of Ornithology, Tenure Track University of Oklahoma Norman Campus: Dodge Family College of Arts and Sciences: Biological Sciences Location: University of Oklahoma-Norman Campus Open Date: Sep 23, 2024

Description: The Sam Noble Oklahoma Museum of

Natural History(SNM) and the School of Biological Sciences(SBS) at the University of Oklahoma (OU) invite applications for a full-time 12-month tenure-track split position as Assistant Curator (0.59 FTE)/Assistant Professor (0.41 FTE) with a start date Fall 2025.

We seek an innovative, creative and collaborative colleague with a record of collection-based research in Ornithology who will establish a discipline-leading, student-involved, cross-disciplinary and externally funded research program; build collaborations within and outside the University; and work with colleagues and students toward OU's Lead On Strategic Plan.

The ideal candidate will perform collection-based research in any subfield of Ornithology, including but not limited to the following: Systematics, Phylogeny Reconstruction, Comparative Genomics, Landscape/Population Genetics, Biodiversity, Geographical Ecology, Global Change Biology, and/or Evolutionary or Conservation Biology, and have experience working with museum collections. We are especially interested in candidates who use genetic or genomic tools and datasets in combination with innovative computational, ecological, behavioral and/or comparative approaches to address questions within the context of one or more of thefour SBS research initiatives.

The successful candidate will be expected to: (1) develop and maintain an extramurally-funded research program; (2) grow and curate the collection of birds; (3) contribute to museum public exhibit development and support; (4) develop and contribute to museum education and community outreach activities; and (5) contribute to undergraduate and graduate teaching, including instruction of one course per year in Ornithology, Animal Behavior, Biogeography, Genetics, Evolution, Ecological Modeling, or Bioinformatics.

The Sam Noble Museum of Natural History is a Provost-direct unit and the designated museum of natural history for the State of Oklahoma. The museum has an outstanding curatorial, collections, education, exhibits and support staff that serve the museum's mission from research to preservation to education. The School of Biological Sciences was recently established through the integration of the departments of Biology and Microbiology & Plant Biology to align programs and research with faculty strengths and theOU Norman Research Strategic Verticals.

The University of Oklahoma invests in its faculty by providing support and resources through theCenter for Faculty ExcellenceandVice President for Research and Partnerships Office. The Dodge Family College of Arts and Sciences supports faculty development through mentoring, new faculty orientation series, and access to research

and educational support. We encourage candidates to apply who are seeking to work in a university-based museum and a rapidly growing college with collegial interdisciplinary groups and strong academic units.

Qualifications Required Qualifications:

Ph.D. in Biology, Ornithology or other related field at the time of application.Established record of high-quality research and publications.Demonstrated record of, or clear potential for, strong extramural funding.Familiarity with effective teaching practices and mentoring approaches that support students from a wide range of backgrounds.Record of specimen-based collection experience and potential for specimen-based curation and obtaining collection grants.Record of or potential for collection interpretation, exhibition development, and science communication.Demonstrated or explicit commitment to outreach, community engagement, and service to the museum, school, university, and discipline.Commitment to teaching undergraduate and graduate courses that engage students as they explore Museology and Biological sciences, provide the skills and knowledge needed to succeed in the museum and bioscience workforce, and encourage students to become active members of the museum and scientific community.

Preferred Qualifications:

Experience leading collaborative projects and working with interdisciplinary teams.Demonstrated teaching record, evidenced by list of courses taught, description of innovative pedagogy, effective student engagement, and/or a history of positive student and peer evaluations.Demonstrated potential for Sam Noble Museum collection growth and record of integrating museum collections into research and teaching.Potential for collaborations with others within the Sam Noble Museum and School.

Application Instructions Applicants are required to submit: 1) a cover letter describing your interests in and qualifications for the position and fit with the

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UPennsylvania HumanAlteredEnvironments

The Department of Biology at the University of Pennsylvania invites applications for a tenure-track position in the Biology of Human-Altered Environments at the rank of Assistant Professor. We seek to recruit colleagues whose research aims to understand biological processes within human-altered environments. Example areas of interest include (but are not limited to): ecological or evolutionary responses spanning molecular, physiological, organismal, population, community or ecosystem scales; mitigation by more resilient organisms or communities; and how social and ecological systems interact with each other. We emphasize these are examples only and encourage applications from all candidates working in the biology of organisms across all domains of life and their responses to human-induced rapid environmental change and/or interactions with human-altered environments, which may include agricultural systems, fisheries, urbanization, infrastructure, restoration efforts, or climate change. We are especially interested in candidates who utilize novel approaches that span levels of biological organization or spatial scales and that transcend traditional disciplinary boundaries.

Penn's Department of Biology has a long-standing tradition of maintaining an integrated research and educational program across all basic biological sciences, including Ecology, Evolution, Behavior, Plant Sciences, Microbiology, Molecular and Cellular Biology, Genomics, and Neuroscience. The Department values interdisciplinary research, collaboration and collegiality, and has a vision plan emphasizing Life in its Natural Context. This recruitment also aligns with the strategic plan of the School of Arts and Sciences: https://strategic-plan.sas.upenn.edu/ . The Department of Biology is committed to increasing the diversity and inclusion of people of all backgrounds, including those historically underrepresented in STEM fields. We aim to create an inclusive environment where all members of our community can thrive. The department has an action plan that includes outreach to pre-college students and the general public, increasing the inclusiveness of teaching, mentoring, and research for undergraduate students, and recruiting and supporting a diverse pool of graduate students and postdocs. The successful candidate is expected to contribute to one or more of these goals and should describe how they would do so in the research and teaching statements, including any description of the candidate's prior experience working toward these goals.

We seek candidates who share our strong commitment to research, teaching and mentoring, and to a scholarly community shaped by values of inclusive excellence. The School of Arts and Sciences at the University of Pennsylvania is committed to cultivating and sustaining a community of students, scholars, researchers, and staff that reflects the diversity of our world. We nurture working and learning environments that are affirming, equitable, and inclusive. As a community, we are committed to thoughtful discussions and dynamic interactions as we strive for an environment where everyone is supported and valued. Please see our School's Inclusion and Antiracism Initiatives to learn more about our active priorities: https://www.sas.upenn.edu/2020-inclusion-and-anti-racism-initiatives . Qualifications A PhD or an equivalent degree in a relevant discipline is required at the start of the appointment.

Application Instructions The appointment is expected to begin July 1st, 2025. Applicants should provide: 1) a cover letter, 2) a curriculum vitae, 3) a research statement describing past research accomplishments and future vision, 4) a teaching statement that highlights prior experience and teaching philosophy, and 5) contact information for three references (letters will be requested after the first round of selection). The teaching and research statements should include discussion of contributions to equity, diversity, inclusion, and belonging efforts. All materials should be provided at http://apply.interfolio.com/153362. Review of applications will start October 8, 2024 and will continue until the position is filled.

"Wood, Corlett" <corlett@sas.upenn.edu>

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UTampa Florida TeachingEvolutionaryMicroscopy

The Department of Biology in the College of Natural and Health Sciences at The University of Tampa invites applications for an Instructional Faculty member in Microscopy- SEM starting in August 2025.

This teaching faculty member would assist in the man-

agement, training and maintenance of the imaging and microscope related resources in the Department of Biology with particular focus on the scanning electron microscope. This coordinator would instruct the upper-level Electron Microscopy course up to twice each year along with majors and non-majors biology courses, and the possibility of an upper division course in their specialty (27 contact hours per year; 15/12 Fall/Spring terms).

This position will have primary responsibilities of

1) managing, maintenance and training of students and faculty in the use of the Department's scanning electron microscope and associated facilities.

2) overseeing care of instrumentation and monitoring service contracts for microscopy equipment and arranging and/or performing maintenance as needed.

3) assisting with the coordination of hiring, training, and supervision of undergraduate student laboratory mentors for microscopy related activities and maintenance.

In addition to these responsibilities, the candidate will be expected to teach 27 contact hours over the Fall and Spring semesters with teaching responsibilities to begin in August 2025. The primary responsibility will be instructing Electron Microscopy up to twice a year, majors and non-majors biology courses, and the possibility of an upper division course in the candidate's specialty as needed.

Qualifications

MSc required. Proficiency in microscopy with an emphasis on biological work in scanning electron microscopy preferred. Must know basic chemical & biological hygiene and safety requirements. Must have excellent organizational skills and the ability to work smoothly with a diverse group of faculty, staff and students. Prior teaching and laboratory experience preferred. A personal commitment to quality undergraduate teaching and service to the Department and University is essential.

Review of applications will begin immediately with a final deadline of October 18, 2024, and will continue until the position is filled. Candidates must submit their application, cover letter, and CV by this initial deadline to receive full consideration. Salary is competitive and commensurate with experience.

To apply or get additional details, please visit: https://utampa.wd1.myworkdayjobs.com/en-US/Faculty/-details/Assistant-Teaching-Professor–Biological-Microscopist-_R0008977-1 Any questions, feel free to email: Emily Durkin "edurkin@ut.edu"

Emily Durkin <edurkin@ut.edu>

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UTampa Genetics

The Department of Biology in the College of Natural and Health Sciences at The University of Tampa invites applications for a tenure track position in Genetics at the rank of Assistant Professor starting in August 2025.

The successful candidate will support the mentoring and teaching of students in research and in existing lecture and laboratory courses in genetics and our introductory general biology series. Area of research expertise is open within the confines of this discipline.

The successful candidate will demonstrate potential for excellence in teaching, a critical component of our teaching-centered, primarily undergraduate institution. Applicants should be eager to create engaging, inclusive learning environments for our diverse student body that emphasize shared learning objectives across a range of subject areas within the biological sciences. Students majoring in the department choose from among a BS or BA in Biology or a major in Marine Science-Biology, along with minors populated by students from across the University.

The required teaching load is 12 contact hours per semester with full-credit for time spent in laboratory sections. Tenure-track professors in the Department typically offer courses at the undergraduate upper-level as well as introductory or general education courses each year.

Our most successful colleagues establish an active research program that leads to peer-reviewed publications in respected journals appropriate to their discipline. As a primarily undergraduate teaching institution, we strive to maintain realistic research expectations and value quality over quantity in scholarly output. Start-up funds and research spaces are available but are limited compared to research-intensive institutions. As one of the largest departments in the University, ample opportunities exist for collaboration within the department, and our faculty are routinely successful at securing internal grant funds to support their research. Research plans should be appropriate for the institutional resources and in the context of other employment expectations. Successful colleagues engage undergraduate students in

rich scholarly activities as a means of providing greater depth and opportunity to the educational experience at the university. Assistance is available to identify external grant sources, grant writing, and additional sources of funding for equipment that cannot be purchased with start-up funds.

Qualifications

PhD required, ABD candidates considered. Prior teaching and research experience with undergraduates is desirable/expected in candidates whose experiences have allowed for these opportunities.

Review of applications will begin immediately with a final deadline of October 18, 2024, and will continue until the position is filled. Candidates must submit their application, cover letter, and CV by this initial deadline to receive full consideration. Salary is competitive and commensurate with experience.

To apply or get additional details, please visit: https://utampa.wd1.myworkdayjobs.com/en-US/-Faculty/details/Assistant-Professor-of-Biology—Genetics-_R0008975-2 Any questions, feel free to email: Carlos Santamaria "csantamaria@ut.edu"

Carlos A. Santamaria, Ph.D. Assistant Professor of Biology

Preferred pronouns: he/his/him Feel free to share your pronouns

The University of Tampa Department of Biology Science Wing, Plant Hall. Room 121 csantamaria@ut.edu | www.ut.edu csantamaria@ut.edu

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

UTexasElPaso WildlifeEvolution

The University of Texas at El Paso College of Science Department of Biological Sciences Assistant Professor - Wildlife Biologist

POSITION DESCRIPTION: The Department of Biological Sciences at the University of Texas at El Paso (UTEP) invites applications for a tenure-track assistant professor position for a Wildlife Biologist. We are particularly interested in highly collaborative candidates who specialize in the ecology, evolution, or conservation and management of mammals. We encourage applicants with interest in serving a curatorial role at UTEP's Biodiversity Collections.

The anticipated appointment date is Fall 2025 or earlier. The successful candidate is expected to (1) establish an extramurally funded research program; (2) teach and mentor undergraduate, masters, and doctoral students; and (3) have a strong potential for collaboration across ecology and evolutionary biology (EEB).

ABOUT THE DEPARTMENT: The Department of Biological Sciences, with doctoral programs in EEB and Bioscience, is among the most productive departments at UTEP and contributes to interdisciplinary programs in Environmental Science and Engineering, Bioinformatics, Data Science, and Computational Science. Core facilities in the NIH sponsored Border Biomedical Research Center include capacities for genomic sequencing, bioinformatics, and statistics; Biodiversity Collections, multiple vivaria, and Indio Mountains Research Station provide research opportunities. A new state-of-the-art interdisciplinary research building provides space and resources for collaborative projects. More information is available at the Department of Biological Sciences website < http://science.utep.edu/biology/ >.

Description of UTEP & El Paso: The University of Texas at El Paso (UTEP) is a Carnegie R1 and community engaged research university at the heart of the U.S.-Mexico border region that is increasing access to excellent higher education. We advance discovery of public value and positively impact the health, culture, education, and economy of the community we serve. UTEP enrolls 24,000 students?84% of whom are Hispanic and half of whom are the first in their families to attend college. UTEP offers 170 bachelor's, master's and doctoral degree programs at the only open-access, top-tier research university in America.

The city's border location makes it an ideal venue for academic programs and research studies on topics of national interest such as bilingual education/language acquisition, Hispanic health disparities, border environment and immigration, environmental sustainability and infrastructure, and international trade and commerce.

El Paso's active arts and culture community features the state's longest-running symphony orchestra, a nationally recognized chamber music festival, a vibrant street art and mural scene, art galleries, museums, and a full schedule of seasonal events and festivals. UTEP adds to the arts and entertainment scene with concerts and live events at the city's largest indoor and outdoor venues; theater, music and dance productions; contemporary and student art galleries; and a natural history museum and desert gardens. El Paso residents can also easily travel to our sister city of Ciudad Ju?rez, Mexico, to enjoy great food, markets and cultural events.

El Paso is also an ideal location for people who love the

outdoors, as home to one of the nation's largest urban parks - Franklin Mountains State Park - and many options for year-round hiking, mountain biking and rock climbing.

For sports fans, the UTEP Miners offer exciting Division I college athletics at several campus venues including Sun Bowl Stadium - where one of the oldest football bowl games takes place annually - and the Don Haskins Center arena. Southwest University Park, located a mile away in lively downtown El Paso, is home to the El Paso Chihuahuas, the Triple-A baseball affiliate of the San Diego Padres, and the El Paso Locomotive FC, a professional soccer team founded in 2019.

Description of Department/Program/College REQUIRED QUALIFICATIONS: Applicants must have a Ph.D. or equivalent degree, postdoctoral research experience, and a strong record of research accomplishments.

APPLICATION PROCEDURES: Review of applications will begin immediately and will continue until the position is filled. Candidates should submit a letter of interest, curriculum vitae, statement of research interests, a brief description of teaching philosophy, and complete contact information for at least three references.

APPLICATION PROCEDURES: Review of applications will begin immediately and will continue until the position is filled. Candidates should submit a letter of interest, curriculum vitae, statement of research interests, a brief description of teaching philosophy, and complete contact information for at least three references.

Apply here:

— / —

VirginaTech InvasiveSpeciesGenetics

As part of a campus-wide cluster hire on invasive species, the Department of Fish and Wildlife Conservation in the College of Natural Resources and the Environment at Virginia Tech seeks applicants for a 9-month, tenure-track, position at the Assistant or Associate Professor rank. The successful candidate will study fish or wildlife populations using cutting-edge genetic/genomic tools to improve detection, identification, rapid response, management, and/or eradication of invasive species. Possible areas of research could include the use of environmental DNA, metabarcoding, genomics, proteomics, transcriptomics, gene editing, or related approaches for studying invasive species that affect fish or wildlife populations.

The successful candidate will also be affiliated with Virginia Techï¿½s Invasive Species Collaborative (ISC). The ISC is a university-wide initiative with its academic home within the Global Change Center (GCC) at Virginia Tech, a campus-wide center within the Fralin Life Sciences Institute. The ISC seeks to foster growth in transdisciplinary research to develop solutions to the complex global problem of invasive species, which impacts the lives of all people, costing the global economy more than \$423 billion annually. This position is part of a cluster hire funded by the Provostï¿½s office that includes seven faculty positions related to invasive species in environmental law and public policy, science and technology, predictive modeling, and research and extension. The successful candidate is expected to leverage the expertise of the Department, the ISC, the broader GCC, and other vibrant, collaborative research communities at Virginia Tech to engage in team science with associated faculty.

Required Qualifications

* Ph.D. in biology, ecology, fish and wildlife conservation/management, conservation science, genetics, genomics, or related field.

* Demonstrated effectiveness in verbal and written communication to include an outstanding peer-reviewed publication record in accordance with career stage.

* Demonstrated experience using genetic or genomic tools for detecting, monitoring, studying, and/or managing invasive species of any taxonomic group that affect fish or wildlife.

* Demonstrated experience with collaborations or team science, including other academic disciplines, state or federal agencies, NGOs, and/or private industry.

* Demonstrated commitment to principles of diversity, equity, inclusion, and accessibility in teaching and research.

Virginia Tech is an EEO/AA (including individuals with disabilities and veterans) employer. Applicants should provide a cover letter expressing a statement of interest in the position (not to exceed 1 page), curriculum vitae, and a list of names, titles, and full contact information for three professional references. Applicants should also provide a written statement (not to exceed 3 pages) describing their 1) teaching and mentoring experience and philosophy, 2) research experience and future plans, and 3) commitment to diversity, equity, and inclusion-all in

relation to the position description

https://careers.pageuppeople.com/968/cw/en-us/job/-530750/invasive-species-geneticist "Kindsvater, Holly" <hkindsvater@vt.edu>

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

VirginiaTechU InvasiveSpecies

The Invasive Species Collaborative (ISC) at Virginia Tech is excited to announce that three new tenure-track faculty positions are live! Come join an energetic team where YOU can make a meaningful impact in invasive species research and management.

Invasive Species Geneticist: Assistant or Associate Professor Invasive Species Economist: Associate or Full Professor Global Change Ecology: Assistant Professor

We will be launching a Data Scientist position soon, as well as an Invasive Plant Genomics position next year.

Check out the ISC website for all details: https://-invasivespeciesvt.org/about/join-the-team/ Thank you! Hallie

Hallie Harriman,Program Coordinator

Invasive Species Collaborative

Virginia Tech |Steger Hall

1015 Life Science Circle

Blacksburg, Virginia 24061

"Harriman, Hallie" <hharriman@vt.edu>

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WashingtonStateU EvolutionaryBiology

The School of Biological Sciences (SBS) at Washington State University (WSU) invites applications for a permanent, full-time, nine-month (academic year), tenure-track Assistant Professor position in Pullman, WA, with a specialty in Integrative Molecular Biology. We seek a molecular biologist who addresses fundamental questions on the underlying molecular mechanisms of biological processes of animals or plants at the cellular, tissue, or organismal level. Research areas should include, but are not limited to, solving complex biological problems such as animal- or plant- environment interactions, or genotype-phenotype relationships, with a preference for research systems that go beyond model organisms. The ideal candidate should combine approaches, methods, perspectives or scales of organization to provide novel insights into biological functions. They should incorporate traditional methodology with modern approaches such as genomics, RNA biology, proteomics, nanotechnology, dynamic imaging, and structural and environmental microscopy. We seek candidates who will contribute to high quality education and training of undergraduate and graduate students, while also contributing to SBS efforts to enhance equitable and inclusive educational experiences. It is anticipated that the successful candidate will begin the appointment on August 16, 2025.

Online applications must be received before 12:00am on: October 29, 2024 Send questions to: sbs.search2@wsu.edu

See the job posting for full details:

https://wsu.wd5.myworkdayjobs.com/en-US/-WSU_Jobs/job/Pullman-WA/Assistant-Professor_R-12419?q=Biology Eric H. Roalson, Ph.D. Professor of Biological Sciences Director, Marion Ownbey Herbarium (WS) School of Biological Sciences Washington State University Pullman, Washington 99164-4236

He/Him/His eric_roalson@wsu.edu @ehroalson 509-335-7921

The Washington State University Pullman campus is located on the homelands of the Nimï¿½ipuu(Nez Perce) Tribe and the Palus people. We acknowledge their presence here since time immemorial and recognize their continuing connection to the land, to the water, and to their ancestors.

"Roalson, Eric" <eric_roalson@wsu.edu>

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

"Crespi, Erica" <erica.crespi@wsu.edu>

WashingtonStateU EvolutionaryPhysiology

The School of Biological Sciences (SBS) at Washington State University invites applications for a permanent, full-time, nine-month (academic year), tenure-track Assistant Professor position in Pullman, WA, with a specialty in Integrative Animal Physiology. We seek an animal physiologist who uses experimental, quantitative, and/or theoretical approaches across levels of biological organization to address fundamental questions about central physiological systems that mediate animals' responses to changes in biotic or abiotic environmental factors, thus contributing to SBS' strength in physiology and global change biology. We expect the successful candidate to perform hypothesis-driven research that connects physiological mechanisms to cell/molecular, ecological and/or evolutionary processes. We seek candidates who will contribute to high quality education and training of undergraduate and graduate students, while also contributing to SBS efforts to enhance equitable and inclusive educational experiences. For full job requirements and application information, see: https://wsu.wd5.myworkdayjobs.com/en-US/-WSU_Jobs/job/Assistant-Professor_R-12408-1 . Posting Close Date: Applicants must submit their completed application by October 15 at 11:59 p.m.

Inquiries should be directed to Erica Crespi, sbs.search@wsu.edu, with subject "Integrative Animal Physiologist."

Erica Crespi, Ph.D. Professor, School of Biological Sciences Faculty Fellow, College of Arts and Sciences Director, Aquatics Phenomics Research Center Director, Hudson Biological Reserve https://labs.wsu.edu/crespi/ The Washington State University Pullman campus is located on the homelands of the Nimïï¿$\frac{1}{2}$ipuu(Nez Perce) Tribe and the Palus people. We acknowledge their presence here since time immemorial and recognize their continuing connection to the land, to the water, and to their ancestors.

YaleU VertebrateFunctionalBiology

The Department of Ecology and Evolutionary Biology at Yale University invites applications for an Assistant Professor in Vertebrate Functional Biology that includes but is not limited to biomechanics, evolutionary developmental biology, integrative organismal biology, functional morphology, neurobiology, and sensory biology. We are interested in candidates with integrative research programs that complement the mission of the Department of Ecology and Evolutionary Biology. The successful candidate will contribute to undergraduate and graduate mentoring and teaching, including a core course in comparative anatomy. A record of outstanding achievement and a promising research program are more important than the specific research area. A Ph.D. or equivalent degree at time of hire is required for this position.

Interested candidates should submit a cover letter, CV, three relevant reprints or manuscripts, research, teaching, and diversity statements that are no more than two pages each, and contact information for three reference at http://apply.interfolio.com/153439. Applicants may contact the Department Chair, David Vasseur at david.vasseur@yale.edu with any questions regarding the position. The search will remain open until the position is filled. Review of applications will begin November 1, 2024. The anticipated appointment start date is July 1, 2025.

Yale University is an Equal Opportunity/Affirmative Action Employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans and under-represented groups.

"Rynaski, Marcia" <marcia.rynaski@yale.edu>

Other

DiseaseBiolGenetSoc NewJournal

Dear Colleagues,

I am serving as the Editor-in-Chief to lead a new peer-reviewed, open-access journal "Disease Biology, Genetics, and Socioecology—(DBGS) <>" published by Scilight Press (Melbourne, Australia). Please find in attachment the inaugural editorial of the journal. Here, I would like to invite you to contribute a manuscript to us.

The journal Disease Biology, Genetics, and Socioecology (DBGS) is a gold open-access journal that aims to bridge the gap between the biological sciences (particularly genetics, including evolutionary genetics) and environmental and social sciences in the field of medical research, medicine and public health. There has been a significant compartmentalization between these two causative components of human diseases, despite their frequent synergistic interactions in pathological processes. You may find more details here: https://-www.sciltp.com/journals/dbgs/aimscope The journal accepts Research papers, Short communication, Discussions, Meeting Reports, Book Reviews, Editorials, Review Articles, Technical notes, and Letters to the Editor.

DBGS is a peer-reviewed, open-accessed journal published quarterly by Scilight Press, a young platform that attracts support from academicians of the Academia Europaea, the German Academy of Sciences, the International Eurasian Academy of Sciences, and the Chinese Academy of Engineering (https://www.sciltp.com/). It is expected to be indexed in important databases (DOAJ, Scopus, ESCI/SCIE, etc.) in the next few years. Normally, all publications from the first issue will be covered by the database once the journal is indexed.

I emphasize that DBGS should not be considered a "predatory" journal. It is simply a new journal with a theme that I believe to be original and innovative. Having been the editor-in-chief of Infection, Genetics and Evolution (Elsevier) for 20 years, I vouch for the seriousness of the scientific management of this new journal.

The first issue is scheduled for release by the end of this year. If you are able to submit your manuscript by then, the Article Processing Charges (APCs) will be fully waived. The APCs are waived before August 2026. However, if you require more time to prepare your paper, please don't hesitate to let us know. <> Please contact the editorial office (dbgs@sciltp.com) if you have any questions.

We look forward to hearing from you in two weeks.

Kind regards,

Michel Tibayrenc, MD, PhD Editor-in-chief Disease, Biology, Genetics and Socioecology (Scilight, Melbourne, Australia; https://www.sciltp.com/journals/dbgs/) Editor -in-chief Emeritus Infection, Genetics and Evolution (Elsevier) http://www.elsevier.com/locate/meegid Maladies Infectieuses et Vecteurs Ecologie, Genetique, Evolution et Contrôle MIVEGEC (IRD 224-CNRS 5290-UM1-UM2) IRD Center BP 64501 34394 Montpellier Cedex 5 France E-mail : michel.tibayrenc@ird.fr Website : https://www.micheltibayrenc.com/

michel.tibayrenc@ird.fr michel.tibayrenc@ird.fr

EvolApplications SpecialIssue Adaptation

Dear colleagues,

We are pleased to invite you to contribute to a Special Issue of Evolutionary Applications focusing on the genomic assessment of adaptive potential in populations facing environmental challenges. This issue will explore how genomic insights can inform effective management and conservation strategies, helping predict responses to environmental changes such as climate shifts, habitat fragmentation, pollution, and the emergence of new pests and diseases.

We encourage contributions that link empirical research to conservation and management applications, including case studies that apply genomic data to practical conservation efforts, such as identifying at-risk populations, designing breeding programs and informing restoration efforts. Contributions that assess emerging genomic technologies, bioinformatics methodologies, and future directions in the field are also welcome.

Additionally, we invite theoretical papers that explore underlying mechanisms of adaptation, even without direct application, to provide a comprehensive overview of genomic approaches in population resilience.

We welcome submissions on: Empirical studies on genomic diversity and adaptation to environmental pressures. Case studies of successful applications of genomics in conservation. Development of conceptual models or tools for assessing adaptation and risk using genomics. Integrative approaches combining genomics with other ecological data. Discussions on the role of genomic data in policy frameworks. Perspectives, commentaries, and opinion pieces on the future of genomics in conservation.

Please, see the full call for papers here: https://onlinelibrary.wiley.com/page/journal/17524571/homepage/call-for-papers/si-2024-000759 Important Dates: Open Call for Manuscripts: September 1, 2024 Deadline for First Submissions: April 1, 2025 Acceptance Deadline: November 1, 2025 Issue Publication Date: December 2025

Papers will be available online as soon as they are ready for publication. Please contact any of the guest editors to express your interest. Submissions should follow the guidelines provided through the journal's portal.

Note: All articles accepted and published in Evolutionary Applications are fully Open Access: immediately free to read, download, and share.

We look forward to your contribution to making this Special Issue a significant milestone in the field.

Best regards,

Santiago C. Gonzalez-Martínez: santiago.gonzalez-martinez@inrae.fr David Chagne: David.Chagne@plantandfood.co.nz Lesley Lancaster: lesleylancaster@abdn.ac.uk Sam Yeaman: samuel.yeaman@ucalgary.ca Juntao Hu: juntao_hu@fudan.edu.cn Yiyong Chen: yychen@rcees.ac.cn Maren Wellenreuther: maren.wellenreuther@plantandfood.co.nz

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Evolution Meetings Survey

We invite members of the evolutionary biology community to take a short survey that will inform future plans for the annual Evolution meeting, including the potential for a virtual-only meeting. We seek feedback and ideas from all career stages, SSB/ASN/SSE members and non-members, as well as those who attended this year's Evolution meeting and those who did not. The survey should take about 10 minutes to complete. Your answers will be anonymous. Responses will be collected until November 1.

This survey is organized and administered by the Evolution meetings organizers and the Joint Meeting Committee of the Society for the Study of Evolution (SSE), the American Society of Naturalists (ASN), and the Society of Systematic Biologists (SSB). You may already have received a link to this survey via an email from the meeting or your professional society. Please take the survey only once. We appreciate your participation!

Survey link: https://qfreeaccountssjc1.az1.qualtrics.com/jfe/form/SV_5u3N5MxM0160EDk Sincerely,

The Evolution Organizers

AlexWong@cunet.carleton.ca

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IDEA Award CallForNominations

The American Society of Naturalists (ASN), the Society for the Study of Evolution (SSE), and the Society of Systematic Biologists (SSB) announce the call for nominations for the ASN/SSE/SSB Inclusiveness, Diversity, Equity, and Access (IDEA) Award.

The IDEA Award will be given to a person at any career

stage who has strengthened the ecology and evolutionary biology community by promoting inclusiveness and diversity in our fields. The award can also be presented to a group. The recipient(s) will be invited to present a plenary lecture at the annual Evolution meeting. Each recipient will also receive a plaque and a $1000 honorarium (shared among recipients if more than one).

Learn more and submit a nomination: https://-/www.evolutionsociety.org/society-awards-and-prizes/inclusiveness-diversity-equity-and-access-idea-award.html Deadline: October 25, 2024

*Kati Moore*she/her *Communications Manager* *Society for the Study of Evolution* communications@evolutionsociety.org www.evolutionsociety.org SSE Communications <communications@evolutionsociety.org>

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IntlBiogeographySoc JournalRelaunch

The International Biogeography Society—(TIBS)recently relaunched its flagship open-access scientific journal,—Frontiers of Biogeography—(FoB), on the—ARPHA platform, where it is now being co-published with—Pensoft Publishers. Established by TIBS in2009, Frontiers of Biogeography publishes studies on all—geographical variations of life at all levels of organization.—

The journal has been selected for inclusion in the—Web of Science. Articles are also being indexed in Emerging Sources Citation Index, Zoological Record, Biological Abstracts, and BIOSIS Previews. Furthermore, the journal's latest—Scopus Cite Score—of 4.3 places it in the Q1 category for—Ecology—and—Ecology, Evolution,Behavior and Systematics, and elevates it from Q3 to Q2 in the—Global and Planetary Change—category.

The International Biogeography Society—is continuing to financially support author publication charges, making publication in the journal highly affordable for members. Other membership benefits include reduced costs for workshops —six are currently being advertised on the TIBS website– and attendance at our biannual meetings as well as off-year meetings.—

The International Biogeography Society

Learn More Become a member Latest News Biogeography Workshops

Check out our low membership rates, which still apply until December 2024:https://www.biogeography.org/-what-we-offer/become-a-member/ Alexandra Muellner <muellner_alexandra@yahoo.de>

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Seeking D rubida or D obscura DNAorFlies

We are looking for genomic DNA, flies, or flies in EtOH to prep genomic DNA for two Drosophila species: D rubida and D. obscura, to allow a PCR confirmation study of presence/absence predicted by computational analyses of germ line stem cell essential (in D melanogaster) genes across the genus based on current full genome assemblies.

Please contact us if you can help!

Best,

Chip Aquadro and Luke Arnce, Cornell University

cfa1@cornell.edu

la424@cornell.edu

"Charles F. Aquadro" <cfa1@cornell.edu>

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Taxonomy HelpForMarineSpecies

Dear friends,

We are excited to introduce a new taxonomic series, published by our project the Senckenberg Ocean Species Alliance (SOSA) a couple of weeks ago: https://-bdj.pensoft.net/article/128431 This is a new, collaborative framework to accelerate high quality integrative taxonomy across all marine invertebrate phyla. Importantly, this is not about new distribution records, nor systematic revision, but pure taxonomy and trying to "clear the backlog" of species that are sitting on shelves

waiting to be named.

If you work on marine invertebrate identification, you probably have samples representing undescribed marine species on your shelves. Publishing species descriptions is difficult, even when the new species is totally clear, there is still limited professional incentive to publish stand-alone species descriptions, particularly for early career researchers. Most journals, even specialist taxonomic ones, expect insights beyond descriptive work, but which quite often are simply not available.

Now, we want to hear about species "on the shelf" that "just" need a little work to round out the description: single species descriptions that are already almost complete and/or projects where you face some bottleneck (image processing, SEM, barcode, etc). We can offer lab support and publication support as part of our funded work in SOSA to accelerate taxonomy (i.e. free of charge - yes, really). Background and link to the application form to submit your requests: https://sosa.senckenberg.de/en/discover/ocean-species-discoveries/ Questions to Dr Jan Steger, SOSA lab manager: <jan.steger@senckenberg.de> Deadline 30 September 2024.

We welcome any invertebrate experts to collaborate, across all organismal groups (well, only marine invertebrates, but that is close enough to everything ;-). All phyla are welcome - please tell your (marine) colleagues. And, we hope you all enjoy the "chocolate box" of species in the new paper < https://bdj.pensoft.net/article/128431 >

Best wishes,

Julia Sigwart & Torben Riehl

"j.sigwart@qub.ac.uk" <j.sigwart@qub.ac.uk>

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

TravelGrants NouragueResearchStation

Dear everyone,

The Nouragues research station (https://cnrs-nouragues.fr/en/), in French Guiana, is launching an Offer of Travel Grants to Nouragues for Scientific Interdisciplinarity (OVNIS2024), up to euro 9,000 per project, open to any researcher within a research unit associated with the CNRS: https://www.inee.cnrs.fr/-fr/offre-de-bourses-de-voyage-aux-nouragues-pour-linterdisciplinarite-scientifique-ovnis2024 . This call is open until 30 September 2024. Please visit the page for more information and share this announcement with your networks.

Elodie SCHLOESING

Coordinatrice scientifique de la station de recherche des Nouragues Scientific coordinator of the Nouragues research station

Site internet / Website : https://cnrs-nouragues.fr/ X : CNRS_Nouragues < https://twitter.com/-CNRS_Nouragues >

+33 6 51 64 31 54 UAR 3456 LEEISA -Laboratoire Ecologie, Evolution Interactions des Systèmes Amazoniens Centre de recherche de Montabo 275 route de Montabo BP 70620 97334 CAYENNE Cedex Guyane Française

CHOUTEAU Mathieu <mathieu.chouteau@cnrs.fr>

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PostDocs

ing@mcmaster.ca)

ArizonaStateU Evolutionary Genomics

Postdoctoral position in Evolutionary Genomics Arizona State University

The School of Life Sciences at Arizona State University is seeking a postdoctoral scholar to join a vibrant and collaborative team of researchers. The postdoctoral scholar, based at our Tempe Campus, will be trained to lead research on the evolutionary adaptations of vertebrates to their environment. The laboratory has expertise in a wide range of comparative genomic approaches to address questions in evolutionary biology, conservation, development, and functional morphology. We are part of a collaborative group that brings together genome biologists, bioinformaticians, evolutionary biologists, physiologists, functional morphologists, developmental geneticists, and molecular biologists. We partner with local, state, and federal agencies to inform their conservation efforts. More information about the group can be found at https://kusumi.lab.asu.edu. The postdoctoral scholar will receive mentorship and training in leading interdisciplinary, integrative research. This is an in-person, full-time, fiscal-year, term-limited 1-year position, which may be renewable for a second year, contingent on funding and satisfactory performance. Applicants must be within five years of receipt of their Ph.D to be considered. The anticipated start date is January 2025.

For more information or to apply: https://apply.interfolio.com/154121 "Dolby, Greer" <gdolby@uab.edu>

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BOBerlin Herbariomics

Research Associate (m/f/d) Full-time employment limited until 30 September 2026 Pay grade 13 TV-L FU Identifier: BO Berlin 1 7-2024 NGS Herbariomics https://www.fu-berlin.de/universitaet/-beruf-karriere/jobs/wiss/59_ze-botanischer-garten-botanisches-museum/BG-BO-Berlin_17-2024_NGS-Herbariomics.html The Botanic Garden with the Botanical Museum (Bo Berlin) is a central institution of the Freie Universitï¿½t Berlin, a collection and research facility with an educational mission and is one of the five largest botanical gardens in the world. Bo Berlin is characterised by internationally networked research in the fields of botany and biodiversity. As an employee of Bo Berlin, you can become a part of it!

We are looking for support for the DFG-funded project "A new story told by herbarium collections - deciphering patterns of clonal diversity". Although not usually designed with the aim of documenting the variability of populations, natural history collections and large herbaria in particular often contain valuable information that can be studied using modern analytical methods ("herbariomics"). In this project, the apomictic Potentilla praecox F.W.Schultz is used as a model to study the effects of mutation accumulation and its evolutionary consequences using population genomics methods. The project aims to test the following hypotheses: 1. mutations are unevenly distributed in the genome. 2. phenomena that increase the mutational load are active on short time scales, 3. mutation accumulation over the

last 150 years led to the extinction of certain lineages of P. praecox.

Task area: Assembly of a reference genome from the combination of PacBio (HiFi)-, Illumiina, and potentially Hi-C and Bionano data. SNP-based population genomic analyses of historically defined populations. Evaluation and interpretation of results, publication of data. Planning and support of laboratory work.

Requirements: A completed university degree in biology, bioinformatics, or a related field.

Preferred Qualifications: Practical experience with next-generation sequencing methods in evolutionary research. Proficiency in shell scripting and Python programming, as well as R. Experience with the assembly of (plant) genomes and population genomic analyses. Excellent English language skills, both written and spoken. Strong communication skills. Experience with molecular genetic laboratory techniques.

Further information: Applications should be sent with informative documents, stating the ID in PDF format (preferably as one document) electronically by e-mail to Administration and Services: bewerbung@bo.berlin or by post to

Freie Universitï¿$\frac{1}{2}$t Berlin Zentraleinrichtung Botanischer Garten und Botanisches Museum Verwaltung und Services Kï¿$\frac{1}{2}$nigin-Luise-Str. 6-8 14195 Berlin (Dahlem)

If you have any questions related to the project please contact Dr. Juraj Paule (j.paule@bo.berlin)

By submitting an online application, you as an applicant give your consent for your data to be processed and stored electronically.

We would like to point out that if your application is sent unprotected by electronic means, Freie Universitï¿$\frac{1}{2}$t Berlin cannot guarantee the security of any personal data transmitted.

Katja Reichel <katja_reichel@yahoo.de>

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

BroadInst ZooNewEngland ConservationGenomics

Position: Postdoctoral Researcher, Center for Zoonomics

Location: This position is based at Zoo New England in Boston, MA and the Broad Institute of MIT & Harvard in Cambridge, MA.

Salary: The position follows the NIH postdoc salary scale.

Zoo New England, in collaboration with the Vertebrate Genomics Group at the Broad Institute of MIT and Harvard, is launching the Center for Zoonomics, a cross-disciplinary center to bring together human-health focused genomic scientists and disease experts with zoological veterinarians to more sustainably conserve healthy populations of endangered species, while also informing and advancing research on similar diseases in humans.

We are seeking a postdoctoral researcher with experience in genomics and bioinformatics to help move forward innovative research exploring diseases of zoo and wildlife species, with emphasis on heart disease in captive meerkats and gorillas. The candidate will have the unique opportunity to work with genomic data from over one hundred gorillas to investigate deleterious genetic variation and its impact on the health of this endangered species. The candidate will also have opportunities to design results for population managers.

The qualified candidate will have a PhD in statistical, population genetics, or conservation genomics (or equivalent) and proficiency in genomic data analysis and interpretation of genetic variation. Experience with R, a Unix computing environment, and knowledge of at least one scripting language is strongly desired. Familiarity with next-generation DNA sequencing data and human or animal heritable disease or pathogens will be beneficial. A range of tasks may include bioinformatic analysis to identify genetic markers associated with heritable disease in managed captive or wild populations of various taxa, evaluation of deleterious variation, and analyses of heart disease data.

Candidates should demonstrate a track record of consistent publication and have strong organizational, written and oral communication skills, and should be able to work both independently and as part of a transdisciplinary team with diverse backgrounds and experience.

This position reports to Zoo New England's Director of Conservation Genomics, though the position also carries an appointment with the Broad Institute and the majority of day to day work will be conducted at the Broad Institute.

To apply: Please visit https://zoonewengland.bamboohr.com/careers/296 to upload a cover letter and curriculum vitae. For inquiries, please contact Dr. Rachel Johnston at jrachel@broadinstitute.org. Preference will be given to applications received by October 6, 2024.

"racheljohnston7@gmail.com"
<racheljohnston7@gmail.com>

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BrownU PhylogeneticsofMarineCrustaceans

A Postdoctoral Research Associate position (one year, with the possibility of renewal for a second year) is available in the Caves lab at Brown University in the Department of Ecology, Evolution, and Organismal Biology in the area of evolution and phylogenetics of marine decapod shrimps. Research in the Caves lab is at the intersection of behavioral ecology, animal vision, and evolution. As a model system, we use cleaner shrimp, a taxonomically and geographically diverse group, and their reef fish 'clients.' Cleaner shrimp are small, tropical crustaceans that remove and often consume ectoparasites and other materials from their client fish, many of which are potential predators. In particular, our work focuses on how cleaners and clients recognize one another and decide to interact cooperatively, and the ecological and evolutionary implications of that cooperation. Existing projects in the Caves lab focus on understanding the dynamics of communication between cleaner and client and investigating how the behavioral, social, and ecological context in which a cleaning interaction occurs can impact its outcome.

This postdoctoral position, housed in the Caves lab but with project mentorship and support from Dr. Heather Bracken-Grissom at Florida International University, would focus on using a multi-gene approach to expand our understanding of the phylogenetics of the genus Ancylomenes. This genus has approximately 23 species, about half of which are cleaners and half of which are non-cleaners. The current phylogeny, which includes a handful of species, is not well-resolved, and there are indications that the genus is paraphyletic. This postdoctoral position will involve visits to museum collections (and optionally the field), DNA extraction and sequencing, phylogeny building, and mapping of behavioral, ecological, morphological traits to the phylogeny to examine the evolution of cleaning behavior in the genus and what factors correlate with the evolution of cleaning. Experience with phylogenetics, DNA extraction and sequencing, phylogeny-building, comparative phylogenetic methods,

and bioinformatics is necessary. Experience working in marine systems, including is highly desirable. The post-doc is expected to: (1) conduct and coordinate research in a transparent and reproducible manner; (2) participate in lab meetings; and (3) write up results for publication in a timely manner. Opportunities exist for mentorship of undergrad and grad students. Additionally, opportunities exist for participation in marine, SCUBA-based fieldwork. The postdoc is expected to participate in seminars, and will receive mentoring on job applications and interviews, CV prep, and other professional development topics. Salary is commensurate with the applicant's qualifications. Post-doctoral benefits are included. Anticipated start date is Spring or Summer 2025, but is negotiable. A PDF of this job ad is available at:https://drive.google.com/file/-d/1cFDOhVL43xK7qjntTO8cAMOYzG5jzLyC/-view?usp=sharing To indicate interest in the position, email a single PDF to Eleanor Caves (eleanor_caves@brown.edu) by December 15, 2024 with the subject line "Postdoc position your last name" that includes:

(1)A cover letter that highlights the required and preferred qualifications listed above and interest in the position

(2)A research statement (2 pages) that describes prior research, particularly highlighting skills, techniques, and experience relevant to the position

(3)CV

(4)2 writing samples, ideally published manuscripts or in prep manuscripts

(5)The names and contact information for at least three references

Dr. Eleanor Caves

She/her/hers Assistant Professor Brown University Department of Ecology, Evolution, & Organismal Biology https://caveslab.org/ Zoom: https:/-/brown.zoom.us/j/2877640326 Eleanor Caves <eleanor_caves@brown.edu>

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DrexelU Pennsylvania UrbanPopulationGenomics

Postdoctoral Researcher at Drexel University Location: University City -Philadelphia, PA Categories: College of Arts & Sciences Application link: https://careers.drexel.edu/en-us/job/503942/-postdoctoral-researcher Job Summary

The Munshi-South Lab at Drexel University is seeking applications for a postdoctoral researcher. The lab is engaged with a variety of projects focused on genomics of wild populations, particularly in urban environments. The postdoctoral researcher will work closely with Dr. Munshi-South on a new project on urban evolution of lichens that will involve field sampling, data analysis, manuscript preparation, presentation at scientific meetings, and outreach / education activities. The postdoctoral researcher may also develop their own projects on urban lichens or other taxa, and opportunities exist for collaboration with the Academy of Natural Sciences and other institutions. This position is meant to be primarily in-person, with the potential for remote work 1-2 days per week. This is a one-year position with continuation after the first year based on availability of funds and performance.

Please direct any inquiries to jm5383@drexel.edu

Essential Functions

Substantial field work to sample wild populations of lichens in multiple cities, potentially involving both national and international travel. Management of datasets and workflows. Coordinate with collaborators. Collaborate with the PI and other lab members to establish robust bioinformatic protocols for analyzing lichen genomic and metagenomic data. Preparing and submitting manuscripts for publication as lead author. Presentation at scientific conferences and engagement with outreach activities. Contribute to mentorship of students and staff in the lab.

Required Qualifications

Minimum of a PhD or Doctorate in Biology or a related discipline. Previous experience with field and/or laboratory research, including publishing scientific manuscripts. Basic to intermediate familiarity with population genomic and / or spatial landscape analyses. Ability to work independently in the field and/or laboratory. Ability to work extended periods when sampling in the field. Valid Driver's license (U.S.A) or ability to obtain one within two months of hire.

Additional Information

This position is classified as exempt grade I. Compensation for this grade is $61,680 Per year.

We encourage you to explore Drexel's Professional Staff salary structure and Compensation Guidelines & Policies for more details on our compensation framework.

You can also find valuable information about our benefits in the Benefits Brochure.

Special Instructions to the Applicant

Please make sure you upload your CV/resume and cover letter when submitting your application.

A review of applicants will begin once a suitable candidate pool is identified.

Jason Munshi-South, Ph.D. Betz Chair & Professor Department of Biodiversity, Earth & Environmental Science Drexel University Philadelphia, PA 19104 e-mail: jm5383@drexel.edu phone: (215) 895-2628

"Munshi-South,Jason" <jm5383@drexel.edu>

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EarlhamInst UK PloidyVariation

Postdoctoral Research Scientist

Applications are invited for a Postdoctoral Research Scientist to join the Laboratory of Dr Wilfried Haerty in the Research Faculty of the Earlham Institute, based in Norwich, UK.

Background:

During the lifetime of an organism individual cells will acquire both programmed and spontaneous mutations. Most studies have so far focused on the implications of those events in diseases such as cancer, however such events also occur during normal development and can be part of the response to environmental stress or adaptation. Therapid development of single cell approaches now enable the characterisation of the functional implications of cellular heterogeneity.

As part of the Institute Strategic Programme Cellular Genomics, a highly collaborative project bringing together molecular biologists, computational biologists,

and computer scientists, we are seeking an enthusiastic and ambitious Postdoctoral Research Scientist to undertake computational analysis of the functional implications of cellular heterogeneity in systems such as mouse and human cell lines.

The role:

The successful candidate will investigate the implication of ploidy variation on gene and transcript expression during cellular differentiation in both in-vitro and in-vivo models through the analysis of short and long read sequencing single cell data. To achieve this, the candidate will develop computational pipelines to reproducibly handle both publicly and newly produced single cell data (genome, transcriptome, epigenome) to enable their integrations and interpretation.

The project is led by Dr Wilfried Haerty, and the successful candidate will work closely with groups across EI (Dr Iain Macaulay, Dr Edyta Wojtowicz, Dr Conrad Nieduszynski) and with external collaborators.

At EI, the post holder will have access to cutting-edge high performance computing facilities and expertise. They will join an active community of experimental and computational biologists working on a wide range of cellular genomics and single-cell analyses. They will have the opportunity to contribute to other projects and the overall development and implementation of single-cell genomic approaches at EI The ideal candidate:

The successful applicant will have a PhD in bioinformatics, computational genomics or a related subject. They will have significant experience working with genomic/epigenomic/transcriptomic data, and experience with single-cell genomics analysis. The candidate should have a demonstrable working knowledge of programming languages such as Python, Perl, or R. it is advantageous if the post holder has experience with long read sequencing.

Additional information:

Salary on appointment will be within the range 36,720 to 39,750 per annum depending on qualifications and experience. This is a full-time post for a contract of 24 months. This role meets the criteria for a visa application, and we encourage all qualified candidates to apply. Please contact the Human Resources Team if you have any questions regarding your application or visa options.

For further information and details of how to apply, please visit our website http://jobs.earlham.ac.uk/ or contact the Human Resources team on 01603 450814 or nbi.recruitment@nbi.ac.uk quoting reference 1004532

As a Disability Confident employer, we guarantee to offer an interview to all disabled applicants who meet the essential criteria for this vacancy.

The closing date for applications will be 29 November 2024. Naomi Baxter HR Advisor (Recruitment) Human Resources

NBI Partnership, Norwich Research Park, Colney, Norwich, NR4 7UH

Email: naomi.baxter@nbi.ac.uk with Subject: 1004532

Tel: 01603 450462 or Ext 2462

The NBI Partnership Ltd provides non-scientific services to the John Innes Centre, The Sainsbury Laboratory, the Earlham Institute and the Quadram Institute Bioscience

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GeorgeWashingtonU BranacleSystematics

Postdoc in Barnacle Molecular Systematics at George Washington University (GWU)

About the Project The Computational Biology Institute, at the Milken Institute School of Public Health's Department of Biostatistics and Bioinformatics, GWU, is offering a Postdoc position to develop a comprehensive phylogeny of the barnacles (Crustacea: Thecostraca) and study the evolution of sexual systems. Barnacles rank among the most biologically diverse, ubiquitous

and ecologically important marine metazoans. They exhibit a fascinating and unique range of sexual systems, including hermaphroditism (both sexes), dioecy (separate sexes) and androdioecy (hermaphrodites and males).We want to apply exon probes for targeted capture sequencing to ˜1,200 barnacle species to build a robust phylogeny of the Thecostraca. Then coupling this barnacle tree with fossil, morphological and ecological information in a comparative analysis framework, we will test long-standing theoretical predictions about the evolution of sexual systems and its diversification across broad spatial, temporal and ecological scales.

About the Postdoc

The postdoc candidate will conduct research in phylogenomics and evolutionary biology of barnacles and work together with the PI (Pérez- Losada), collaborators and graduate students. Responsibilities: + Compilation, generation and curation of genomic and other (e.g., morphological and ecological) trait data for selected barnacle species. + Bioinformatic analysis of genomic data to infer phylogenies and perform comparative analyses on traits to test hypotheses. + Preparation and submission of manuscripts to scientific journals. + Availability to travel to other institutions and work abroad for short periods of time. + Training of graduate and undergraduate students in the lab on the above- mentioned duties. + Delivering guest lectures or short workshops for relevant courses and related topics offered at GW in the disciplines involved in the research program.

Qualifications

PhD and expertise in molecular systematics, bioinformatics, comparative phylogenetic methods, genomics and ideally barnacle taxonomy.

Hiring Range 61,008 - 65,000

Expected duration of appointment Up to 3 years renewable every year upon performance

Starting date October 1, 2024

Healthcare Benefits GWU offers a comprehensive benefit package for Postdoc Associates and Scholars that includes medical, dental, vision, life & disability insurance, time off & leave, well-being and various voluntary benefits. Postdoc Scholars may also be eligible for retirement savings and tuition programs. For program details and eligibility, please visit https://hr.gwu.edu/-postdoc_benefits . Applicant Documents to Submit Cover Letter Curriculum Vitae Statement of Research Interest Two Letters of Recommendation

Online Application

All candidates must apply online via the following GWU link https://www.gwu.jobs/postings/113663 Contact If

you have further questions regarding this position you can email Marcos Perez-Losada at mlosada@gwu.edu

Marcos Perez-Losada, PhD

Marcos Perez-Losada <mlosada@email.gwu.edu>

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IISER-TVM Kerala India EvolutionaryEcol

Post-doctoral position at IISER Thiruvanathapuram, Kerala, India

A 3-year postdoctoral (Research Associate) position in Evolutionary Ecology is available at IISER Thiruvananthapuram, Kerala, India, in the Vanasiri Evolutionary Ecology Group of Ullasa Kodandaramaiah (www.vanasiri.in)

DEADLINE: Screening of applications will start 26th Sept 2024, but will continue until a suitable candidate is found.

SALARY: Rs 62,640 per month (including Housing Rent Allowance) for first year, increasing to Rs 65,880 and Rs 72,360 for the second and third years

RESEARCH TOPIC(s): The selected candidate will ideally work in one of the four broad research themes mentioned below. Our lab works on various themes, with evolution being the common factor. We have used multiple model organisms, including insects, plants and reptiles, although butterflies are our main model system. More information about our research here - www.vanasiri.in/research. However, I will also consider candidates who want to address other kinds of questions in evolutionary ecology, as long as the project fits in with the broad interests of the lab, and is feasible. Please look at our lab publications over the last few years for an idea of what kinds of projects could interest me.

Research themes 1) Insect host-plant coevolution * 2) Evolution of desiccation tolerance 3) Life history trait evolution 4) Evolution of anti-predatory defenses

* This is the preferred area in which I would like to take on a postdoc. We are investigating evolution of butterfly host plant associations. We have discovered specialist and generalist populations of multiple butterfly species. The project aims to understand how specialization and generalization has evolved in these

butterflies, and how inter-population divergences in host utilization may be involved in speciation. The work will involve field studies and behavioral experiments in the lab.

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

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

HOW TO APPLY: Completed applications should be sent by email to Ullasa Kodandaramaiah (ullasa@iisertvm.ac.in), WITH THE SUBJECT LINE "RA Position Sept 2024 - Your Name". Candidates are encouraged to contact Ullasa Kodandaramaiah to discuss possibilities for collaborative work. The application should contain a detailed resume, a statement of interest including a research proposal. Please include contact details (phone number, email and postal address), a photograph, scanned copies of educational/professional details.

DURATION: The initial contract will be for 1 year, but can be extended up to 3 years. The selected candidate is expected to join as soon as possible.

LIFE ON CAMPUS AND THIRUVANANTHAPURAM (TRIVANDRUM): Thiruvananthapuram is about 40 km from the campus, and many staff/faculty members commute from the there on a daily basis. Thiruvananthapuram is a coastal city and the capital of Kerala, with a rich cultural heritage. It is within a stone's throw away from world famous beaches such as Kovalam and Varkala, and stunning backwater tourism areas such as Poovar. Being a major medical tourism destination, the city has excellent medical care facilities. Thiruvananthapuram is a relatively small city, and the cost of living tends to be considerably lower than in other Indian cities. A 2-bedroom apartment can be rented for Rs 10,000 to 15,000 per month. There are plenty of options for dining out - a meal at a decent local restaurant can start from Rs 100, but one can dine even in five-star hotels for less than Rs 2000. Costs

for groceries and other daily needs can be looked up here: www.bigbasket.com. Taxis can be hired at ca. Rs 18 per km (with a minimum fare of ca. Rs 200). Fuel (petrol/diesel) costs about Rs 95-105/litre.

Limited accommodation is also available in Vithura, ca. 5km from the campus. Vithura is a small town set in at the foothills of the Western Ghats. Hill stations (e.g Ponmudi) and wildlife sanctuaries are close by.

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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

KenyonC Ohio BirdSexualDimorphism

Postdoctoral position, Kenyon College

The Biology Department at Kenyon College in Gambier, OH, is seeking qualified applicants for a full-time, 3-year post-doctoral position in the laboratory of Natalie Wright. This position is funded through a CAREER grant from the NSF to study why many species of birds exhibit sexual dimorphism in flight muscle size, but many others do not, and to understand how sexual dimorphism in flight muscle size impacts flight in wild birds. We are measuring skeletal specimens of 1,000 bird species and compiling ecological data from the literature to test hypotheses about which ecological traits best predict sexual dimorphism in flight muscle size. We are also studying the flight biomechanics of a few species to understand how sexual dimorphism in flight muscle size affects flight performance. This project, spanning evolutionary ecology, morphology, and flight biomechanics, offers the successful applicant a chance to learn new research skills while building upon familiar ones.

Responsibilities

The primary duties of the postdoc will be to conduct research; collect, analyze, and synthesize data; and disseminate results in scientific publications and presentations at scientific meetings. In addition to their leadership role in the research project, the postdoctoral fellow will develop the skills necessary to succeed in a tenure-track position through collaboration on undergraduate teaching and student mentoring with Dr. Wright. The postdoc will receive formative feedback

on teaching from a mentoring committee made up of faculty in the natural sciences, and which mirrors the support offered to new faculty members at the college. This unique postdoctoral experience will involve the early-career scientist in the workings of selective liberal arts college without the expectations of service, full-time teaching, and academic advising.

Qualifications

Applicants must have completed their Ph.D. in ecology and evolutionary biology, integrative/organismal biology, or a related field by the start date of the appointment. Applicants who have not yet completed their doctorate should indicate the date the degree is expected. Applicants should demonstrate evidence of prior research experience and publications, excellent written and oral communication skills, and a strong background in ornithology, evolutionary ecology, or flight biomechanics. Experience with phylogenetic comparative methods, data analysis in R, comparative morphology, biomechanics, or handling wild birds is preferred. Applicants should have an interest in developing teaching and mentoring skills. This position requires the ability and motivation to work independently and in small teams, to collaborate with faculty, and to help mentor undergraduate researchers.

Salary and benefits

Salary range is $57,000-60,000 annually, commensurate with experience. As a Kenyon College employee, the postdoctoral fellow will be eligible to receive Kenyon's generous beneïoptions as part of their total compensation package.

Kenyon College

Kenyon College is a highly selective private liberal arts college dedicated to excellent undergraduate education. Kenyon provides exceptional facilities, an outstanding student population, a strong junior-faculty mentoring program, and a collegial environment that promotes success and satisfaction among the faculty. Cost of living in the area is very low, and affordable housing within a short walk or bike ride of campus is often available. Kenyon College is an Equal Opportunity Employer, especially committed to building a diverse faculty.

One of the challenges confronting small liberal arts colleges in the United States today is attracting members of underrepresented groups. A diverse faculty benefits students, faculty, and administrators alike by enriching the nature of the educational experience for all, and the Biology department and the College are both committed to providing a welcoming and supportive community for all, regardless of sex; racial, ethnic, national, or cultural background; sexual orientation; disability status;

or gender identity or expression. This position is an excellent opportunity for a young scholar to become familiar with the professional opportunities at small liberal arts colleges. The fellow will participate fully in the life of the faculty, with opportunities for professional development and mentorship, but without the additional responsibilities of a full-time faculty member.

To Apply

Please email Natalie Wright (wright1@kenyon.edu) with questions. Submit application to https://careers.pageuppeople.com/695/cw/en-us/job/493138/postdoctoral-fellow-in-biology Application review will begin immediately and continue until the position is filled. Start date is flexible, but around July 1st, 2025 is preferred.

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LouisianaStateU Plant-MicrobiomeSymbiosis

LSU Plant-Microbiome Symbiosis

The Tan Lab at LSU is seeking two Postdoctoral Researchers to join our dynamic research team.

Our current research focuses on plant-microbiome symbiosis, with a particular emphasis on the fitness impacts of microbial communities on plants in the context of climate change. We use synthetic community approaches, involving isolating and cultivating diverse plant-associated microbes, and employ high-throughput plant phenotyping systems to investigate the ecological and evolutionary mechanisms driving species interactions within microbiomes, microbiome assembly, and biodiversity-ecosystem function relationships.

We are looking for two highly motivated Postdoctoral Researchers to contribute to our cutting-edge research in host-microbiome symbiosis, community ecology, and evolutionary ecology. Candidates should have a strong background in these areas and be prepared to engage in both ongoing projects and the development of new research initiatives. Expertise in either microbial ecology field/lab techniques or quantitative analysis is preferred.

We offer a collaborative environment with opportunities for professional growth and mentorship. If you are interested, please contact Jiaqi Tan at jtan7@lsu.edu with your CV and a short statement of your research experiences and interests.

Lab website: https://www.tanlabecology.com/-home Postdoc application link: https://-lsu.wd1.myworkdayjobs.com/LSU/job/0512-Life-Sciences-Building/Postdoctoral-Researcher_R00097592

Jiaqi Tan

Assistant Professor

Department of Biological Sciences

Louisiana State University

Email: jtan7@lsu.edu

Jiaqi Tan <jtan7@lsu.edu>

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well as a research stipend of $8,000 per year. Postdocs are expected to be based on MSU's campus and up to $1,000 of moving expenses may be reimbursed from the research stipend in the first year. We encourage applications from candidates in any early-career stage, from finishing PhD students to current postdoctoral scholars. International candidates are eligible. Applications are due November 4, 2024.

For more information on the MSU Foundation EEB Postdoctoral Fellowship, including detailed application instructions, please see https://eeb.msu.edu/initiatives/-postdoctoral-fellowship/ Michigan State University is an Equal Opportunity/Affirmative Action employer, and actively encourages applications from women, persons of color, veterans, and persons with disabilities.

E-mail any questions to committee chairs Kevin Liu kjl@msu.edu and Emily Josephs josep993@msu.edu

"Josephs, Emily" <josep993@msu.edu>

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MichiganStateU EEBPresidential

The Ecology, Evolution, and Behavior (EEB) program at Michigan State University invites applications for a Postdoctoral Fellowship in Ecology, Evolution, and Behavior. The MSU EEB Presidential Postdoctoral Fellowship is a two-year position that includes a generous salary and research stipend. Fellows are fully participating members of EEB with cutting-edge research programs and innovative community engagement initiatives, mentored by two or more EEB faculty members. A list of possible faculty mentors can be found here: https://eeb.msu.edu/people/core-faculty.aspx. Candidates should contact potential faculty mentors before applying.

The fellow also contributes to the EEB community via a community engagement initiative. The proposed initiative is up to the discretion of the applicant, possible ideas include (but are not limited to): a workshop on diversity, equity, and inclusion, professional development, or a technical research skill; a science communication or public engagement product or event; a public science initiative, a journal discussion group, curriculum development, etc. The fellow's research stipend may also be used to support the community engagement initiative.

The position is two years, subject to review after one year, with an annual salary of $65,000 plus benefits, as

NOAA SeattleWA FishConservation

MUST APPLY VIA ZINTELLECT: https://-www.zintellect.com/Opportunity/Details/NOAA-2024-01A *Applications will be reviewed on a rolling-basis.

NOAA Office/Lab and Location: Two research opportunities are currently available with the National Oceanic and Atmospheric Administration (NOAA), in the Fisheries Research Participation Program located at Seattle, Washington.

The NOAA Fisheries Research Participation Program will serve as the next step in the educational and professional development of scientists and engineers interested in learning about coastal stewardship and management. This program provides opportunities for students and recent graduates to connect with the unique resources of the National Oceanic and Atmospheric Administration (NOAA) where they can have authentic research experiences using equipment not found on most college campuses. These research experiences complement the educational nature of the program and make participants aware of potential STEM employment opportunities at NOAA. Throughout their appointments, selected candidates will have access to unique research and training opportunities, top scientists and engineers,

and state-of-the-art facilities and equipment.

Research Project: Climate change and rapid growth of urban centers are limiting the conservation and recovery of west coast salmon and steelhead. Urban growth is also causing increases in non-point source toxic runoff to freshwater and marine habitats making it imperative to investigate the impacts of stormwater pollutants on salmon. This project will develop new analytical methods for assessing exposure of salmon to toxic chemicals found in stormwater runoff from highways. The project will incorporate in vitro and in vivo methods to advance our understanding of salmonid exposure to stormwater contaminants and support salmon recovery. The fellows will collect, analyze, synthesize, and write peer reviewed manuscripts on findings from this research. The fellows will collaborate with advisor Dr. Irvin Schultz, as well as collaborators on the project, including partners from other federal, state, and tribal agencies. The project will provide an opportunity to gain laboratory experience with various species of salmon along with approaches for studying the biotransformation of contaminants.

Learning Objectives: The project will provide an opportunity to gain laboratory experience with various species of salmon along with approaches for studying the biotransformation of contaminants.

Mentor: The mentor for this opportunity is Irvin Schultz (irvin.schultz@noaa.gov). If you have questions about the nature of the research please contact the mentor.

Anticipated Appointment Start Date: As soon as possible. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for one year but may be renewed upon recommendation of NOAA and is contingent on the availability of funds.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.

Citizenship Requirements: This opportunity is available to U.S. citizens and Lawful Permanent Residents (LPR) only.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and NOAA. Participants do not become employees of NOAA, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

Questions: If you have questions about the application process please email NOAA@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should be pursuing or have received a Masters or Doctoral degree in one of the relevant fields. Degree must have been received within the past three years, or be currently pursuing.

Preferred skills:

Experience with LC-MS/MS and GC-MS. Prior experience with liquid and gas chromatography - mass spectrometry.

MUST APPLY VIA ZINTELLECT: https://www.zintellect.com/Opportunity/Details/NOAA-2024-01A Zintellect Opportunity Request <ZintellectOpps@orau.org>

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OklahomaStateU OutbreakBiodiversity

Postdoctoral Research Associate Statistical Modeling of Outbreak Risk and Biodiversity

Applications are invited for a Post Doctoral Research Associate in the Statistical Modeling of Outbreak Risk and Biodiversity, in the Department of Integrative Biology at Oklahoma State University, Stillwater OK. The successful candidate will build statistical models capturing how large-scale environmental and socioeconomic factors and affect disease dynamics and large-scale patterns of biodiversity. Knowledge of statistical modeling, machine learning (such as boosted regression trees, ridge regression), GIS, proficiency with R and experience either with macroecological analyses or statistical analyses of disease dynamics are required. Additional skills such as knowledge of diseaseï¿$\frac{1}{2}$ ecology, economic or biodiversity analyses, mechanistic mathematical modelling or phylogenetic comparative methods are welcome but not essential.

Required qualifications are a Ph.D. in ecology, evolutionary biology, statistics, epidemiology or closely related fields. Candidates with a past record of publication in disease ecology, epidemiology or macroecology will be given preference. Candidates must have excellent English writing and verbal communication skills, as well as

an established record of productivity (i.e., at least one previous peer reviewed publication). The positions is available immediately and will remain open until filled. The position will initially have a duration of one year, with possibility of extension to a second year depending on satisfactory performance and funding availability. Compensation will include $54,000 for 12 months of salary, health insurance and other benefits.

To apply, please submit a cover letter addressing how the candidate's expertise meets the position requirements, a CV, one representative publication, and contact info (phone and email) for three references to Patrick Stephens (patrick.stephens@okstate.edu). Please include your name and the name of the position (e.g., "Application for Statistical Modeling of Outbreak Risk: LASTNAME"). Please send all inquiries to Patrick Stephens at (patrick.stephens@okstate.edu). Review of applications is underway and will continue until a suitable candidate is found. We value the diversity of perspectives that a team made up of individuals with varied backgrounds will possess and encourage applications from members of groups underrepresented in STEM.

Patrick R Stephens Assistant Professor Department of Integrative Biology 420 Life Sciences West Oklahoma State University Stillwater, OK 74078

"Stephens, Patrick" <patrick.stephens@okstate.edu>

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

PennsylvaniaStateU ForestClimateAdaptation

Post doctoral opportunity in Forest Ecology: Adaptation to Climate in Forest Tree Species and Climate-smart Seed Sourcing Strategies.

Applications are invited for a postdoctoral scholar to join the Leites lab and a highly dynamic team of scientists from Penn State University, Purdue University, University of Kentucky, and the US Forest Service, who are working on the multidisciplinary project "Future-proofing forests though a genetically informed reforestation/restoration decision network".

The postdoctoral scholar will join the team to work on ecological genetics (a.k.a. genecology) of forest tree species, modeling population responses to climate in tree species native to the eastern US, and delineating climate-smart seed sourcing strategies for resilient forests. Duties include assembling and managing a large number of datasets from provenance and common garden trials for multiple species, statistical modeling and data science work, preparation and submission of manuscripts for peer reviewed journals, writing reports, oversight and coordination of activities with collaborators, serving as a role model and providing support to graduate students in the project, and performing other tasks as they arise.

The postdoctoral scholar will have the opportunity to mentor undergraduate and graduate students, participate in extension and outreach activities, and participate in professional development activities as well as attend relevant and agreed-upon scientific conferences.

This is a limited-term position funded for one year from date of hire with an excellent possibility of re-funding for a second year pending performance and funding availability. A minimum of one submission or publication in a peer-reviewed journal during the first year is required to be considered for contract renewal. This position will be located at Penn State in University Park, Pennsylvania (State College, PA).

Required Qualifications: * PhD in a relevant field such as forest ecology, forestry, or ecology, * Strong proficiency in statistical modeling and familiarity in data science, * Proficiency in R, * Record of publications in peer-reviewed journals, * Field experience in forest settings, * Excellent organizational skills, * Excellent teamwork, mentoring, and communication skills, * Committed to an ethical, inclusive, and nurturing work environment.

Preferred Qualifications: * Knowledge or background on ecological genetics (a.k.a. genecology), * Field experience working with common gardens and provenance trials, * Familiarity with forest tree species native to the eastern US, * Proficiency in geospatial analysis in R.

Start Date: Spring 2025 The Leites lab provides an intellectually rigorous and stimulating environment where we strive to be inclusive and welcoming so that all members can achieve their academic and professional goals. Visit our lab page for more information (https://ecosystems.psu.edu/research/labs/leites-lab).

Applicants are required to have a Ph.D. or equivalent doctorate in an appropriate field and be able to provide evidence that all requirements have been met for completion of the Ph.D. prior to the effective date of hire. To apply, visit Penn State University Careers (https://hr.psu.edu/careers) and search for position REQ_0000054453. For inquiries, please contact Dr. Laura Leites at lpl3@psu.edu.

"Leites, Laura P" <lpl3@psu.edu>

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Prague
BiogeographyEvolutionMicrobes

Postdoc in Biogeography of Soil Bacteria

Job description

In contrast to vertebrates or plants, the biogeography of microbes is far less understood. It is not surprising if we consider how difficult is to observe them in the environment and how challenging it is to work with organisms that can reach the abundance of several billion individuals in a single gram of soil. The rapid growth and evolution, often simple reproduction and excellent ability to disperse set bacteria aside from larger organisms in terms of community assembly. Fortunately, current data and tools make it possible to discover and describe the rules driving microbial biogeography and dispersal, map their diversity and predict their future in a changing climate. If you wish to be involved, this position is just for you.

Requirements - PhD degree in the field of biogeography, ecology, microbiology, or similar - Advanced skills in data analysis (R scripting, GIS, regression analyses, etc.) - First-authored papers in leading interdisciplinary journals or high- ranking IF journals in the fields of biogeography, ecology and microbiology - Excellence in English and good communication skills - Motivation for scientific work within the frames of the project - During the appointment, the person will be based in the Czech Republic

We offer - Work in an inspiring and friendly environment of an international team of the Laboratory of Environmental Microbiology of the Institute of Microbiology in Prague, in the Czech Republic - see https://www.researchgate.net/profile/Petr-Baldrian and https://machac.weebly.com/ - The work destination in Prague, Czech Republic with an excellent life quality combining safe and attractive environment and moderate living costs - 30 days of vacation per year - Flexible working hours - Contributions from the social fund (meal vouchers and additional benefits after the first year of employment)

Additional information - The position is offered for an initial period of two years but may be extended. - The position is open until filled; starting date is negotiable.

How to apply Please send your Curriculum Vitae, motivation letter and contacts for at least two independent professionals (such as PhD or postdoc supervisors) who can provide reference. For more information, please contact Petr Baldrian (baldrian@biomed.cas.cz).

Petr Baldrian Institute of Microbiology Czech Academy of Sciences VídeÃ^{2}ská 1083, 142 20 Prague 4, Czech Republic Phone: +420 723770570 Email: baldrian@biomed.cas.cz

Application Deadline We accept applications until the position is filled.

Antonin Machac <A.Machac@email.cz>

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SmithC GenomeEvolution

Postdoctoral Position: Bioinformatic & single-cell 'omics approaches for studying genome evolution

The Department of Biological Sciences at Smith College invites applications for a benefits eligible postdoctoral position, focusing on genome evolution in microeukaryotes (aka protists), to begin on or after December 1, 2024. The bulk of the work will focus on bioinformatic analyses of data generated in the lab from diverse amoebae. The initial appointment is for one year, with the possibility of extending for additional years. The position will be housed in Professor Laura Katz's laboratory in the Department of Biological Sciences ; questions should be directed tolkatz@smith.edu.

The goals of this research include characterizing genome architecture in poorly-studied clades and reconstructing the evolutionary history of both genes and species (i.e. species delimitation). The ideal candidate will: 1) be a productive researcher with interests in both biodiversity and phylogenomics of microorganisms; 2) have experience identifying and isolating diverse protists; 3) have knowledge of bioinformatic and/or phylogenetic tools; 3) have excellent communication and interpersonal skills; and 4) be interested in collaborating with graduate and undergraduate students in the laboratory.

Research in the Katz lab aims to elucidate principles of the evolution in eukaryotes through analyses of microbial groups, and to assess how these principles apply (or

fail to apply) to other organisms. Currently we focus on three interrelated areas: (1) characterizing evolutionary relationships among eukaryotes using single-cell 'omics and phylogenomics; (2) exploring the evolution of germline vs somatic genomes; and (3) describing the phylogeography and biodiversity of protists in local environments (bogs, fens, coastal habitats).

Submit application through Smith's employment website with a cover letter, curriculum vitae, sample publications and the contact information for three confidential references. Finalists may be asked for additional materials. Review of applications will begin on September 18, 2024.

Link:

https://smithcollege.wd5.myworkdayjobs.com/-smithcollege/job/Smith-College/Postdoctoral-Research-Fellow_R-202400534 Laura Katz <lkatz@smith.edu>

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StanfordU AntAdaptation

POSTDOCTORAL POSITION Stanford University, Department of Biology

We are excited to announce an opening for a postdoctoral researcher position to work on a newly NSF-funded project, a collaboration between Deborah Gordon (Stanford) and Florian Menzel (University of Mainz, Germany) on variation among harvester ant colonies in the waterproofing capacity of their cuticular hydrocarbons (CHCs), and how the CHCs are related to the collective regulation of foraging behavior to manage the risk of water loss.

The position will be based in Deborah Gordon's lab in the Department of Biology, Stanford University (http://www.stanford.edu/~dmgordon/).

Qualifications: The position requires a motivated and self-directed scientist who is independent, conscientious, with a strong background in reproducible research including statistical analysis, and has excellent written and oral communication skills. Applicants should have research experience in chemical ecology, preferably in CHCs,involving both field and laboratory work on insect behavior, and a strong publication record in peer-reviewed journals.

Application Instructions:Candidates are required to hold a PhD before their start date. The start date is flexible.Review of applications will begin immediately and the position will remain open until filled. Applicants should submit their CV, statement of research interests, and the names and contact information of three references. Inquiries about the position should be sent to Deborah Gordon (dmgordon@stanford.edu).

Deborah M. Gordon Professor, Department of Biology Stanford University http://www.stanford.edu/~dmgordon/ New book: https://press.princeton.edu/books/paperback/9780691232157/the-ecology-of-collective-behavior Deborah M Gordon <dmgordon@stanford.edu>

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StonyBrookU NY MetagenomicsModelingMicrobes

Postdoctoral Associate Metagenomic Trait Prediction and/or Modeling Microbial Systems Stony Brook University

The Microbial Genomes And Metagenomes to Unravel Traits Lab (mGAMUT Lab; PI: JL Weissman) at Stony Brook University (https://microbialgamut.com/) has an opening for a postdoctoral researcher to begin in January 2025 (earlier start date negotiable). This position will be for one year initially and is renewable for an additional year dependent on applicant contributions to the project.

Our lab develops new computational tools to infer what microbes are doing and can do directly from genomic and metagenomic data (e.g., https://github.com/jlw-ecoevo/gRodon2), aiming to improve the representation of microbes in global biogeochemical models. The successful applicant will work on several projects developing computational methods for microbial trait prediction from genomic and metagenomic data. This position comes with significant flexibility for a candidate to shape their own research program depending on their interests and background. For example, our group also has ongoing projects that use a combination of comparative genomics, population genetics, and mathematical models to understand the ancient and ongoing battle between microbes and their viruses.

The successful applicant should have or will shortly

obtain a PhD in Computational Biology, Biology, Ecology & Evolution, Computer Science, Mathematics, or Physics, or a closely related field, with research experience using computational approaches to answer biological questions. This position is expected to be highly computational, therefore prior experience with computer programming is essential (ideally, the R programming environment at a minimum) and familiarity with high performance computing environments is desirable. Given the nature of the work, prior experience working with genomic data is required. A working knowledge of metagenomics and a familiarity with microbial systems is desired.

Our lab is committed to creating a collaborative, equitable, and inclusive working environment, and we welcome candidates who share those goals. You can find our draft code of conduct online. Finally, studies have shown that women and people of color are less likely to apply for jobs unless they believe they can perform every job description task. We encourage you to apply even if you do not meet every single preferred qualification listed on the official job posting, with the explicit understanding that scientists from a broad range of backgrounds bring skills and perspectives that can push our lab's research in new and exciting directions.

Applications will be accepted until October 3, 2024. Applicants must submit materials electronically through the SBU Jobs system: https://stonybrooku.taleo.net/-careersection/2/jobdetail.ftl?job=2402855&tz [position number 2402855] - a resume/CV that documents all applicable required and preferred qualifications, - a writing sample (e.g., a peer-reviewed paper, submitted manuscript, or dissertation), and - a cover letter (1-2 pages) that briefly (1) describes their relevant training and research accomplishments, (2) explains their reasons for applying for this specific position, (3) describes their career aspirations and how this position will advance their goals, and (4) clarifies any of the required or preferred job qualifications listed on the official posting that the candidate may meet but are not clearly indicated on their CV, to:

Dr. Jackie Lee Weissman (they/she) Department of Ecology & Evolution Life Sciences Building, Room 610 Stony Brook University Stony Brook, NY 11754-5245

The official posting and online application can be found at https://stonybrooku.taleo.net/careersection/-2/jobdetail.ftl?job=2402855&tz .Queries regarding this position can be made by email to: jackie.weissman@stonybrook.edu

The anticipated annual salary for this position is $72,000 plus location pay, which is currently $3,400 annually for Fiscal Year 2024-2025 (for a total of $75,400).

Job Description

Required Qualifications: Doctoral Degree in Computational Biology, Biology, Ecology & Evolution, Computer Science, Mathematics, or Physics, or closely related field or foreign equivalent degree. For those with degrees that are not explicitly computational (e.g., Biology), a record of coursework and/or research in quantitative areas must be shown. For those with degrees not explicitly related to biology (e.g., Mathematics), a record of coursework and/or research concerning biological questions must be shown. Degree in hand by December 2024.

- Experience analyzing genomic and/or metagenomic data using computational methods

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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

Sydney PollinationMatingSystems

The Hawkesbury Institute for the Environment (HIE) is offering a two year postdoctoral researcher position investigating pollinator abundance, diversity and behaviour in native seed production areas, and how pollinators influence plant mating patterns and seed quality. The project is co-funded by Greening Australia, Western Sydney University's Graduate Research School, and the Ian Potter Foundation.

Addressing Australia's challenges of biodiversity loss and climate change is hampered by limited availability of good quality native seed. Regional Seed Production Areas (SPAs) are thus required to produce stocks of resilient, healthy seeds suitable for a changing climate. Consequently, we also need to know how different horticultural practices and planting designs influence seed yield and quality in SPAs. Given the importance of pollinators to the yield and genetic quality of SPA-produced seed, it is essential to investigate pollinator visitation and performance on key plant species in SPAs. This project will use innovative fieldwork techniques (plantings, exclusions) and technologies (eDNA, cameras) to understand which animals pollinate selected Australian native plants and how SPA design influences their pollination, seed yield and seed quality.

WSU - https://uws.nga.net.au/?jati=48C4AB57-0D31-C015-1274-DB064F9C11FE SEEK - https://-

www.seek.com.au/job/78944421　Please share with potential candidates and email to discuss. Regards Paul

Dr Paul Rymer| Associate Professor Hawkesbury Institute for the Environment Western Sydney University Hawkesbury Campus Locked Bag 1797 Penrith NSW 2751 Australia P: +612 4570 1094 | M: 0415 963 139

westernsydney.edu.au

I acknowledge that I work on the country of the Boorooberongal People of the Darug Nation and acknowledge their ancestors who have been Traditional Owners of their country for tens of thousands of years. I also acknowledge and pay my respect to Elders past and present.

Paul Rymer <P.Rymer@westernsydney.edu.au>

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closes 29 October - for those that require flexible working due to personal circumstances), the Newton International (opens 23 January 2024 - non-UK only), and the Research Fellowships and International fellowships from the Leverhulme Trust (both open, deadline 7 November).

Please contact David Fisher (david.fisher@abdn.ac.uk) if interested. This advert with live links to the fellowship opportunities is also posted on https://evoetholab.com/-opportunities/"　David N. Fisher he/him Lecturer The School of Biological Sciences University of Aberdeen Web | GS| Soc | RG| Or | LI

The University of Aberdeen is a charity registered in Scotland, No SC013683. Tha Oilthigh Obar Dheathain na charthannas clï¿½raichte ann an Alba, ï¿½ir. SC013683.

"Fisher, David" <david.fisher@abdn.ac.uk>

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UAberdeen SpiderRNAseqData

"Are you interesting in conducting an independent fellowship (post-doc) at the intersection between genomics, immunology, and evolutionary biology? We have an exciting opportunity for someone to join a collaboration between the University of Aberdeen (United Kingdom, in the lab of Dr David Fisher) and Aarhus University (Denmark, with Prof. Trine Bilde and Dr Jesper Bechagaard).

We have a resource of 68 RNA sequences already available from an experiment exposing social spiders to a bacterium, a fungus, and a control over 4, 12, 24, and 48 hours. We are looking for someone excited to analyse this dataset to discover the temporally dynamic genetic response of social spiders to different infection threats (building on our past work), and to write a fellowship application based around this dataset and other related work (mostly likely on social spiders in the lab and/or field, but other systems such as cockroaches are available).

We will fully support the applicant in the development and writing of the fellowship application and are happy to discuss any and all ideas for research topics. Suggested fellowships include: NERC independent fellowships (2024 call yet to be announced), the Daphne Jackson fellowship (always open - for those having taken a career break for family, health or caring reasons), the Royal Society's Dorothy Hodgkin fellowship (open,

UAlmeria PlantEvolGenomics

Postdoc position in Plant Evolutionary Genomics, University of Almería (UAL), Spain

The research group in "Plant Evolutionary Genomics", led by Prof. Lorenzo Carretero-Paulet at the University of Almería (UAL), Spain, is seeking a highly motivated postdoctoral researcher for a two-year full-time position starting in January 2025 to work on a research project funded by the Spanish Ministry of Science, Innovation and Universities (OrphanEvolGen). OrphanEvolGen aims at generating high-quality reference chromosome-scale genome sequences of selected orphan crop tree species plus their wild close relatives, as well as to re-sequence the whole genomes of a set of varieties and accessions. Through in-depth evolutionary and population genomics analyses of the genomics data generated we expect to i) identify varieties best suited for their (re)introduction in arid and semi-arid regions; and ii) unravel the adaptive genomic landscape of salient evolutionary innovations and agronomically desirable traits, which ultimately is critical for the development of elite varieties better adapted to local and changing environmental conditions.

All applicants are required to have a PhD in Biology, Bioinformatics, Data Science or related disciplines. The ideal candidate should have scientific training in analy-

sis of large genomic datasets (e.g., Illumina short reads, Oxford nanopore long reads), genome structural annotation, and / or population genomics, as well as basic molecular wet lab experience (e.g. DNA isolation, PCR, gel electrophoresis), familiarity with Linux command line / bash scripting, proficiency in at least one programming language (e.g. Python, R, PERL) and excellent communication skills in English, both verbally and written, as demonstrated by scientific communications in meetings and conferences or peer-reviewed scientific manuscripts. The Postdoc is expected to work collaboratively as part of an international and multidisciplinary team of researchers, be able to think creatively and have excellent organizational skills.

The successful applicant will be encouraged to participate in additional collaborative research projects and to develop his/her own research program aligned with the research interests of our lab. The postdoc researcher will also have the chance to contribute to teaching in Genomics or related subjects in the Bachelor's and Master's degrees of Biotechnology at UAL, as well as to (co)-direct and -supervise the final research project of graduate and undergraduate students. Gross salary is ~35k/year and includes full benefits.

Our lab is located at the University of Almería (UAL), one of the youngest and most dynamic public universities in Spain. The UAL campus is located on the shore of the Mediterranean Sea just a few kilometers away from the city center of Almería. The city of Almería is the capital of the Andalusian province with the same name, founded in the 10th century during the Islamic era, and home to important historical remains from that period, notably the Alcazaba fortress. Located in the southeastern Iberian Peninsula, it is a very affordable, yet underrated, medium sized city with high standards of quality of life and a privileged climate. Indeed, the province of Almería is considered one of the most arid regions of the entire European continent, and one receiving the most days of sunshine and wind per year in Europe. Almería's province offers beautiful and picturesque scenery for practicing any kind of outdoor activities all year around. Furthermore, Almería is home to a unique and rich diversity of species and ecosystems, extending from the Sierra Nevada mountain range to the picturesque Cabo de Gata natural park, one the few sub-desertic areas and coastal zones integrally protected in Europe. The dominant economic sector in Almería is based on intensive agriculture specialized in vegetable cultivation year-round in greenhouses, around which a vibrant biotech industry has developed.

Interested candidates should submit a brief cover letter, a CV and a one-page statement of research interests to Prof. Lorenzo Carretero-Paulet (lpaulet@ual.es) ideally no later than October 21st, 2024. Interviews are expected to take place shortly thereafter. Please include contact information for at least two professional references willing to write letters of recommendation on your behalf. Selected applicants should submit an official application through the UAL employment web portal.

Lorenzo Carretero Paulet

Associate Professor of Genomics Dept. Biology and Geology- Edif ESI (2.32) Email:lpaulet@ual.es Tel. +34 950015565 Fax+34 950015476

University of Almería Ctra. Sacramento s/n 04120 Almería (Spain)

Puede consultar la información adicional sobre confidencialidad de este email y protección de datos en nuestra página web:www.ual.es/lopd-email .

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UArkansas EvolutionaryBiol

Postdoctoral fellow in Evolutionary Biology

The Beaulieu lab (www.jeremybeaulieu.org) at the University of Arkansas is accepting applications for a Postdoctoral Fellow. This is a two-year postdoctoral position as part of a new NSF funded project (IOS-2409451), that is in collaboration with the University of Tennessee. The project will involve applying phylogenetic comparative approaches to test how the needle traits of pines vary in response to environmental factors as well as apply a predictive modeling approach to reveal the dominance of biophysical traits. This position will participate in outreach activities and will have the opportunity to work in a collaborative environment. The postdoctoral fellow will also be given the opportunity to initiate new projects based on previous experience and resources in the lab. New projects can relate to morphological evolution, diversification, and/or molecular evolution of plants.

Qualifications:

* Ph.D. from an accredited institution of higher education or successfully defended dissertation prior to start date * Experience with phylogenetics and its application

to empirical data * Knowledge, background, or interest in applying phylogenetic comparative methods to large data sets

Application deadline is 9/30. The start date is very negotiable.

For informal inquiries please contact Jeremy Beaulieu (jmbeauli@uark.edu).

For a complete position announcement and information regarding how to apply, visit https://uasys.wd5.myworkdayjobs.com/UASYS/job/Fayetteville/Postdoctoral-Fellow-in-Biological-Sciences_R0061919   The University of Arkansas is a Tier 1 research university is located in Fayetteville, which is in the northwest corner of the state. Set in the heart of the beautiful Ozark Mountains, Fayetteville has an abundance of state parks, community green space, parks, and walking trails. The city also has a first-class performing arts center, an active local food movement, a vibrant live music and festival scene, and a low cost of living compared to cities of similar size. Fayetteville is consistently named as the top 5 place to live in the U.S. by U.S. News & World Report.

Jeremy Michael Beaulieu <jmbeauli@uark.edu>

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UCalifornia Davis PopulationBiology

Dear colleagues,

Please send this on to your department list servs.

The Center for Population Biology at UC Davis invites applications for a Postdoctoral Fellowship in Population Biology, broadly defined to include ecology, phylogenetics, comparative biology, population genetics, and evolution. We particularly encourage applications from candidates that have recently completed, or will soon complete, their Ph.D.

The position is for TWO YEARS, subject to review after one year, and can begin as early as July 1, 2025. This position is covered by a collective bargaining unit. The [posted UC salary scales] (https://www.ucop.edu/academic-personnel-programs/compensation/index.html) set the minimum pay determined by rank and/or step at appointment. See [Table 23: Postdoctoral Scholar-Employee, Postdoctoral

Scholar-Fellow, Postdoctoral Scholar-Paid Direct, Fiscal Year] (https://www.ucop.edu/academic-personnel-programs/_files/2024-25/oct-2024-scales/t23.pdf). The salary range for this position is \$66,737-\$66,737. "Off-scale salaries", i.e., a salary that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions, qualifications, and experience. The Fellow will be a fully participating member in the Center for Population Biology and will be expected to have an independent research program that bridges the interests of two or more CPB faculty research groups. The postdoctoral fellow plays a leadership role in our community with past fellows acting as important mentors, collaborators, and role models to our graduate students. We strongly encourage candidates to contact appropriate faculty sponsors before applying. We also ask that each Fellow propose a workshop, discussion or lecture series that they could offer to the community of population biologists at UC Davis; faculty sponsors or the Director of CPB, Graham Coop, can provide additional input on this aspect of the fellowship. For samples of past workshop abstracts and more information about UC Davis programs in population biology, see   https://cpb.ucdavis.edu/cpb-postdoc-fellowship. Workshop proposals can focus on broad research techniques or topics, career development, or diversity equity and inclusion activities.

ONLINE APPLICATION: Interested candidates should submit a cover letter, a CV, a short description of research accomplishments (1-2 pages), a short description of proposed research including potential faculty mentors (1-2 pages; references may be in addition to the page limit), a brief description of their proposed workshop (1 page or less), copies of two manuscripts (published, preprints, or drafts), and a statement of contributions to diversity, equity, and inclusion. All documents should be submitted in PDF format at: https://recruit.ucdavis.edu/JPF06743. (This job number and application link will be open and available for application input on or around September 27, 2024.)

Applicants should also provide the information requested for three referees. Once entered, applicants will electronically request letters from referees who will then be prompted by email with upload instructions. The postdoctoral fellow plays a leadership role in our community with past fellows acting as important mentors, collaborators, and role models to our graduate students. Therefore, we ask the applicant to please advise the reference writers to comment on the candidate's past roles as a mentor and/or a community member. Refer to the on-line instructions for further information.

For full consideration, applications (including letters

of reference) must be received by November 1, 2024. E-mail questions to smmann@ucdavis.edu.

The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for diversity.

Graham Coop Professor, Department of Evolution and Ecology Director of the Center for Population Biology. University of California, Davis gcbias.org < http://www.eve.ucdavis.edu/gmcoop/ > Storer Hall, One Shields Ave., Davis, CA 95616 Ph: 530-752-1622 Fax: 530-752-1449

Graham Coop <gmcoop@ucdavis.edu>

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UCalifornia LosAngeles ConservationScience

The 2025 UCLA La Kretz Center Postdoctoral Fellowship in California Conservation Science

The UCLA La Kretz Center for California Conservation Science invites applications for its 2025 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 practioners 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 Natural History Museum of Los Angeles County: Jann Vendetti US Geological Survey: Robert Fisher US Bureau of Land Management: Mike Westphal US Fish and Wildlife Service: Cat Darst Natural Communities Coalition: James Sulentich/Danny L. Fry National Park Service: Katy Delaney National Park Service: Seth Riley Department of Defense: Robert Lovich

The La Kretz Fellowship is for two years, subject to review after the first year. The target start date is September 2025, 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 Statement (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 with the research of your mentors (maximum three pages, including figures and references) (v) Letters of Support: A brief letter from your on-campus UCLA mentor AND your off-campus agency/NGO mentor (vi) Two of Your Relevant Publications.

In addition, have:

(vii) Two Letters of Reference: One letter must be from your Ph.D. advisor. Note, reference letters are in addition to the letters of support from your proposed mentors. Please arrange to have reference letters emailed to lakretz@ioes.ucla.edu with the subject line "La Kretz Postdoc letter for (your last name)."

The deadline for completed applications is November 25th, 2024 at 12pm (PST).

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UIllinois Chicago CraniofacialEvolution

Dear colleagues,

The Nicholas Lab at UIC College of Dentistry seeks applicants for an opening for a postdoctoral research associate. This is a full-time, in person position. While located in the Department of Orthodontics, the PI of the lab is a biological anthropologist by training and particularly welcomes applications from anthropologists, anatomists, forensic scientists, paleontologists, and related. Nicholas has a secondary affiliation with the Department of Anthropology, which has a thriving seminar series and other departmental activities which the postdoc would be welcome to attend.

To apply: https://uic.csod.com/ux/ats/careersite/1/home/requisition/11999?c=uic Position Summary A postdoctoral research associate position is available in the lab of Dr. Christina Nicholas, University of Illinois Chicago College of Dentistry. The Nicholas Lab applies deep phenotyping approaches to clinical, anthropological, and evolutionary questions primarily in the area of human craniofacial growth and development (https://sites.google.com/uic.edu/nicholaslab/home). This position is funded by an award from the National Institute of Justice, "DENTAGE: A multicomponent subadult dental age estimation method". The Nicholas Lab does not conduct forensic casework, though a candidate with prior experience may have opportunities to collaborate with Dr. Michael Colvard (forensic dentist) outside of the time allotted to the grant research. The post-doc will focus on research and scientific techniques within the fields of dental anthropology, forensic dentistry, and craniofacial biology.) In addition to submitting the online application, candidates should provide a CV, a list of 3 academic references, and a one-page cover letter briefly describing relevant qualifications, career goals, and availability for a preferred expected start date to Dr. Christina Nicholas (clnichol@uic.edu). A start date in January or February 2025 is preferred but negotiable, with the ability to start no later than July 2025.

Duties & Responsibilities * Collaborate with Principal Investigator, co-investigators, and other lab researchers to design and refine the research objectives and sub-objectives. * Test, optimize and implement both new and existing methods/techniques. * Conduct research on dental age estimation, including application of standard scoring methods and advanced computational approaches. * Collect, analyze, and interpret data. * Generate data, compile figures and draft documents for grant applications and peer-reviewed manuscripts. * Supervise and train undergraduates, dental students, dental residents, and other trainees working in the lab. * Present research findings at national/scientific conferences. * Publish original research in peer-reviewed journals. * Other duties as assigned. * Perform other related duties and participate in special projects as assigned.

Qualifications: Minimum Qualifications - PhD in biological anthropology, anatomy, computational biology, or related field. Will also consider those with a PhD in other science disciplines with demonstrated experience collaborating on anthropological and/or anatomical research. - Possesses and applies comprehensive knowledge of research principles, concepts, practices and methods. - Proficient in use of R, Python, or other programming language for standard statistical analyses.

Preferred Qualifications

- Expertise with geometric morphometric analyses - Expertise in machine learning for anthropological or biomedical applications - Strong background in human anatomy/osteology, particularly craniofacial - Proficiency in use of radiograph and 3D imaging programs (e.g., 3D Slicer, ImageJ, Geomagic) - Experience designing web applications - A record of peer-reviewed publications

"Nicholas, Christina Lynne" <clnichol@uic.edu>

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UIllinois SticklebackBehavior

The Bell lab at the University of Illinois Urbana https://alisonbelllab.web.illinois.edu is looking for postdocs and graduate students to work on genomic, molecular, endocrine and/or neural mechanisms of evolutionary divergence in reproductive strategies in three-spine sticklebacks.

The Bell lab provides a vibrant interdisciplinary and collaborative research environment and has a strong track record of training postdocs and graduate students for academic and other professional careers.

Postdoc candidates with experience in animal behavior, genomics, transcriptomics, brain injections, genome editing, neuroanatomy or bioinformatics are especially encouraged to apply. A strong background in neurobiology, molecular biology, genomics, behavioral ecology and/or evolution is preferred. Successful postdoc candidates will have a PhD, a strong track record of publications in internationally peer-reviewed scientific journals and a willingness to work in a collaborative environment. Start date is flexible. Review of applications will begin January 15, 2025. Interested postdoc applicants should send a CV, 2-3 relevant publications, contact information for three references and a brief, one page research statement of interests related to ongoing work in the Bell lab to alisonmb@illinois.edu with Postdoc search: < <YOUR NAME>> in the subject line.

We are looking for graduate students with interests in the areas mentioned above, some research experience and enthusiasm for learning more. Potential graduate students should email Alison Bell at alisonmb@illinois.edu for more information.

The Bell lab is committed to broadening participation in STEM and is looking for people who share that vision and who are committed to diversifying science.

"Bell, Alison" <alisonmb@illinois.edu>

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UKansas EvolutionaryGenomicsMammals

Postdoctoral Position in Evolutionary Genomics, The University of Kansas

The Mack lab (ww.katyamack.com) seeks a postdoctoral researcher to work on an NIH-funded project on gene expression evolution and complex trait adaptations in rodents. The Mack lab, within the Department of Ecology and Evolutionary Biology at the University of Kansas, is an evolutionary genomics lab focused on questions related to population genetics, adaptation, and speciation. We work in diverse systems, but focus on mice as a model for understanding mammalian evolution.

The postdoctoral researcher will contribute to work in the lab aimed at understanding the genomic basis of complex traits using a combination of wet-lab and bioinformatic approaches (e.g., transcriptomics, population genomics, phenotyping, and genome-editing). The aims of the position will be tailored to the expertise of the successful applicant to complement the lab's broad interest in the genomics of adaptation, gene expression evolution, and the role of gene-by-environment interactions in phenotypic evolution. This position offers a unique opportunity to utilize diverse phenotypic and genomic datasets to understand the role of gene expression evolution in shaping phenotypic evolution within and between species in a premier mammalian model system.

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

Contact: Interested individuals should contact Katya Mack at katya.mack@ku.edu. Please include the following: (1) a cover letter addressing your interest in the position and how your expertise meets the position requirements, (2) a CV, (3) contact information for 3 references, (4) 1 representative publication. Candidate

materials will be reviewed until the position is filled.

Katya Mack <katya.mack@gmail.com>

ULausanne EvolutionaryConservationBiology

Postdoctoral position in Evolutionary Conservation Biology

Introduction The University of Lausanne (UNIL) is a leading international teaching and research institution, with over 5,000 employees and 17,000 students split between its Dorigny campus, CHUV and Epalinges. As an employer, UNIL encourages excellence, individual recognition and responsibility.

Presentation The Group of Prof. Claus Wedekind is proposing a Postdoctoral (Premier Assistant) position in Evolutionary Conservation Biology at the Department of Ecology and Evolution, University of Lausanne, Switzerland. The postdoc will join a dynamic team working on the selective forces that act on freshwater fish, i.e. the effects of human activities in interaction with natural and sexual selection. For more information, see https://www.unil.ch/dee/wedekind-group . Job information Expected start date in position: 1.12.2024 or to be agreed Contract length: 1 year, renewable depending on funding availability Activity rate: 60-100% Workplace: Lausanne-Dorigny

Your responsibilities The research project will be defined together with the group leader based on the Postdoc interests and competencies in the field of Evolutionary Conservation Biology. Most of his/her time will be dedicated to research, but a contribution to teaching is expected, including the possibility of supervising master students. The job description stipulates: 70% Personal research 25% Participation in teaching activities and master student supervision (in English) 5% Maintenance of lab equipment or other institutional tasks.

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

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

What the position offers you We offer a nice working place in a multicultural, diverse and dynamic academic environment, opportunities for professional training, a lot of activities, and other benefits to discover. The Department of Ecology and Evolution at Lausanne University hosts research groups working on a broad range of topics, producing a rich intellectual and social life. Although French is the common language in the Lausanne region, the department research activities and seminars are conducted in English. The campus is located on the shore of Lake Geneva, with a view of the Alps.

Contact for further information For further information please contact Prof. Wedekind: claus.wedekind@unil.ch

Your application Deadline to apply: 30.9.2024 Formal applications should include: - a cover letter detailing your research interests, experience, and motivation for applying; - your CV; - a copy of your PhD certificate; if you have not yet finished your PhD indicate the scheduled or expected date (a contract as Postdoc/1er assistant cannot be issued before the completion of the thesis); - the names and contact details of two or three referees.

Please send your full application in Word or PDF. To receive full consideration, application documents should be uploaded online through the University of Lausanne recruitment platform: https://bit.ly/3zefM52 Review of applications will begin immediately.

Additional information UNIL is committed to equal opportunities and diversity. www.unil.ch/egalite UNIL supports early career researchers. www.unil.ch/graduatecampus

Claus Wedekind Department of Ecology and Evolution, Biophore, University of Lausanne, 1015 Lausanne, Switzerland. Tel. +41 21 692 42 50 https://www.unil.ch/dee/wedekind-group Claus Wedekind <claus.wedekind@unil.ch>

UMainz Two EvolutionaryBiology

Two 3-year postdocs: (1) Theoretical evolutionary ecology, (2) Avian life history evolution

We (kokkonuts.org) are interested in strengthening our research team that works on life history evolution in a broad sense, including the evolution of ageing, sexual reproduction, and evolutionary conflicts. We are therefore offering two postdoctoral positions.

Both are offered for 3 years, ideally starting in January 2025 (with considerable flexibility). You will join a research group that will offer collaboration prospects within the group, with other researchers at JGU, as well as elsewhere via Prof. Kokko's international network. Short- and long-term visitors, from workshops to sabbatical-length visits, bring in excellent prospects for collaboration and idea exchange between the postdoc and other theoreticians/empiricists as well.

The precise topic of position (1) will be developed together with the postdoc (see application procedure below), while the postdoc of position (2) will take part in a new collaboration between Prof. Kokko, Prof. Bouwhuis (https://sites.google.com/site/drsandrabouwhuis/) and Dr. Vedder (https://ifv-vogelwarte.de/en/home-ifv/-staff/dr-oscar-vedder). This collaboration has a focus on life history theory, but also offers opportunities for field- and experimental work on common terns and/or captive quails, respectively.

While primarily focused on research, both positions come with a 4 h/week teaching expectation during semester times, with content that will be developed together with Prof. Kokko and her other group members. The working language of the group is English, and teaching can be arranged flexibly in either English or German.

We expect: A PhD degree in a suitable field (biology, physics, mathematics) Skills in theoretical evolutionary ecology An interest in working in a 'theory hub' with full-time junior researchers as well as short-term visitors Proven capability of producing publishable research An interest in developing one's teaching skills

We offer: A chance to work within a newly established hub in theoretical evolutionary ecology A renumeration package that follows the German EG13 scale (range marked as '13' on https://www.lff.rlp.de/fileadmin/-user_upload/LFF/PDF/service/gehaltstabellen/TV-L/TV_Laender_ab_01122022.pdf Flexible working hours Internal and external training opportunities The position complies with the German ç57 High Education Act (Hochschulgesetz)

To apply, please send (1) CV + publication list; (2) a 1-page motivation letter, that also indicates the position of primary interest ('bird' or 'non-bird'); (3) Comments on 1 paper, chosen either from the journal club list of www.kokkonuts.org (section 'journal club'), or from Prof. Kokko's Google scholar profile. This part of the application should list the comments that the applicant would plan to give in a journal club if this paper was discussed there. The length of this document is not prescribed: concise expression, but with enough detail so that a reader can follow the logic, is ideal; (4) Two names & email addresses of references.

The above should form a single pdf and be sent to Hanna Kokko (hkokko@uni-mainz.de) by 15.10.2024.

Prof. Hanna Kokko

Institute of Organismic and Molecular Evolution (iomE) Johannes Gutenberg-Universität Mainz Hanns-Dieter-Hüsch Weg 15 55128 Mainz Germany

kokkonuts.org

Twitter: @kokkonutter

Email: hkokko@uni-mainz.de

"Kokko, Hanna" <hkokko@uni-mainz.de>

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UMiami TransgenerationalEffects

Hiring a research associate to follow through on the molecular bench portion on my NIH NIEHS R00 project. The project involves examining the genetic and epigenetic changes underlying the transgenerational effects of cadmium exposure in zebrafish and the potential of selenium to mitigate cadmium toxicity. We're nearing the end of the NIH funded project, so the project has a strict timeline for completion (e.g., RNA extractions, qRT-PCR, RNA seq, bisulfite sequencing). Individuals with experience in molecular benchwork are encouraged to apply.

Primary responsibility includes providing leadership in research, performing laboratory work as needed, analyzing genetic and genomic datasets, writing peer-reviewed

papers and asisting with grants.

Direct all inquiries to Dr. Delia Shelton (dshelton@miami.edu). Please include your CV and a writing sample for full consideration.

Delia S. Shelton, PhD

she/ella Cox Science Building Room 29 Assistant Professor Biology Department University of Miami #BlackLivesMatter deliashelton.com

The University of Miami acknowledges the ancestral and traditional territories of the Seminole Tribe of Florida, the Council of the Original Miccosukee Seminole Nation Aboriginal Peoples and the Miccosukee Tribe of Indians of Florida who are the original owners and custodians of the land upon which we stand and learn.

dshelton@miami.edu

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UNaples OrchidBioticInteractions

UniNaples. Orchids interbiotics

Postdoctoral Position at the University of Naples Federico II, Naples, Italy

We are accepting applications for a one-year post doctorate fellow position in the field of genotyping and metabarcoding of orchid biotic interactions.

Review of applications begins on november 2024

OVERVIEW:

We are looking for an enthusiastic candidate with a strong expertise in Bioinformatics alongside a strong background in plant evolutionary ecology. The candidate must have completed a Ph.D. degree in the last three years, preferably in the areas of plant-pollination, plant-fungal interaction, pollen and soil metabarcoding and must show a clear experience of application of bioinformatic tools to these fields. The work will focus on analysing NGS data of orchid genotyping and pollen and fungal metabarcoding that have been already generated in our lab. We aim to associate of fungal and pollinator partners to specific orchid genotypes that have been mapped by population pedigree analyses.

HOW TO APPLY:

To apply, please submit in one PDF file: (i) one page cover letter including motivation and research interests, (ii) a CV, and (iii) contact information for two references electronically, to cozzolin@unina.it Review of applications will continue until the position is filled. Job can start as early as January 2025.

*The selected candidate will be required to present official credentials from all his/her academic degrees.

If you have questions about the position and the project, please email me.

Kind regards,

Prof. Salvatore Cozzolino Ph.D

Dept. of Biology

University of Naples Federico II

Complesso Universitario di Monte S. Angelo

Via Cinthia, 80126, Napoli, Italia

Building 7, room 0D-27

Email: cozzolin@unina.it

Phone:+39-081679186 (room); +39-081679185 (lab)

https://www.docenti.unina.it/salvatore.cozzolino salvatore cozzolino <cozzolin@unina.it>

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UOklahoma AncientDNA

This NSF DISES funded postdoctoral fellow will conduct genomic research on beaver, mink and muskrat as part of an interdisciplinary project on the North American fur trade. The project deploys a diverse methodological toolkit including ancient DNA, stable isotope analysis, zooarchaeology, morphometrics to explore how different cultural practices shaped species and ecological outcomes and how those environmental changes shaped future decisions, practices, and social dynamics.

The goal of this position is to cross-train an individual with a traditional genomics/ bioinformatics background in ancient DNA, community engagement, and historical ecology. This postdoc will be directly supervised by Courtney Hofman at the University of Oklahoma, and with additional mentoring by Alexis Mychajliw (Middlebury College) and Torben Rick (Smithsonian National Museum of Natural History), facilitating exposure to multiple research environments including archaeological field work and museum collections, while building on the postdoc's existing strengths.

Duties:

* Collaborate with PIs and project technicians on study design and data generation. * Work closely with the PIs and project stakeholders on collaborative activities with tribal communities and resource managers. * Conduct bioinformatic analyses on ancient and modern furbearer genomes. * Write manuscripts in support of the project. * Mentor undergraduate and visiting students. * Contribute to the LMAMR < https://lmamr.org/ > community through participation in LMAMR meetings and activities. * Co-write grants for additional funding and support. * Participate in science communication endeavors. * Develop strategies for integrating interdisciplinary datasets (isotopes, DNA, morphometrics, etc.) * Travel for project meetings/sample collection as needed

Required Education: PhD in Life Sciences (preferably genomics, evolutionary biology and/or conservation biology) ** or Anthropology with genomics experience

Skills:

* Strong background in population genetics and bioinformatics * Experience analyzing whole genome datasets * Experience with ancient DNA or degraded DNA (not required but useful)

Department Preferences:

Ideal postdoc will be interested in strengthening their skills in informatics, student mentorship, and diversity, equity and inclusion practice Research has shown that women and people of color are less likely to apply for positions unless they feel confident in meeting every requirement. We encourage you to apply even if you do not meet all the preferred qualifications in the job posting. We value the diverse skills and perspectives that scientists from a variety of backgrounds bring, as they can drive our lab's research in innovative and exciting directions. Start date is flexible but by January 2025 is preferred.

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

Why You Belong at the University of Oklahoma: The

University of Oklahoma fosters an inclusive culture of respect and civility, belonging, and access, which are essential to our collective pursuit of excellence and our determination to change lives. The unique talents, perspectives, and experiences of our community enrich the learning, and working environment at OU, inspiring us to harness our innovation, creativity, and collaboration for the advancement of people everywhere.

Equal Employment Opportunity Statement: The University of Oklahoma, in compliance with all applicable federal and state laws and regulations, does not discriminate based on race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, housing, services in educational programs or activities, and health care services that the University operates or provides.

***Interested candidates should submit their CV and cover letter to Courtney Hofman, courtney.hofman@ou.edu and apply here

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UOregon PopulationGenomics

Postdoctoral positions in Population Genomics at University of Oregon

We are seeking qualified applicants for a postdoctoral position in the joint lab group of Drs. Andrew Kern and Peter Ralph in the Institute of Ecology and Evolution at the University of Oregon. Candidates would work in a few areas, including but not limited to: the development and application of deep learning methods for population genomic inference and/or the role of geographic space in adaptation. We are particularly interested in understanding how the forces of migration, selection, and demography shape patterns of genetic variation in whole-genome data from human, mosquito, and a variety of non-model organism populations.

The ideal candidate would hold a Ph.D. in population genetics, evolutionary biology, phylogenetics/phylogeography, computational biology, computer

science, statistics, or a related field. Indeed, your exact field of research to date is less important than your interest in the scientific questions and motivation to learn. The ideal candidate would have experience programming in python or R, and have some experience with cluster computing environments.

More information about the Kern-Ralph co-lab can be found here: https://kr-colab.github.io/ - note in particular our expectations (https://kr-colab.github.io/-expectations).We are an extremely collaborative group, thus lab members work both on independent projects as well as collaborative projects. The position has funding for multiple years, so we hope to find candidates that will be with us for at least two years. More information about the Institute for Ecology and Evolution can be found here: https://ie2.uoregon.edu/ . The lab is located on the gorgeous University of Oregon campus. Eugene is a wonderful small city with an excellent quality of life that affords abundant outdoor opportunities in the nearby Cascade mountains and Oregon coast.

Review of applications will begin immediately and continue until the position is filled. Interested candidates should submit an electronic version of their CV along with a cover letter describing their qualifications and relevant experience to Andrew Kern (adkern@uoregon.edu) and Peter Ralph (plr@uoregon.edu). Persons with identities historically excluded from science and/or population genomics are particularly encouraged to apply. Inquiries welcome: please write if you have questions about the job or the qualifications.

Andrew Kern <adkern@uoregon.edu>

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UVirginia DiseaseNetworks

RESEARCH ASSOCIATE IN BIOLOGY

The Department of Biology at the University of Virginia invites applications for a postdoctoral position under the mentorship of Prof. Nicholas Landry. This interdisciplinary position is well-suited for an evolutionary biologist with expertise in mathematical modeling of evolutionary processes, network science (phylogenetic trees, population-level interactions, etc.), and programming in Python or a similar language.

The successful candidate will collaborate with faculty in the Department of Biology and also work closely with

researchers at the Biocomplexity Institute, the Quantitative Collaborative, and the School of Data Science at UVA.

The successful candidate will study the spread of contagion on networks through the following focus areas:

* Developing mathematical models that simulate the spread of diseases, behaviors, or ideas within biological and social networks, particularly those mediated by group interactions.

* Reconstructing networks from incomplete or noisy data.

* Exploring the role of group structure in the spread of diseases and information.

* Contributing to the development of open-source Python tools that will support research in contagion and network science.

The successful candidate will have the flexibility to pursue independent research questions within this broad framework, allowing for significant intellectual freedom.

The deadline is October 15th and please apply at https://jobs.virginia.edu/us/en/job/R0064538/-Research-Associate-in-Biology .For more information on the Landry Lab at UVA, please visit https://-landry-lab.github.io/ . "Landry, Nicholas (yyu8dx)" <nicholas.landry@virginia.edu>

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VirginiaInstMarineScience MacroalgalEvolutionary

Chuck Amsler and Stacy Krueger-Hadfield are seeking a postdoctoral scholar for up to 24 months funded by a National Science Foundation award from the Antarctic Organisms and Ecosystems program. The start date of 1 March 2025 is somewhat flexible. The position will be based in the Amsler lab at UAB but, after a brief stay in Birmingham for university on boarding, the scholar will spend the first three to five months in the Algal Evolutionary Ecology (AlgEE) lab at VIMS ESL. Housing at VIMS ESL will be provided by the NSF award.

Applications should include a cover letter outlining the candidate's background and motivation for this position, along with a CV. Please e-mail applications to both

Drs. Amsler (amsler@uab.edu) and Krueger-Hadfield (sakh@vims.edu). Review of applications will begin 1 October 2024 and continue until the position is filled.

Primary Duties and Responsibilities

Generate single gene barcoding data for 30 species of macroalgae found along the Western Antarctic Peninsula (WAP), including greens, browns, and reds Genotype five focal species of brown and red macroalgae to describe the reproductive system Develop expertise in macroalgal evolutionary ecology and contribute new knowledge and ideas to this area of research Develop and apply bioinformatic tools and approaches to characterize reproductive system variation and patterns of historical and contemporary gene flow along the WAP Contribute to written and oral communication, including peer-reviewed manuscripts, blog posts, outreach through social media, and the public Build and maintain databases Participate in student mentoring Perform other duties as assigned

Minimum Qualifications A Ph.D. from an accredited college or university in coastal or marine sciences or similar field, with a background in population genetics.

Knowledge, Skills & Abilities

Experience in population genetic approaches - from the bench to the computer Proficiency in laboratory practice, experimental design, safety procedures Excellent written and oral communication skills and ability and interest in communicating with diverse groups Ability to write reports, correspondence, and peer-reviewed manuscripts Ability and interest in contributing to outreach activities, including those at VIMS ESL Ability to contribute to a positive work environment

Preferred Qualifications

Experience in phycology, evolutionary ecology, or both Bioinformatic experience Proficiency in R

Stacy A. Krueger-Hadfield, PhD Virginia Institute of Marine Science Associate Professor, William & Mary's Batten School of Coastal & Marine Science Assistant Director,Eastern Shore Laboratory PO Box 350 |Wachapreague, VA | 23480 757.787.8105 sakh@vims.edu

@quooddy|www.quooddy.com   Communications Director| Phycological Society of America

"Stacy A. Krueger-Hadfield" <sakh@vims.edu>

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comprised of Washington University, the Missouri Botanical Garden and the Saint Louis Zoo, and the Washington University McDonnell Genome Institute (https://genome.wustl.edu/) are partnering to advance the use of genomics for biodiversity research and conservation. As part of this collaboration, we seek to hire a postdoctoral fellow with a proven track record utilizing genomic and computational tools in biodiversity research and conservation.

The Postdoctoral fellow will play an important role in developing a portfolio of genomic projects from principal investigators at the LEC partner institutions on diverse topics, which may include ecology, conservation, conservation veterinary medicine, environmental justice, behavior, evolution and One Health. The fellow is expected to be an integral part of the Living Earth Collaborative participating in and organizing events and interacting with the diverse LEC and MGI communities. The fellowship will be up to three years. Salary will be $61,428 plus benefits.

Location St. Louis, MO

Application Instructions Applicants should submit, as a single file, a cover letter, a CV, and a description of previous research, conservation, and professional accomplishments (ca. 2-3 pages). Postdocs are expected to be based in Saint Louis and must have been awarded a PhD, DVM or comparable degree by the beginning of their appointment. International applicants are encouraged.

Documents should be uploaded to https://jobs.wustl.edu/ specifying Job Requisition JR69499. Applicants should also have three letters of recommendation sent to livingearth@wustl.edu. Review of applications will begin on November 1st and continue until the position is filled.

Washington University is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity or expression, national origin, genetic information, disability, or protected veteran status.

Questions should be directed to: livingearth@wustl.edu

Living Earth Collaborative E: livingearth@wustl.edu W: https://livingearthcollaborative.wustl.edu/ Living Earth Collaborative <livingearth@wustl.edu>

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WashingtonU GenomicsBiodiversity

The Living Earth Collaborative (https://

WorkshopsCourses

Cesky CzechRepublic PopGenomics Jan19-Feb1

2025 Workshop on Population and Speciation Genomics, ÃÂeskÃÂ½ Krumlov, Czech Republic

Dates: 19 January - 1 February 2025

Application deadline: 13 September 2024

The application deadline is approaching for the 2025 Workshop on Population and Speciation Genomics!

This Workshop brings together an international collection of faculty members and Workshop participants to study and discuss current ideas and techniques for the analysis of genomic data on the level of populations and closely related species. The Workshop consists of a series of lectures, demonstrations and computer laboratories that cover theory and practice of population and speciation genomics analyses.

2025 topics: Unix, R, Likelihood and Probability, Molecular Population Genomics, Mutation and Recombination, Coalescent Theory and Introgression, Structural Variation, Pangenomics, Machine Learning, Experimental Design, Hybridization, Selection and Adaptation, Simulation, Conservation Genomics, Genetic Load, Ancient Genomics

2025 Faculty: Matthew Hahn, Vitor Sousa, Alex Suh, Valentina Peona, Andrew Kern, Joana Meier, Katie Peichel, Magdalena BohutÃÂ'nskÃÂ, Georgia Tsambos, Martin Petr, Michael Hofreiter, Michael Westbury

Registration Fee: $1950 USD. Fee includes the opening reception and access to all course material, but does not include other meals or housing. Special discounted pricing has been arranged for hotels, pensions and hostels.

APPLY HERE: http://evomics.org/registration-form/-apply-2025-workshop-on-genomics-cesky-krumlov/ Workshop Schedule: http://evomics.org/workshops/-workshop-on-population-and-speciation-genomics/-2025-workshop-on-population-and-speciation-genomics-cesky-krumlov/ Our paper about the Workshop on Population and Speciation Genomics in BMC Evolution: Education and Outreach: https://-doi.org/10.1186/s12052-023-00182-w Frequently Asked Questions (FAQ) about the Workshop and ÃÂeskÃÂ½ Krumlov: http://evomics.org/workshops/faq/ Workshop Team: Julia M.I. Barth, Scott Handley, Milan Malinsky, Michael Matschiner, Walter Salzburger, Jan Stefka, Emiliano Trucchi

Michael Matschiner <michaelmatschiner@mac.com>

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CzechRepublic Genomics Jan5-18

Hello EvolDir Community!

A reminder that the deadline to apply for the 2025 Workshop on Genomics (see below) is in two weeks time (18th September).

PHILOSOPHY Our philosophy is to train participants in the most relevant topics in genomics, in a vibrant, immersive and inclusive environment. The Workshop on Genomics was developed in response to the increasing demand for training on how to effectively analyse and manage data generated by modern sequencing technologies. The Workshop curriculum includes extensive coverage of fundamental techniques required of all studies utilising modern sequencing data. This is the 14th time the Workshop on Genomics will be held in the Czech Republic.

APPLICATION The Workshop on Genomics 2025 is now open for Applications! Deadline is 18th September 2024. https://evomics.org/registration-form/apply-2025-workshop-on-genomics-cesky-krumlov/ DATES The workshop will be held from the 5 - 18th January, 2025 in Cesky Krumlov, Czech Republic. The workshop runs daily from 9 to 22 for two weeks, with Sunday kept free for town activities.

PROGRAM The 2025 program can be found here: https://evomics.org/2025-workshop-on-genomics/ and includes all things genomics, from UNIX and R, genome assembly and annotation, SNP and SV calling, pangenomics, population genomics, transcriptomics and RNAseq gene expression analysis, comparative genomics, microbiome analysis, transposable element analysis and BIG data.

WHO WE ARE Organisers: we are a friendly and approachable group of scientists working in diverse fields of genomics. Every year we gather a group of experts in genomics from across the world to come and teach genomics in the beautiful Czech Republic.

Our workshop team this year includes: Mike Zody (New York Genome Centre), Guy Leonard (University of Oxford), Mercï¿$\frac{1}{2}$ Montoliu Nerï¿$\frac{1}{2}$n (Uppsala University), Rayan Chikhi (Institut Pasteur), Camille Marchet (University of Lille), Antoine Limasset (University of Lille), Katharina Hoff (University of Greifsald), Fritz Sedlazeck (Baylor College of Medicine), Erik Garrison (University of Tennessee), Chris Wheat (Stockholm University), Evan Eichler (University of Washington), Vincenza Colonna (IGB-CNR, Naples / University of Tennessee), Brian Haas (Broad Institute), Rachel Steward (Lund University), Sonya Dyhrman (Columbia University), Francesco Cicconardi (University of Bristol), David Barnett (Maasricht University), Marcela Uliano-Silva (Wellcome Sanger Institute), Valentina Peona (Swedish Natural Museum / Swiss Vogelwarte, and Dag Ahrï¿$\frac{1}{2}$n (Lund University).

COST The Workshop registration fee is \$1,950. Note that this amount does not cover travel, lodging or boarding. Please note that we also have Equal Opportunities funding available for participants travelling from low / middle-low income countries. Please see https://evomics.org/bursaries/ for more information.

FAQs https://evomics.org/workshops/faq/ Any further questions or queries should be directed to evomics.workshops@gmail.com

The Workshop on Genomics 2025 Team :)

Josephine Paris Rayan Chikhi Joan Ferrer Obiol Guy Leonard Mercï¿$\frac{1}{2}$ Montoliu Nerï¿$\frac{1}{2}$n Daniel Kintzl Scott Handley

evomics workshops <evomics.workshops@gmail.com>

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HCMR Crete ComputMolEvolution May11-22

Dear Community,

We are very happy to announce that the 15th summer school on Computational Molecular Evolution funded by EMBO Practical Courses and organized by Ziheng Yang, Alexis Stamatakis, Adam Leaché, and me, will take place from May 11th - 22nd 2025 in HCMR Crete, Greece!

Please visit the course web-site for further details: https://meetings.embo.org/event/25-comp-mol-evolution Applications for our summer school are now open and will close on November 1st 2024.

Please feel free to circulate this message.

Aglaia (Cilia) Antoniou

Dr. Antoniou Aglaia (Cilia) Institute of Marine Biology, Biotechnology and Aquaculture (IMBBC) Hellenic

Centre for Marine Research (HCMR) Gournes Pediados, P.O.Box 2214, 71003, Iraklio, Crete, Greece Tel.: +30 2810 337826 Fax: +30 2810 337820

Cilia Antoniou <antoniou@hcmr.gr>

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MNHN Paris TaxonomySponges Dec2-13

Dear Colleagues

The Museum of Paris (MNHN) is organizing a 2-weeks Training Course on the Taxonomy of Tropical Deep-Sea Sponge from December 2 nd to December 13 th , 2024 . Targeted audience are students, researchers, collection managers, and all professionals involved in the field of biology, whatever their disciplines and levels (beginners, advanced, experts).

The goal of the workshop is to bring together professional taxonomists and students (in the broad sense) around samples recently collected during the Tropical Deep-Sea Benthos Program and deposited in the MNHN collections to transmit taxonomic knowledge while speeding up digitization of natural collections.

During 10 days, we will sort specimens to the lowest taxonomic level possible and use best practices to taxa identification and data collection management, preservation, and traceability. In addition, there will be courses on Porifera taxonomy, evolutionary genetics, and deep-sea ecology.

Further details are provided on the website of the DEST-CETAF: [https://cetaf.org/dest/upcoming-courses/- | Upcoming courses - DEST (Distributed European School of Taxonomy) (cetaf.org)]

Registration is free but necessary to anticipate coffee breaks and discussions. Don't forget to register by sending an email to: [magalie.castelin@mnhn.fr]

Thank you for relaying widely this information within your laboratories.

Kind regards, Magalie.

Magalie Castelin

MNHN - PhD Curator of Cnidaria Sc. Coord. TET-TRiS EJT Topical editor - Zoology

UMR 7205 - Institut de Systï¿½matique, ï¿½volution,

Biodiversitï¿½ (ISyEB) Equipe Exploration, Espï¿½ces et Evolution (3E) 55 rue Buffon, CP51 (2eme ï¿½tage) 75005 Paris, France

Loan/visit request: http://colhelper.mnhn.fr/ Access to MNHN database: https://www.mnhn.fr/en/-collections Access to cruises and expeditions: http://-expeditions.mnhn.fr/

Tï¿½l : +33 (0)1 40 79 31 65

Magalie Castelin <magalie.castelin@mnhn.fr>

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Montpellier PesticideEffects Apr2-3

We are launching a call for participation in the following meeting in Montpellier on 2-3-4April 2025, with the aim of developing an international network.

The ENI BC+ Network

Non-target effects of alternatives to pesticides: an interdisciplinary meeting

Who we are? The French network ENI-BC+(Effets Non-Intentionnels des BioContrôles) brings together a community of scientists from a wide range of disciplines, from the biological sciences to the humanities. The aim is to use the same criteria to assess the effects generated by all the techniques and practices used to protect crops and livestock, and to manage vector-borne diseases. Revealing and comparing non-target effects in all their diversity is necessary to guide the choice of solutions in a variety of contexts and territories. This will also enable us to identify sustainability criteria, essential for guiding changes in agricultural practices.

Why are we organizing a meeting?To form an interdisciplinary and international network to co-construct research questions on non-target effects of alternatives to pesticides.

Why get involved?We're looking for participants who want to develop new collaborations, contribute to collective synthesis reviews, or set up interdisciplinary projects. The meeting will alternate the sharing of original results, mini-reviews and case studies with workshops covering as wide a range of approaches as possible. For inspiration (non-exhaustive lists):

Diversity of approaches: environmental sciences, management sciences, biology, linguistics, sociology, healths,

economics, geography, history, chemistry, psychology, ecotoxicology, information-communication, ecology, ...

Examples of themes: assessment of ecosystem services, representation of non-target effects in media/scientific communications, biological adaptations in pests, One Health, power challenges, struggles for/obstacles to recognition of non-target effects, regulatory issues, historical or territorial insights, etc.

How to apply?As the number of participants is limited to 100, applications will be selected by a scientific committee in order to best represent all disciplinary fields and the diversity of perspectives around these issues.Please fill in the application form.

Simon Fellous <simon.fellous@inrae.fr>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Namibia CheetahConservation Jan5-15 Deadline

DEADLINE APPROACHING: CONGEN2025, the Cheetah Conservation Fund Research Center, Namibia

REGULAR APPLICATION IS OPEN UNTIL SEPTEMBER 15, 2024

ConGen GLOBAL is offering a new ConGen course: the 2025 Recent Advances in Conservation Genetics course (CONGEN2025), which will be held at the Cheetah Conservation Fund Research Center, Namibia, from January 5-15, 2025.

Application is free until September 15th, 2024: you will not need to pay the registration fee before receiving the acceptance letter.

Please fill out this form (https://conservationgenetics.org/congen2025/congen2025-application/) to be considered as one of the participants for the course.

The comprehensive registration fee of $2,750 includes tuition, and 10 days of inclusive accommodation, meals, and course-related transportation in Namibia. Participants are responsible for their travel arrangements to Namibia.

CONGEN2025 is an immersive course that will accommodate 25-30 students. It is open to applicants from any part of the world, but prioritizing acceptance for the participants from African nations, and will feature 15-20 distinguished faculty members from across the globe. It aims to delve into the latest methodologies, interpretations, and practical applications of genetic and genomic analyses in the conservation of endangered species. Our faculty will impart their knowledge on cutting-edge technologies, research methodologies, and the practical application of population-based studies in conservation efforts.

To receive full consideration, applications must be submitted before September 15, 2024.

Application for ConGen2025 acceptance is a competitive process: the committee will evaluate your application and will mail you an acceptance letter if you are qualified. Successful applicants will be notified of the committee's decision by September 20, 2024.

They will have until October 1, 2024, to pay a registration deposit of $1,375, or forfeit their placement to the next person on the waiting list.

The full registration fee of $2,750 must be paid by October 15, 2024.

If the registration fee is not paid on time, your place will be offered to the next applicant on the waiting list.

Accommodations will be provided at the CCF Educational Lightfoot Camp near Otjiwarongo, Namibia, offering an authentic African experience. The camp features basic but comfortable huts with essential amenities. Shared facilities include wash stations with open-air showers and a communal kitchenette. A picnic and fire area is available for relaxation and socializing. Additional accommodations may include dormitories or rondavels.

The course is organized by esteemed professionals, including local hosts Dr. Laurie Marker and Dr. Anne Schmidt-Küntzel of the Cheetah Conservation Fund, Namibia, and members of the ConGen Organization Committee from various prestigious institutions worldwide. The ConGen Organization Committee members are Stephen J. O'Brien (NOVA Southeastern University, FL, USA, chair), Taras K. Oleksyk (Oakland University, MI, USA), Emma Teeling (University College Dublin, Ireland), Eduardo Eizirik (PUCRS, Brazil), Laurie Marker (CEO Cheetah Conservation Fund, Namibia), Cindy Harper (University of Pretoria Veterinary College, South Africa), Laurie Goodman (Executive Editor, GigaScience), and Klaus-Peter Koepfli (Smithsonian-Mason School of Conservation, George Mason University, USA).

The CONGEN2025 course, now in its 29th year, continues to evolve, highlighting the latest advancements in conservation genetics and genomics. The curriculum includes plenary lectures, hands-on tutorials, and practi-

cal applications, addressing a wide range of topics from study design to the integration of AI in conservation genomic data analysis. For more information and examples of past course schedules, please visit our website: www.conservationgenetics.org/congen2025 . Tarás K. Oléksyk, Ph.D.

Co-Chair, Executive Committee ConGen GLOBAL

Associate Professor Department of Biological Sciences Oakland University Dodge Hall, Rm. #367 118 Library Dr Rochester, MI 48309-4479 office: +1 (248) 370-3359 fax: (248) 370-4225 oleksyk@oakland.edu https://-oakland.edu/biology/directory/oleksyk Taras Oleksyk <oleksyk@oakland.edu>

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Online AdvancedRPrgramming Sep16-19

Dear all,

We have just 3 seats remaining for our upcoming online course "Beyond Beginner R: Advancing Your Coding Skills", taking place from 16-19 September:

Course website: (https://www.physalia-courses.org/-courses-workshops/course47/)

This hands-on course is designed for those with basic R knowledge who are looking to enhance their skills. You'll work through practical examples with plenty of support and gain confidence in tackling more complex programming challenges. By the end, you'll be able to create high-quality reports, figures, and interactive dashboards.

Program Highlights: Foundations of R programming and functional programming principles Mastering Tidyverse for efficient data handling Creating professional-quality figures and tables Building interactive dashboards with Shiny Collaborative coding using GitHub Time: 2-8 pm Berlin time each day

If you're interested, act fast spaces are limited to just 3!

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 DeepLearning Sep30-Oct4

Dear all,

We're excited to announce that only a few seats remain for our upcoming online course, Introduction to Deep Learning for Biologists, scheduled from September 30 to October 4.

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

This course will introduce the theoretical framework and practical skills needed to develop deep learning models for biological data. You'll learn how to apply Convolutional Neural Network (CNN) architectures to real-world data classification, regression, and image segmentation problems. We'll also cover essential topics like measuring prediction performance, cross-validation, and avoiding overfitting.

The course is structured over five days, with a combination of lectures and hands-on sessions. Each day will feature interactive discussions and collaborative exercises where you can apply the skills you've learned. You'll also have the opportunity to interpret and discuss your results with instructors and peers.

This course is perfect for students, researchers, and professionals interested in deep learning applications in biology. Whether you're a beginner or have some experience with deep learning, this course will provide valuable insights. A basic understanding of Python is helpful but not required.

By the end of the course, you will have gained a solid understanding of: The foundational concepts and architecture of deep learning models. How to frame biological problems for deep learning applications. Techniques for building, evaluating, and optimizing deep learning models. Best practices for working with real-world biological data.

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

course67/)

Best regards, Carlo

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Online GenomeApplications Sep30-Oct1

Announcing the upcoming Genome Applications Symposium, which will be held on September 30 and October 1, 2024, organised by the European Reference Genome Atlas (ERGA) and the Biodiversity Genomics Europe (BGE) project.

This two-day online event promises to be an enriching experience, bringing together leading experts and enthusiasts in the field of biodiversity genomics and promoting knowledge exchange.

Focusing on the development of genome applications for the protection of biodiversity and stakeholder engagement, this symposium will provide opportunities for interdisciplinary interactions from basic to evolutionary and applied science.

You can find all the event details and the programme here: https://www.erga-biodiversity.eu/post/-genome-applications-symposium Robert M. Waterhouse www.rmwaterhouse.org +41216924049 Director, Environmental Bioinformatics Group SIB Swiss Institute of Bioinformatics

Robert Waterhouse <robert.waterhouse@gmail.com>

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Online GenomeAssemblyAndAnnotation Nov4-6

ONLINE COURSE - Genome Assembly and Annotation (GAAA01)

https://www.prstats.org/course/genome-assembly-and-annotation-gaaa01/ 4th - 6th November 2024

Please feel free to share!

COURSE OVERVIEW - Genome assembly is the process of piecing together fragments of DNA to reconstruct the original genome. The genome provides crucial information for understanding genetic structure, function and variation.

In recent years, long-read sequencing technologies have revolutionized genome assembly. These long reads can span repetitive sequences and structural variations making genome assembly simpler but also reducing gaps and fragments in the genome, resolve repeats, help with the detection of structural variation as well as improved haplotype phasing.

During this course we will look at data generated using PacBio and Oxford Nanopore, discuss the pros and cons of both sequencing technologies and the effect they might have on genome assembly. During the course we will look at different tools available to generate assemblies, focussing on de novo genome assembly. Polishing using short or long reads and the introduction of Hi-C sequencing can increase completeness of the genomes. At the difference steps during the assembly process we will look at the contiguity, completeness and correctness of the generated genomes, thereby evaluation the status of the genome.

Once a genome has been assembled the next step is annotation. Genome annotation involves identifying and mapping locations of genes and other functional elements within the sequenced genome. We will take a look at the differences between prokaryote and eukaryote genomes and the tools available for annotation. We will talk about steps to improve annotation once the automatic annotation has been made.

By the end of the course, participants should:

Know the difference between Nanopore and PacBio data Be able to assembly genomes Be able to assess the generated genomes Assemble genomes integrating Hi-C data

Know how to annotate a genome Please email oliver-hooker@prstatistics.com with any questions.

Best wishes,

Oliver

Oliver Hooker PhD. PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online GenomeAssemblyPacbio Nov4-8

Dear all,

We are excited to announce that our upcoming Eukaryotic Genome Assembly Using PacBio and Hi-C course, scheduled for 4-8 November, has only a few seats remaining!

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

This course offers a deep dive into state-of-the-art methods for assembling eukaryotic genomes, which are often composed of complex repeats. With technologies like PacBio HiFi, which provides both contiguity and base accuracy, and Hi-C scaffolding, participants will learn to assemble genomes with unprecedented precision. Over five days, you'll gain both theoretical knowledge and hands-on experience, from working with raw sequencing data to producing fully assembled genomes. We will guide you through: Manipulating and analyzing raw reads Running assembly and scaffolding algorithms Assessing the quality of your final assemblies

This course is designed for researchers of all levels who are eager to learn the theory and practice of de novo eukaryotic genome assembly using PacBio long reads and Hi-C data. Whether you're a beginner or an experienced user, you'll find valuable insights throughout the course.

Learning Outcomes: Master PacBio HiFi and Hi-C data for de novo assembly Understand key concepts of genome assembly Gain practical experience with cutting-edge tools 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 IntroCRISPR Oct14-18

Dear all,

We are excited to announce our upcoming online course: Introduction to CRISPR for Ecology and Evolution Studies, running from 14-18 October. This course is perfect for anyone interested in applying CRISPR-Cas9 technology to evolutionary biology and ecology projects.

Course website: (https://www.physalia-courses.org/-courses-workshops/course53/)

Course Highlights: Learn to design and perform CRISPR gene knockout experiments. Explore real-world applications of CRISPR for non-model species. Hands-on sessions for guide RNA (gRNA) design, data analysis, and genotyping methods. Flexible schedule with live lectures, practical exercises, and one-on-one project discussions. Target Audience: The course is ideal for students, researchers, and technicians with a background in genetics and molecular biology, particularly those working in ecology and evolution.

Learning Outcomes: Master CRISPR-Cas9 genome-editing fundamentals. Design and execute reliable CRISPR experiments. Analyze and interpret results from CRISPR-induced mutations.

For the full list of our courses and workshops, please do not hesitate to contact us: (https://www.physalia-courses.org/courses-workshops/course53/)

Don't miss this opportunity to deepen your understanding of CRISPR technology in evolutionary research! Spaces are limited-register now!

Best regards,

Carlo

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Online IntroductionToNextflow Oct7-9

Hi everyone,

We want to let you know that there are still 4 seats available for our 3-day course on Nextflow!

Dates: (online) 7-9 October 2024

Feel free to share this opportunity with anyone looking to quickly become proficient in Nextflow technology, covering everything from basic to advanced concepts.

If interested, please check it out: (https://-/www.physalia-courses.org/courses-workshops/-course60/)

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course60/)

Best regards,

Carlo

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Online IntroPhylogenomics Nov4-18

Dear colleagues,

I am excited to inform you that we have a new edition of the Transmitting Science Phylogenomics course: Introduction to Phylogenomics (3rd edition).

Online live sessions on November 4th, 6th, 8th, 11th, 13th, 15th, and 18th, 2024; from 18:00 to 21:00 (Madrid time zone).

Instructors: Dr. Jeremy M Brown [1](Louisiana State University, USA) and Dr. Robert Thomson [2] (University of Hawaii, USA)

Course overview:

This course will introduce participants to the theory and tools for phylogenetic inference in the era of genome sequencing. Course material will focus on statistical methods for phylogeny estimation, software implementing these methods, applications of these methods to large molecular datasets, and discuss trade-offs and tools for improving the accuracy of phylogenomic analyses. In hands-on practical sessions, participants will gain experience working with bioinformatic and statistical tools for analyzing large datasets.

The course is intended to facilitate ongoing or planned phylogenomics projects by students, so they are encouraged to notify instructors in advance about the topics of greatest relevance to their own work.

Example software: RevBayes, IQTree, SVDQuartets, ASTRAL, TreeScaper

Places are limited to 18 participants.

More information and registrations: https://-www.transmittingscience.com/courses/evolution/-introduction-to-phylogenomics/ With best regards

Sole

Soledad De Esteban-Trivigno, PhD Director Transmitting Science www.transmittingscience.com Twitter @SoleDeEsteban Orcid: https://orcid.org/0000-0002-2049-0890 Under the provisions of current regulations on the protection of personal data, Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that personal data and email address, collected from the data subject will be used by TRANSMITTING SCIENCE SL to manage communications through email and properly manage the professional relationship with you. The data are obtained based on a contractual relationship or the legitimate interest of the Responsible, likewise the data will be kept as long as there is a mutual interest for it. The data will not be communicated to third parties, except for legal obligations. We inform you that you can request detailed information on the processing as well as exercise your rights of access, rectification, portability and deletion of your data and those of limitation and opposition to its treatment by contacting Calle Gardenia, 2 Urb. Can Claramunt de Piera CP: 08784 (Barcelona) or sending an email to info@transmittingscience.com or http://transmittingscience.com/additional-terms. If you consider that the processing does not comply with current legislation, you can complain with the supervisory authority at www. aepd.es . Confidentiality. - The content of this communication, as well as that of all the attached documentation, is confidential and is addressed

to the addressee. If you are not the recipient, we request that you indicate this to us and do not communicate its contents to third parties, proceeding to its destruction.

Disclaimer of liability. - The sending of this communication does not imply any obligation on the part of the sender to control the absence of viruses, worms, Trojan horses and/or any other harmful computer program, and it corresponds to the recipient to have the necessary hardware and software tools to guarantee both the security of its information system and the detection and elimination of harmful computer programs. TRANSMITTING SCIENCE SL shall not be liable.

Links:

[1] https://www.transmittingscience.com/-instructors/jeremy-m-brown/ [2] https://-www.transmittingscience.com/instructors/-robert-thomson/ Soledad De Esteban-Trivigno <soledad.esteban@transmittingscience.com>

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Online Metabarcoding 2Places Oct7-10

Can you please repost letting people know we onl;y have 2early bird places left for our new course on Metabarcoding and Metagenomics, if you would be kind enough to post the followingto thecourses and workshop page of Evoldir please, Thank you, Oliver

ONLINE COURSE - Introduction to Metabarcoding and Metagenomics Analysis (IMAM01)

ONLY 2 X EARLY BIRD PLACES LEFT PR stats have added 10 early birdplaceswith 10% off reducing fees to 432.00. The first 10 tickets are first come first serve basis when you book via our website*

https://www.prstats.org/course/introduction-to-metabarcoding-and-metagenomics-analysis-imam01/ Instructor- Edinburgh Genomics

7th - 10th October 2024

Please feel free to share!

COURSE OVERVIEW-Metabarcoding and metagenomics study genetic material recovered from environmental samples. Both methods provide a comprehensive view of microbial communities which are present in various ecosystems. The ability to identify organisms from traces of genetic material in environmental samples has reshaped the way we see life on earth. Especially for microorganisms, metagenomic techniques have granted us unprecedented insight into the microbiome of animals and the environment more broadly

Metabarcoding and metagenomics are both methods to study the composition of these complex communities. Where metabarcoding focusses on looking at a single or a combination of marker genes, metagenomics looks into everything within a community.

During this course we will look at the differences and similarities between these two methods. We explain how to process the data using both short and long reads data, we take a look at the pros and cons and some of the pitfalls. We will guide you through the different approaches to take when processing the data and walk you through using some of the tools which are considered to be golden standard in the field. You will have hands on experience processing real data.

By the end of the course, participants should:

Understand the basic concepts behind metabarcoding and metagenomics Work with both short and long read data for both metabarcoding and metagenomics Be able to use Qiime2 and NanoClust for analysis of metabarcoding Know different methods (metaphlan, humann) for marker based taxonomic and functional annotation of metagenomics data Create and annotated metagenome assembled genomes (using megahit, checkm, gtdb-tk) Be able to annotated antibiotic resistance genes in metagenomics data

Please emiloliverhooker@prstatistics.comwith any questions.

A full list of our live courses can be found here

Best wishes,

Oliver

Oliver Hooker PhD. PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online MetabolomicsWithR Oct7-10

Dear all,

We are pleased to announce the Metabolomics with R/Bioconductor online course, taking place from 7-10 October.

Course website: (https://www.physalia-courses.org/-courses-workshops/course55/)

This course is designed to provide participants with a solid foundation in metabolomics (targeted and untargeted) from a data analyst's perspective, covering essential aspects from study design to data analysis using R/Bioconductor.

Key topics include: Study/analytical design Data preprocessing Statistical analysis (univariate and multivariate)

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course55/)

Best regards, Carlo

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Online MLforComputationalBiol Sep16-20

Hi everyone

Last chance to register for the upcoming courses on Machine Learning for Computational Biology for R and Python, running Sept 16, and Analysis of DNA Methylation using R and Bash, running Sept 18 - 20.

https://instats.org/seminar/machine-learning-for-computational-biolo2 https://instats.org/seminar/-analysis-of-dna-methylation2 These courses provide the foundational knowledge needed to begin analyz-ing complex datasets across biostatistics, genetics, bioinformatics, ecology, and more. For the veterinary epidemiology community, the Machine Learning for Computational Biology course will provide unique insights into how to understand and analyze advanced computational methods to analyze large datasets, improving disease modeling and prediction in animal populations. The Analysis of DNA Methylation course offers valuable tools for understanding epigenetic factors in animal health, potentially enhancing research in areas like disease susceptibility and treatment response.

Sign up today to secure your spots in these workshops and we hope to see you there!

Best wishes

Michael Zyphur Director Institute for Statistical and Data Science instats.org

mzyphur@instats.org

(to subscribe/unsubscribe the EvolDir send mail to golding@mcmaster.ca)

Online NGSDataAnalysis Oct21-25

Dear all,

We are excited to announce the Autumn School in Bioinformatics (Online), taking place from 21-25 October.

Course website: (https://www.physalia-courses.org/-courses-workshops/course68/)

This course focuses on understanding and working with Next Generation Sequencing (NGS) data, including quality assessment, genome assembly, RNAseq, differential gene expression, phylogenomics and more. The course includes hands-on sessions using Illumina, Nanopore, and PacBio data. Participants will also learn how to make their analysis workflows fully reproducible using Docker and pipeline workflow managers.

Only 5 seats available!

For the full list of our courses and workshops, please visit: (https://www.physalia-courses.org/courses-workshops/-course68/)

Best regards, Carlo

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"info@physalia-courses.org" <info@physalia-courses.org>

Online SeascapeGenomics Oct28-Nov1

Dear all,

there are only 4 seats left for the online SEASCAPE GENOMICS IN R course, taking place from 28 October to 1 November.

Course website: (https://www.physalia-courses.org/-courses-workshops/course70/)

This course offers hands-on training in extracting environmental data from public databases, performing genomic analyses, and combining both data types to study local adaptation in marine organisms. Topics include the use of remote sensing data, genetic structure assessment, population connectivity, and the application of these insights in conservation and management.

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

Should you have any questions, please feel free to contact us.

Best regards, Carlo

Carlo Pecoraro, Ph.D Physalia-courses DIRECTOR info@physalia-courses.org mobile: +49 17645230846

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Online Vegan Sep23-27

ONLINE COURSE - Multivariate Analysis Of Ecological Communities Using R With The VEGAN package (VGNR06)

https://www.prstats.org/course/multivariate-analysis-of-ecological-communities-using-r-with-the-vegan-package-vgnr06/   NEW DATES!!!23-27th September

2024

Please feel free to share!

This 5-day course will cover R concepts, methods, and tools that can be used to analyze community ecology data. The course will review data processing techniques relevant to multivariate data sets. We will cover diversity indices, distance measures and distance-based multivariate methods, clustering, classification and ordination techniques using the R package VEGAN. We will use real-world empirical data sets to motivate analyses, such as describing patterns along gradients of environmental or anthropogenic disturbances, quantifying the effects of continuous and discrete predictors. We will emphasise visualisation and reproducible workflows as well as good programming practices. The modules will consist of introductory lectures, guided computer coding, and participant exercises. The course is intended for intermediate users of R who are interested in community ecology, particularly in the areas of terrestrial and wetland ecology, microbial ecology, and natural resource management. You are strongly encouraged to use your own data sets (they should be clean and already structured, see the document: "recommendation if you participate with your data".

Please emailoliverhooker@prstatistics.comwith any questions

Upcomingcourses

ONLINE COURSE - Reproducible and collaborative data analysis with R (RACR03) This course will be delivered live

ONLINE COURSE - Multivariate Analysis Of Ecological Communities Using R With The VEGAN package (VGNR06) This course will be delivered live

ONLINE COURSE - Hidden Markov Models for movement, acceleration and other ecological data - an introduction using moveHMM and momentuHMM in R (HMMM01) This course will be delivered live

ONLINE COURSE - Time Series Analysis and Forecasting using R and Rstudio (TSAF01) This course will be delivered live

ONLINE COURSE - Remote sensing data analysis and coding in R for ecology (RSDA01) This course will be delivered live

ONLINE COURSE - Introduction to Metabarcoding and Metagenomics Analysis (IMAM01) This course will be delivered live

ONLINE COURSE - Bioacoustics Data Analysis using R and Studio (BIAC04) This course will be delivered live

ONLINE COURSE - Metabarcoding Pipelines for Eukariotic Communities (MPEC01) This course will be delivered live

ONLINE COURSE - Genome Assembly and Annotation (GAAA01) This course will be delivered live

IN PERSON COURSE - Hierarchical modelling in ecology (HMIE01) (Université de Sherbrooke, Canada)

ONLINE COURSE - Introduction to Machine Learning using R and Rstudio (IMLR02) This course will be delivered live

ONLINE COURSE - Introduction to Single Cell Analysis (ISCA01) This course will be delivered live

ONLINE COURSE - Using Google Earth Engine in Ecological Studies (GEEE01) This course will be delivered live

ONLINE COURSE - Species Distribution Modelling With Bayesian Statistics Using R (SDMB06) This course will be delivered live

Best wishes,

Oliver

Oliver Hooker PhD. PR stats

Oliver Hooker <oliverhooker@prstatistics.com>

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Poland LandscapeGenomics Jan20-24

Dear all,

we are extremely happy to inform you that we will run our Landscape Genomics course in Poland (University of Lodz) in January (20-24 January 2025).

Location: Faculty of Biology and Environmental Protection, University of Lodz, Poland

Course website: (https://www.physalia-courses.org/courses-workshops/course17/)

This hands-on course on Landscape Genomics explores how genetic diversity is distributed across environments and how local adaptations shape these patterns. You will learn state-of-the-art methods to integrate genetic and environmental data, with training in both Geographic Information Systems (GIS) and advanced R-based statistical tools.

Key Topics Covered: How to source and process environmental data using GIS Analysis of genetic variation and population structure across landscapes Practical training in key tools like Sambada and LFMM for studying local adaptation Best practices for experimental design in landscape genomics

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

Best regards,

Carlo

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UAutonoma Madrid EvoDevoTechnologies Dec16-19

We are excited to announce the 2nd edition of the course:

"New Technologies for Developmental Evolutionary Biology Studies"

Where: Centro de Investigaciï¿½n en Biodiversidad y Cambio Global, Universidad Autï¿½noma de Madrid, Spain (CIBC-UAM)

When: 16th-19th December 2024

Language: English

Applications: September 20th to October 25th

Course website: https://sites.google.com/view/evodevo2024/home The Centro de Investigaciï¿½n en Biodiversidad y Cambio Global- Universidad Autï¿½noma de Madrid (CIBC-UAM) offers this intensive theoretical and hands-on course for advanced graduate students, postdoctoral fellows, and senior researchers who seek to stay updated on the hot topics in evolutionary developmental biology research.

For four days, internationally renowned experts will teach basic concepts and skills in evolutionary developmental biology, with a particular emphasis on the latest techniques developed for addressing these studies. Additionally, all sessions will include a practical component where students will perform data analysis and interpretation.

This course, with a strong theoretical foundation and an intense practical component, aims to update students' knowledge in evolutionary developmental biology and stimulate their creativity, expanding the range of techniques to be used in their respective research projects.

Topics covered:

* comparative transcriptomics

* single cell transcriptomics

* bulk transcriptomics

* spatial transcriptomics

* ATAC-seq technique

* phylogenomics

* comparative genomics

* gene regulation

* plastic phenotypes

* evolutionary novelties

If you have any questions, please send an email to (eco-evodevo_cibc@gmail.com)

Kind regards,

David Buckley Dpto. Biologï¿½a (Genï¿½tica) y Centro de Investigaciï¿½n en Biodiversidad y Cambio Global (CIBC-UAM) Universidad Autï¿½noma de Madrid (UAM) c/ Darwin 2, 28049-Madrid, Spain

https://www.researchgate.net/profile/David_Buckley4 https://scholar.google.com/citations?hl=en&user=-qEFTmfkAAAAJ   David   Buckley   Iglesias <david.buckley@uam.es>

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UFribourg Switzerland+Online DemographicInference Nov18-19

2024 Workshop on Demographic Inference

Dates: 17-18   November   2024   Format: Hybrid (University   of   Fribourg,   Switzerland   +   Online) Fee: Free   of   charge   Course   website: https://-gadmaworkshop.github.io/future_workshops/2024-11-18-19   We are excited to announce a workshop on demographic inference.   It is a perfect opportunity to learn how to prepare your sequencing data for demographic inference using ATLAS and to infer demographic history using GADMA. Basic knowledge of UNIX and command-line tools is required.

Registration is now open, please apply!

If you have any questions, please send email to Ekaterina Noskova (ekaterina.e.noskova@gmail.com).

Ekaterina Noskova <ekaterina.e.noskova@gmail.com>

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UPretoria SouthAfrica ConservationGenetics

Conservation Genetics and Wildlife Management Course and Workshop:

Theme: Applications of Genetics in Wildlife Management, Molecular Ecology, and Conservation Genetics.

When: December 9-15, 2024 at the University of Pretoria, South Africa. UP is one of Africa's top universities and the largest university in South Africa.

Course Objective: To train participants to understand and use population genetics principles and DNA-marker data to improve biodiversity conservation. The course will teach research approaches, monitoring, data analyses, and interpretation (RADseq, amplicon-seq, targeted capture, WGseq). The course will help bridge the gap between research and management to improve conservation (e.g., Allendorf et al. 2022, Chapter 24). This course is urgently needed and timely given the extinction crisis and the recent Kunming-Montreal Global Biodiversity Framework in which 196 parties committed to reporting the status of genetic diversity for all species wild and domestic (Mastretta-Yates et al. 2024; Hoben et al. 2024). For details on ConGen-Africa: see https://-www.umt.edu/ces/conferences/congen/africa/   Who should apply: Advanced Undergrads, M.S. & Ph.D. students, post-docs, faculty, agency researchers, and population biologists. To maximize benefits from days 3-5, attendees should have taken a course in population genetics and population ecology - or understand most of Chapters 4-10 in the book Allendorf et al. 2024). Participation on days 3-5 is limited to ~30 people to allow efficient instruction with hands-on computer exercises.

Dates and Content: Monday - Friday, Dec. 9-13, 2024. 9 am to 4 PM daily. The first two days include basic concepts (mechanisms of evolutionary change) and applications of genetics for conservation. Days 3-5 in-

clude hands-on data analysis and interpretation using microsatellites, SNPs, and next-generation sequence datasets) using popular programs like Structure, NeEstimator, GeneClass/RUBIAS, and packages in Rstudio on days 4-5.

You will learn (or review) the following including real-life examples (as in the book Allendorf et al. 2022):

1. mechanisms of evolutionary change: genetic drift, gene flow, selection, & mutation (days 1-2) 2. importance of testing for Hardy-Weinberg proportions and linkage disequilibrium (some basic knowledge of HW- and LD-testing is recommended mainly for days 3-5) 3. basic use of R (writing simple command line arguments to make graphs, and conduct statistical tests, including HW tests and PCAs for population structure assessment. We'll teach use of R and command line programs during an online Zoom lecture one week before the course. R is the most widely used software and language in statistics and biology and increasingly for population genetics (Pardis 2020; Jombart & Ahmed 2011; Kamvar et al. 2015, 2016; Kardos & Luikart 2021; Kardos et al. 2022; Hemstrom & Jones 2023; Zhang et al. 2023; Yang et al. 2023; Jenkins 2024; Bailey 2024). 4. Participants should have an advanced understanding of spoken and written English

Field trips to Kruger National Park & Mabula Hornbill Sanctuary are possible, including wildlife safari drives (TBA).

Main Instructors: Gordon Luikart, Will Hemstrom, Other local and international instructors to be announced

"Luikart, Gordon" <gordon.luikart@mso.umt.edu>

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Instructions

Instructions: To be added to the EvolDir mailing list please send an email message to Golding@McMaster.CA. At this time provide a binary six letter code that determines which messages will be mailed to you. These are listed in the same order as presented here — Conferences; Graduate Student Positions; Jobs; Other; Post-doctoral positions; WorkshopsCourses. For example to receive the listings that concern conferences and post-doctoral positions this would be 100010. Messages are categorized on the basis of their subject headings. If this subject heading is not successfully parsed, the message will be sent to me at Golding@McMaster.CA. In addition, if it originates from 'blackballed' addresses it will be sent to me at Golding@McMaster.CA. These messages will only be read and dealt with when I have time. The code 000000 has all channels turned off and hence gets only a once monthly notifcation of the availability of a monthly review pdf file.

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

To send messages to the EvolDir direct them to the email evoldir@evol.biology.McMaster.CA. Do not include encoded attachments and do not send it as Word files, as HTML files, as LaTeX files, Excel files, etc. ...plain old ASCII will work great and can be read by everyone. Add a subject header that contains the correct category "Conference:, Graduate position:, Job:, Other:, Postdoc:, Workshop:" and then the message stands a better chance of being correctly parsed. Note that the colon is mandatory.

The message will be stored until the middle of the night (local time). At a predetermined time, the collected messages will be captured and then processed by programs and filters. If the message is caught by one of the filters (e.g. a subject header is not correctly formated) the message will be send to me at Golding@McMaster.CA and processed later. In either case, please do not expect an instant response.

Afterword

This program is an attempt to automatically process a broad variety of e-mail messages. Most preformating is collapsed to save space. At the current time, many features may be incorrectly handled and some email messages may be positively mauled. Although this is being produced by LATEX do not try to embed LATEX or TEX in your message (or other formats) since my program will strip these from the message.