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Job announcements

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job announcements

Two Open Positions in Evolutionary Ecology and Ecosystem Modeling

The Appalachian Laboratory (AL) of the University of Maryland Center for Environmental Science (UMCES) invites applications for two tenure-track/tenured faculty positions at the Assistant or Associate Professor level. We are searching for highly collaborative individuals who will complement our institutional expertise in landscape and watershed ecology.

We seek an **evolutionary ecologist** who applies modern genomic and traditional genetic techniques to the study of terrestrial or aquatic ecosystems at broad spatiotemporal scales, consistent with UMCES' perspective of "genes-to-ecosystems" and "mountain-to-the-sea" research domains. Preference will be given to candidates who demonstrate experience and vision for research that integrates across levels, from the molecule to the landscape, with the objective of improving understanding of how genetic diversity within ecosystems affects and is affected by current and emerging global change processes. Potential study organisms include soil and sediment microbes, higher plants, or terrestrial and aquatic vertebrates.

We seek an **ecosystem modeler** who employs state-of-the-art data-model fusion techniques to address ecological questions and to integrate ecosystem processes across time and space. Preference will be given to those candidates who demonstrate experience in using multiple datasets to constrain landscape, ecosystem, or earth system models, with the objective of utilizing systems modeling to improve our understanding of ecosystem responses to global change processes. Scientists at AL and other UMCES laboratories are at the cutting edge of producing increasingly large and diverse datasets in hydrology, air and water



quality, land use/land cover change, wildlife habitat, species distributions and genomic variation, biogeochemistry, and terrestrial and aquatic ecology, thus providing numerous opportunities for improved scientific understanding of ecosystems through interdisciplinary collaborations and systems modeling.

Applicants should send the following electronically: (1) a curriculum vitae; (2) statement of research interests and a brief discussion of how their research aligns with one of the two job descriptions and would complement ongoing research at AL and UMCES; (3) statement on experience with and approach to graduate-level teaching and mentoring of graduate students; (4) up to five selected reprints and preprints; and (5) names of four references (including title, mailing address, telephone, FAX, and e-mail address) to Plsearch@al.umces.edu. Review of applications will begin on January 20, 2015, and will continue until the positions are filled. Information about the AL and UMCES and this search can be found at: <http://www.umces.edu/al>. Inquiries may be addressed to the AL Director, Dr. Eric A. Davidson: edavidson@al.umces.edu.

UMCES is an Affirmative Action/EOE. Individuals with disabilities, veterans, women and minorities are strongly encouraged to apply.

To post jobs, advertisements, or other announcements please contact the Frontiers of Biogeography editorial office (frontiersofbiogeography@googlemail.com). Advertisements are \$50 per quarter page for professional or institutional positions. Announcements are free to members for vacancies in their lab. All advertisements and announcements also appear at no additional cost on the IBS facebook page (in abbreviated form) and on the IBS Blog (in long, or longer form).

Assistant/Associate Curator of Arachnology

California Academy of Sciences seeks an inspirational scientist who exemplifies the Academy's mission to "explore, explain, and sustain life on Earth." The candidate is expected to develop an internationally recognized research program on arachnids, communicate effectively with diverse audiences and address local or global sustainability issues. We value innovation and creativity in both funding and engaging public audiences. The endowed position includes an appropriate start-up package, modest annual funds for research and a full-time postdoctoral position.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, a statement of their research interests (not more than 3 pages), a statement of their sustainability and outreach goals (not more than 3 pages), and contact information for three references. Inquiries may also be directed to Dr. Brian Fisher (bfisher@calacademy.org), Chair of the search committee. Review of applications will begin January 2015. We encourage submission before that date, but applications will continue to be accepted until the position is filled.

Please apply online through <http://calacademy.snaphire.com/jobdetails?ajid=9LVs8>

PhD Funding, Sax Research Group, Brown University

The Sax Research Group is broadly interested in the field of conservation biogeography. We have funding for a PhD student interested in studying species' responses to climate change, with a special emphasis in understanding the relationship between species geographical distributions and climate. We will soon begin to pursue the research agenda described in a recent publication in *Trends in Ecology and Evolution* – Sax et al. 2013 ([download PDF here](#)). This work will characterize and map the realized, fundamental and tolerance niches of hundreds of plant species by taking advantage of species' native, naturalized and horticultural distributions. Other active areas of work in the lab include species invasions and species extinction dynamics.

Students interested in this opportunity should contact dov.sax@gmail.com

If your department is searching for a new faculty position this year in biogeography, ecology, evolution, geography and related disciplines, consider advocating for an advert to be placed in *Frontiers of Biogeography*. A quarter-page advertisement (~150 words, with formatting) will reach approximately 1000 active biogeographers (including many students and postdocs) globally via the journal and additional free advertisement on the IBS blog and an highlight on Facebook at a cost of only \$50; half- and full-page advertisements are available for proportional cost. In addition, you will be helping our junior members and supporting the society's journal.