

Readvertisement

Title: Assistant Professor (Quantitative Evolution/Ecology in Botany) Position Number: 0085019 Hiring Unit: College of Natural Sciences, Department of Botany Location: Manoa Date Posted: October 18, 2017 Closing Date: Continuous - application review begins November 24, 2017 Salary Information: Commensurate with qualifications and experience. Monthly Type: 9 Month Tenure Track: Tenure Full Time/Part Time: Full Time Temporary/Permanent: Permanent Funding: General Funds Other Conditions:

University of Hawai'i at Manoa, College of Natural Sciences, Department of Botany, invites applications for a full-time, general funds, tenure track, faculty position, pending position clearance and availability of funds. To begin approximately August 1, 2018 or as soon thereafter as possible. The University of Hawai'i is a Carnegie doctoral/research-extensive university with a strong emphasis on research and graduate education. The Department offers B.A., B.S., M.S., and Ph.D. degrees in Botany. For more information on the department, please visit www.botany.hawaii.edu/.

Duties and Responsibilities

We are searching for a highly creative and interactive scholar who fits into our multidisciplinary department. The area and system of study are open, although we are most interested in candidates who will address fundamental topics in ecological and/or evolutionary theory through the use of quantitative approaches. We encourage applications from candidates who adopt an integrative approach in their research. The competitive applicant will conduct conceptually oriented research that uses quantitative or computational approaches such as mathematical modeling, genomics/metagenomics, or network science.

Duties will include: instruct assigned courses and seminars in topics such as biostatistics, bioinformatics, mathematical modeling, computational ecology and/or evolutionary biology that teach students strong quantitative and analytical skills for the analysis of large datasets to address complex ecological questions. The development of courses that teach tools such as complex network analyses of living systems, plant genomics, metagenomics, and/or plant phylogenetics and employ evidence-based, active learning pedagogy; to incorporate concepts of sustainability into courses taught. Additional duties include: supervise student independent study/research activities; to train and mentor undergraduate and graduate students; to serve on departmental, college, and university committees; to render service to the professional and lay community relevant to the individual's academic specialty; to participate in curriculum development activities such as course materials and special instructional methods; to participate in graduate committees; to develop an externally funded research program in one or more areas of quantitative ecology/evolution leading to publication in leading scholarly journals; and to perform related tasks as assigned.

Minimum Qualifications

An earned Ph.D. in Botany, Biology, or a closely related field, and expertise in an emerging research area of computational science applicable to plants, algae, and/or fungi.

Candidates must show ability to teach undergraduate and graduate courses in the life sciences and one or more aspects of computational science. Candidates must also provide evidence of research productivity and publication of scholarly materials. Candidates must also demonstrate poise and good address for meeting and conferring with others.

Desirable Qualifications

Post-Doctoral research and/or teaching experience. Track record of and interest in collaborative research. Interest in island ecosystems and biodiversity. Ability to work in an ethnically rich, multicultural environment. To Apply: Applicants must submit as a single pdf file: 1) a cover letter specifying the position and the research area; 2) a 2-page statement of research interests, activities, and plans; 3) a 2-page statement on teaching philosophy, interests, and plans; 4) a curriculum vitae detailing research, teaching, and service accomplishments; 5) copies of up to 4 relevant publications; and 6) the names, addresses, e-mail, and telephone numbers of 4 professional references. Email applications to: botsrch@hawaii.edu. Inquiries:

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