Aquatic Ecosystems Entomologist – Posting Number 7437

Rank: Assistant Professor, tenure system.

Appointment: Academic (9-month); 70% research, 30% teaching.

Position Summary: This position involves research, teaching and service related to basic and applied research that bridges the fields of aquatic entomology and ecosystem ecology. The successful candidate is expected to develop an externally funded, interactive research program in these latter areas. This position will encompass a State that is surrounded by lakes and an abundance of rivers and streams, which is being challenged with applied problems, such as the addition of chemicals, land-use changes, invasive species, dams, and other types of human perturbations affecting the Great Lakes and wadeable and nonwadeable waterways in Michigan. In addition, demonstrated interest and research productivity in vector-borne infectious diseases within the larger framework of disease ecology is expected, due to the fact that many of the emerging or resurging diseases are transmitted by aquatic insects, primarily mosquitoes, black flies, and other related groups. Candidates with a record of multi-disciplinary research (e.g., from microbiology to mathematics) that quantitatively incorporates aquatic entomology and ecology within large-scale changes in landscape or climate from local to global scales will be given additional consideration. Directing graduate student research in aquatic entomology and serving on graduate student committees is expected. Teaching responsibilities will include a course in Aquatic Entomology and developing a graduate course in his/her field of research, depending on department needs.

Interactions: In addition to interacting with faculty in the Department of Entomology, the position offers opportunities for developing collaborative research programs in several departments (Fisheries and Wildlife, Zoology, Microbiology and Molecular Genetics) and other colleges or institutes, including the Colleges of Agriculture and Natural Resources, Natural Science, and Osteopathic Medicine, as well as the MSU Centers for Water Sciences and Global Change and Earth Observations. There are also opportunities to participate in interdisciplinary graduate degree programs such as the program in Ecology, Evolutionary Biology, and Behavior (EEBB). The successful applicant will be expected to develop international linkages as well.

Qualifications: Applicants are required to have a Ph.D. in Entomology, Ecology, Medical Entomology, or a related field, and demonstrated expertise in aquatic entomology. Preference will be given to candidates with strong postdoctoral experience who have demonstrated the potential for conducting a productive and independent research program, including the procurement of extramural funding. Experience in undergraduate or graduate teaching is desirable. The candidate should have a commitment to MSU’s core values of excellence and diversity and be supportive of the Land-Grant philosophy.

Salary: Commensurate with experience.

How To Apply: Review of applications will begin on April 1, 2013, and will continue until the position is filled. Applicants must apply online at http://www.jobs.msu.edu, and reference posting number 7437. Applications should include the following: cover letter stating reasons for interest in this position and qualifications; statement of administrative philosophy and vision for the future of aquatic entomology in the global context of water; curriculum vitae; and the names and contact information (address, e-mail, and telephone) for three professional references.

Questions regarding the position may be directed to the Search Committee chair, Edward Walker, MSU Department of Entomology (517-884-5389; walker@msu.edu). More information on the Department is available at http://www.ent.msu.edu/.

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