Aquatic Ecologist - Research Scientist

Apply now
Date: Aug 16, 2019
Location: Oak Ridge, TN, US, 37831
Company: Oak Ridge National Laboratory
Requisition Id 1415

Purpose
The Aquatic Ecology Group (AEG) within the Environmental Sciences Division at Oak Ridge National Laboratory is seeking a scientist to help contribute to its long-term biological monitoring and mercury technology development programs. The AEG has a long history of mercury-focused research, including studies focused on identifying mercury sources to contaminated streams, studies to elucidate the factors controlling mercury methylation and spatiotemporal bioaccumulation patterns, studies focused on ecotoxicology and ecological risk assessment including stream ecosystem responses to contaminant remediation and abatement, and studies focused on developing novel strategies and technologies for mercury remediation at contaminated sites. We seek a candidate to contribute to these and other ongoing efforts to identify impacts of various energy strategies (including other legacy contaminants, bioenergy, hydropower, nuclear, coal combustion) on water resources.

Major Duties and Responsibilities
We seek a candidate with combined field-lab-modeling experience working with contaminants and other stressors to streams, wetlands, reservoirs, and regulated rivers, including fish and invertebrate bioaccumulation and toxicity. The candidate should be comfortable with analytical chemistry techniques, experimental design, designing field research programs, and analyzing multivariate and time series data. Collaborating within interdisciplinary research teams is expected, and the successful candidate should be able to conceptualize, organize, and guide multiple tasks and individuals contributing to larger coordinated efforts, such as integrative frameworks for modeling mercury dynamics in streams.

Acquiring external funding from DOE and non-DOE sources is expected and expanding the scope of the research programs is encouraged. Other work within the AEG that would support collaborations with the candidate includes ecological modeling, biogeochemistry, research in urban dynamics, and examination of renewable energy strategies and policies. Successful candidates are expected to conduct national and internationally recognized research, obtain additional research funding, publish in scientific journals and technical reports, and present findings at scientific meetings.

Qualifications
Qualifications include a Ph.D. in ecology, oceanography, ecotoxicology, chemistry, environmental sciences, or related areas. Preference will be given to candidates with post-doctoral research experience and/or existing permanent positions, evidence of strong research productivity, and abilities to support funded research activities. Candidates with strong experience in analytical chemistry, multivariate statistics, and programming language development will be prioritized. Additional preference will be given to candidates with experience working with contaminants, especially mercury and/or candidates with experience with molecular biology or biochemistry techniques.

**Work Directions and Interfaces**

You will report to the Complex Aquatic Systems Team Lead in the AEG. You will work in a team environment to support multiple AEG projects, including biological monitoring programs and remediation technology development projects. Additional interfaces may include UCOR, TVA, TWRA and/or students/visitors to ORNL.

Applications should include a cover letter, current CV, and a list of at least three references. This position will remain open for a minimum of 5 days after which it will close when a qualified candidate is identified and/or hired.

**Benefits at ORNL:** UT-Battelle offers a quality benefits package, including a matching 401(k), contributory pension plan, paid vacation, and medical/dental plan options. Onsite amenities include a credit union, medical clinic, cafeteria, coffee stands, and fitness facilities.

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We accept Word (.doc, .docx), Adobe (unsecured .pdf), Rich Text Format (.rtf), and HTML (.htm, .html) up to 5MB in size. Resumes from third party vendors will not be accepted; these resumes will be deleted and the candidates submitted will not be considered for employment.

If you have trouble applying for a position, please email ORNLRecruiting@ornl.gov.

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