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Science Careers

FROM THE JOURNAL SCIENCE AAAS

ScienceCareers.org

Postdoctoral Research Associate Three Positions Available

The Institute of Marine and Environmental Technology (IMET) of the University System of Maryland (USM) seeks applications for three Postdoctoral Research Associate positions. IMET scientists study the biology of coastal marine biosystems and ensure their sustainable use (www.imet.usmd.edu). IMET brings together faculty members from three major USM research institutions - the University of Maryland Baltimore (UMB), the University of Maryland Baltimore County (UMBC), and the University of Maryland Center for Environmental Science (UMCES) - in a state-of-the-art research facility located at Baltimore's Inner Harbor. These positions are in collaboration with the National Institute of Standards and Technology (NIST), Hollings Marine Laboratory in Charleston, South Carolina. The postdocs will be jointly trained in Baltimore and Charleston and successful candidates will tentatively work at IMET for 6 months (Baltimore, MD) and at NIST for 6 months (Charleston, SC) each year. Appointments are for one year with extension possible depending on performance and funding availability.

1. IMET-UMBC seeks a Postdoctoral Research Associate in the laboratory of Dr. Colleen Burge to study coral holobiont function in a changing ocean. The position requires a PhD in Biology/Molecular Biology/Marine Science or related field. The position is in collaboration with Dr. Rusty Day at NIST. The postdoc will focus on integrating genomics and biogeochemistry approaches to understand coral physiology across a pH gradient. We seek an individual with strong experience in molecular biology, microbiology, and bioinformatics. Highly qualified candidates will also have experience in coral reef biology and/or biogeochemistry, including field sample collection via SCUBA, and laboratory processing of coral specimens. Salary is commensurate with experience. Interested applicants should send a letter of application, statement of research goals & curriculum vitae including three references (name, affiliation, phone number, and e-mail address) in PDF format via email to mupload.Postdoc.fyznkra096@u.box.com. Applicants will receive an e-mail from "Box" confirming receipt of the e-mail with attached files.
2. IMET-UMCES seeks a Postdoctoral Research Associate who is self-motivated, independent, dedicated, and career-oriented with a strong publication record and with expertise in invertebrate neuroendocrinology or NMR analysis to study Crustacean Metabolomics: Identification of potential growth and reproductive indicators for aquaculture using NMR and MS approaches. The position is in the laboratory of Dr. Sook Chung (IMET) in collaboration with Dr. Tracey Schock (NIST). The role of this position involves defining the ecdysteroidogenesis pathway using molecular biology and transcriptomic data analysis and NMR and MS analysis and an alternative ecdysteroidogenesis site in adult female blue crab, *Callinectes sapidus*; organizing experimental animals; conducting experiments; and analyzing data. Proposal and manuscript writing ability preferred. Among other shared responsibilities, this position will order supplies and arrange experiment services required. The successful candidate will tentatively work at IMET for 6 months (Baltimore, MD) and at NIST for 6 months (Charleston, SC) each year and must be able to work independently, as well as be a team leader/player working with students and other laboratory staff. Please submit your CV, cover letter, and contact information for three references to imethr@umces.edu.
3. IMET-UMB seek an outstanding candidate for a Postdoctoral Research Associate position (full-time) to study the metabolomics of extremophiles. Funding is available from the NIST/IMET Postdoctoral Program for applying high field NMR to study stress-related metabolites including compatible solutes. The position requires a PhD or equivalent degree in biological chemistry and/or molecular biology. Previous experience in microbial physiology, NMR spectroscopy or related disciplines is advantageous. The position is in a collaboration between Prof. Frank Robb (IMET) and Dr. Dan Bearden (NIST). Salary negotiable. Send CV with training, list of publications, a brief statement of career objectives, and plans for research in the research area listed above. Include the names and telephone numbers of three references to: Dr. Frank Robb, Ph.D. at Frobb@som.umaryland.edu.

To receive full consideration, application materials should be submitted by **7 May, 2016** (the positions will be open until filled).

The USM is an Equal Opportunity, Affirmative Action Employer. The University of Maryland, Baltimore is an Equal Opportunity/Affirmative Action Employer. Minorities, women, individuals with disabilities, and protected veterans are encouraged to apply.



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