

Washington State University: Postdoctoral position in ecophysiology

The Dowd laboratory is moving to the School of Biological Sciences at Washington State University (WSU) and seeks a postdoctoral fellow to preferentially begin work in August or September 2017 (later start dates could be negotiable). The postdoc will participate in a set of studies designed to examine the consequences of realistically covarying environmental parameters (salinity, temperature, dissolved oxygen, and pH) and unpredictable extreme events for several ecophysiological performance metrics of tidepool copepods. There will also be opportunities to develop related, independent research projects, for example on how underlying biochemical processes are influenced by these patterns of variation. Parallel studies on intertidal mussels are ongoing in the lab. The position will be based at the WSU campus in Pullman, WA. The postdoc will conduct fieldwork and extensive laboratory rearing studies with copepod lines, co-supervise undergraduate and graduate students, analyze data and prepare manuscripts, present results at professional conferences, and interact with our collaborator Dr. Mark Denny of Hopkins Marine Station of Stanford University (HMS). Applicants should have a genuine interest in participating in a program that closely integrates laboratory and field research, teaching, and student mentoring. Work will be conducted both in the laboratory and in the rocky intertidal zone at HMS and other field sites. More information about our work can be found at <http://myweb.lmu.edu/wdowd/> or <http://labs.wsu.edu/dowd/>. The School of Biological Sciences has a strong research presence in organismal biology, evolution, and ecology research (<https://sbs.wsu.edu/>); there are many opportunities for interaction and collaboration. The surrounding area offers a variety of outdoor activities, and Spokane is roughly 1.5 hours to the north.

Required education/experience:

Ph.D. in Biology, Ecology, Physiology, Biochemistry or related field

Preferred experience:

Creative and self-motivated candidates with experience in organismal physiology, high-throughput phenotyping, and/or ecomechanics as they relate to environmental stress will be given preference. Prior experience with constructing, programming, and/or maintaining environmental control systems (e.g., using Arduino or similar microcontrollers) would be particularly valuable. Strong quantitative skills as well as prior experience combining mechanistic laboratory and field studies will be viewed favorably.

Compensation:

Support (salary + WSU benefits) is available for up to 3 years, renewable annually.

Application process:

Interested applicants should send the following via email as a SINGLE PDF document: 1) CV, 2) one-page cover letter including a brief statement of research and teaching interests and career goals as they relate to this position, 3) contact information for 3 references, and 4) 1 representative publication. A formal WSU application and background check will be required of the selected candidate.

Questions regarding this position can be directed to:

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Screening of applications will begin immediately and continue until the position is filled.