

Postdoctoral scholar in marine microbial ecology (Boiteau Lab)

College: Earth, Ocean, and Atmospheric Sciences

Location: Corvallis, OR

Appointment: 1.0 FTE

Basis: 12 months

Anticipated Start Date: July 1, 2022 (flexible)

Position summary:

A postdoctoral scholar position in the field of ocean microbial ecology is available immediately in the College of Earth, Oceanographic and Atmospheric Sciences at Oregon State University. The postdoctoral scholar is being recruited to conduct research on microbial symbioses that solubilize and allocate micronutrient metals across marine ecosystems, with a focus on elucidating novel metabolic pathways (and genes involved) for metal dissolution and uptake. Our research [team](#) engages in oceanographic field work and laboratory-based studies and has a central goal of understanding how microbes respond to trace metal limitation across vast regions of the surface ocean and elucidating the specific cooperative strategies that increase metal availability to the community.

The PI is an NSF, DOE, and Simons Foundation funded faculty member in the College of Earth, Ocean, and Atmospheric Sciences at OSU and holds a joint appointment at the Pacific Northwest National Laboratory. The lab has expertise in trace metal clean microbial cultivation and mass spectrometry based metallomic/metabolomic analyses, and works closely with state-of-the-art national user facilities (EMSL, NHMFL, JGI), DOE National Laboratories, and other national/international academic institutions. Our collaborative team provides ideal opportunities to bridge existing expertise in genomic analysis with cutting-edge analytical tools for probing metabolic functions.

The ideal candidate will have solid experience in bioinformatics and using programming languages as a major focus of the project will include the analysis of complex multi-omic data sets. The applicant should have a track record of research productivity and an ability to work independently. The Postdoctoral Scholar should also be able to collaborate with others and function as a member of a research team. Potential for partial self-funding is welcome but not essential. The positions provide a competitive stipend and health insurance for up to three years, subject to satisfactory performance (<https://gradschool.oregonstate.edu/postdocs>).

MINIMUM/REQUIRED QUALIFICATIONS:

- Ph.D. in biology, microbiology, chemistry, ocean sciences, or a similar area.
- Excellent written and oral communication skills
- Strong organizational skills and the ability to prioritize and manage multiple projects.

PREFERED QUALIFICATIONS:

- Expertise in metagenomic, transcriptomic, and/or proteomic data informatics.
- Expertise in liquid chromatography mass spectrometry and/or mass spectrometry imaging analysis.

Application Process: Please provide a single PDF (include surname and initial of first name in the file name) that includes a 1-page cover letter and a full CV, as well as names and contact information for three references. Applications and inquiries may be sent electronically, with the subject line, "PD scholar" to rene.boiteau@oregonstate.edu:

Please contact Dr. Boiteau for more information (rene.boiteau@oregonstate.edu)