NTTF - Research Associate /Research Assistant Professor /Research Associate Professor of Microbial Ecology/Bioinformatics

Apply now **Job no:** 519634
Work type: Faculty - Career
Location: Eugene, OR
Categories: Research/Scientific/Grants

Department: Energy Studies in Buildings Laboratory
Rank: Research Associate
Annual Basis: 12 Month

Review of Applications Begins
February 3, 2017; position open until filled

Special Instructions to Applicants

Department Summary
The BioBE Center is training a new generation of innovators to study the built environment microbiome, including the diversity of microorganisms interacting with each other and with the indoor environment. The vision of this national research center is to understand buildings and urban environments as complex systems and to explore how urban, architectural, and building system (passive and active) design work to shape the microbiome, with the ultimate goal of designing healthy and sustainable buildings and cities. For a description of partner projects see http://www.microbe.net/.

Position Summary
Kevin Van Den Wymelenberg and Jessica Green, of the Biology and the Built Environment Center (BioBE), are currently seeking a microbial ecology Research Associate / Research Assistant Professor / Research Associate Professor (non-tenure track faculty) to investigate fundamental questions surrounding the role of microorganisms (bacteria, archaea, fungi, protists, and viruses) in the built environment and in relation to human health outcomes. Applicants must have a Ph.D. in biology, bioinformatics, or a related discipline.

The ideal candidate will have a combination of domain expertise and leadership potential. With regards to domain expertise, candidates should possess a demonstrated ability to generate and interpret microbiome data. Deep knowledge in data analytics, bioinformatics, and/or clinical microbiology is highly desirable. From a leadership perspective, we are seeking candidates that: are comfortable working on multiple concurrent projects with interdisciplinary scientists comprising a diverse range of experience (undergraduate through postdoc); have demonstrated a record of scientific writing and scholarly productivity; have a record of, or evidence of potential for, obtaining external research funding.

The successful candidate will have the ability to work with faculty, students, and industry partners from a variety of diverse backgrounds and the opportunity to creatively and

independently engage in research at the BioBE Center (http://biobe.uoregon.edu/), funded by the Alfred P. Sloan Foundation, federal agencies, and members of industry.

Minimum Requirements

Research Associate:

• Earned doctorate in Biology, Microbial Ecology, Computational Biology, Bioinformatics or a closely related field.
• A record of, or evidence of potential for, scholarly productivity and excellence commensurate with level of experience.
• Evidence of potential for obtaining external research funding.
• Evidence of successful or potential for successful research collaboration and/or consultation support to research collaborators.

Research Assistant Professor:

• Earned doctorate in Biology, Microbial Ecology, Computational Biology, Bioinformatics or a closely related field.
• A record of, or evidence of potential for, scholarly productivity and excellence commensurate with level of experience.
• A record of, or evidence of potential for, obtaining external research funding.
• Evidence of successful or potential for successful research collaboration and/or consultation support to research collaborators.

Research Associate Professor:

• Earned doctorate in Biology, Microbial Ecology, Computational Biology, Bioinformatics or a closely related field.
• A record of, or evidence of potential for, scholarly productivity and excellence commensurate with level of experience.
• A record of obtaining external research funding.
• Evidence of successful research collaboration and/or consultation support to research collaborators.
• A minimum of six years of experience in a research laboratory studying Biology, Microbial Ecology, Computational Biology, Bioinformatics or a closely related field.

Professional Competencies

• Strong writing skills.
• Excellent communication skills for translating research findings for policy makers, intervention teams, and research and evaluation specialists.

Preferred Qualifications

• An established area of substantive research interest that complements existing BioBE research.
• Demonstrated ability to analyze, interpret, and visualize complex data; expertise in advanced and multivariate statistics; and experience processing and analyzing large microbial amplicon and/or metagenomic datasets.
• Demonstrated experience managing multiple projects and a team of interdisciplinary scientists comprising a diverse range of experience (undergraduate through post-doc).
• Deep expertise of clinical and/or environmental microbiology.

• Expertise using bioinformatics to understand the ecology and/or evolution of complex microbial systems.
• A record of, or evidence of potential to work collaboratively with faculty, students, and industry partners from a variety of diverse backgrounds.

The University of Oregon is proud to offer a robust benefits package to eligible employees, including health insurance, retirement plans and paid time off. For more information about benefits, visit http://hr.uoregon.edu/careers/about-benefits.

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UO prohibits discrimination on the basis of race, color, sex, national or ethnic origin, age, religion, marital status, disability, veteran status, sexual orientation, gender identity, and gender expression in all programs, activities and employment practices as required by Title IX, other applicable laws, and policies. Retaliation is prohibited by UO policy. Questions may be referred to the Title IX Coordinator, Office of Affirmative Action and Equal Opportunity, or to the Office for Civil Rights. Contact information, related policies, and complaint procedures are listed on the statement of non-discrimination.

In compliance with federal law, the University of Oregon prepares an annual report on campus security and fire safety programs and services. The Annual Campus Security and Fire Safety Report is available online at http://police.uoregon.edu/annual-report.