

Job Description

We seek a postdoctoral research associate to conduct research at the interface between quantitative ecology and microbial genomics in the Center for Ecosystem Science & Society at Northern Arizona University (EcoSS). The postdoc will use tools in bioinformatics, statistics, ecological modeling, as well as laboratory and field experiments, to develop new quantitative models describing how microorganisms grow and interact in the environment. The postdoc will also use existing tools developed within EcoSS to analyze existing datasets and prepare manuscripts for publication. Work will address topics in the microbiome of soils, aquatic ecosystems, and the human microbiome. The scope of work will depend on the successful applicant's interests and skills. We seek to recruit a creative thinker, analyst, and writer who will work at the cutting edge of microbial ecology to quantitatively integrate genomic and experimental data. The postdoc will collaborate with a large and interactive team working in quantitative microbial ecology. The postdoc will also participate in EcoSS activities, including regularly scheduled seminars and working groups. This position is subject to the availability of funding.

Minimum Qualifications

PhD in the subject discipline conferred by the time of appointment.
Competent programming skills in bioinformatics (R and/or Python)

Preferred Qualifications

Record of publication in the peer-reviewed literature
Fundraising for research, and collaborative interdisciplinary research
Skills and experience in quantitative analysis of molecular and metagenomic/amplicon data
Demonstrated verbal and written communication skills
Innovation, self-motivation, critical thinking and problem solving skills
Vision for research growth and collaboration in ecosystem science

Knowledge Skills and Abilities

Knowledge of quantitative techniques for integrating data and models, bioinformatics, and microbial ecology
Excellent written and oral communication skills

To Apply

Please submit a single combined PDF file including: (1) cover letter, (2) CV, (3) 1-2 page statement of research vision in microbial ecology, and (4) names and contact information for three references must be attached to the application. The complete position announcement can be found at:

https://hr.peoplesoft.nau.edu/psp/ph92prta/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=603559&PostingSeq=1

Applications must be submitted at: www.nau.edu/hr

1. Select the link to access our careers site.
2. Sign In to access your account, or if you are not an existing user, select the New User link to create one.
3. Review the job description and select the Apply button to begin your application.

Please see [nau.jobs](#) for full job descriptions and details on how to apply online!

NAU is an Equal Opportunity/Affirmative Action Institution.

Women, minorities, veterans and individuals with disabilities are encouraged to apply.