**Position Details**

Department: The Department of Botany & Plant Pathology  
Number of Vacancies: 1  
Location: Corvallis, OR  
Position appointment percent: 100%  
Appointment basis: 12m  
Anticipated appointment begin date: January 1, 2022  
Anticipated appointment end date: December 31, 2024  
Posted date: September 15, 2021  
Closing date/Full consideration date: October 15, 2021  
Recommended Full-Time Salary: starting at $53,760 annual DOE.

**Position Summary:**

Applications are being accepted for a postdoctoral scholar position associated with the project "Gut-inhabiting fungi influence structure and function of herptile microbiomes through horizontal gene transfer and novel metabolic function". This project is funded through NSF’s Understanding Rules of Life: Microbiome Interactions and Mechanisms program, and will integrate ecological, evolutionary, chemical, and genomic data to elucidate the functional roles that specialized metabolites play in regulating fungal-bacterial interactions in gut microbiomes. The focus of the work will be in fungal evolutionary genomics and horizontal gene transfer between bacteria and fungi, but this person will also have the opportunity to participate in field work, microbiome analyses, and chemical analyses of natural products, and collaborate with researchers at Oregon State University, University of California Riverside, and Middle Tennessee State University.

**Position Duties:**

Laboratory work: 30%. Laboratory work includes culturing of fungi and bacteria, DNA and RNA extractions, preparation of libraries for genomic sequencing.

Computational biology: 50%. Computational work includes genome assembly and annotation, phylogenomic analyses of secondary metabolism, and testing for horizontal gene transfer between bacteria and fungi.

Supervision: 15%. Professional Development.

Other: 5%. Field work, ordering laboratory supplies, and other work relevant to the project and assigned by the PI.
Minimum/Required Qualifications:
PhD in Life Sciences or Computational Biology related field

Preferred (Special) Qualifications:
A demonstrable commitment to promoting and enhancing diversity.
Experience in genome biology, computational biology, and/or data science including working at the Unix command line, programming in Python and/or R.
Experience working with fungi, bacteria, or other microbes.

Working Conditions / Work Schedule:
Laboratory and office. 40 hours per week.

Special Instructions to Applicants: (ok to edit these requirements)
When applying you will be required to attach the following electronic documents:
1) A resume/CV; and
2) A cover letter indicating how your qualifications and experience have prepared you for this position.
3) You will also be required to submit the names of at least three professional references, their e-mail addresses and telephone numbers as part of the application process.

For additional information please contact: Joey Spatafora; joseph.spatafora@oregonstate.edu

This position requires driving a University vehicle or a personal vehicle on behalf of the University; therefore, the incumbent must successfully complete a Motor Vehicle History Check, possess and maintain a current, valid driver’s license in their state of residence, be determined to be position qualified and self-report convictions as per OSU STANDARD 576-056-0000 et seq. Offers of employment are contingent upon meeting all minimum qualifications including the Motor Vehicle Check Requirement.

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.