

## Postdoc Position in Resistome Bioinformatics and Meta-analysis

**Overview:** Our research team at Oregon State University is looking for a creative and highly motivated postdoc for an EPA-funded 2.5-year research project. The project is part of a larger study aimed at quantifying the impact of seasonal, regional, and treatment processes on antibiotics and antibiotic-resistant bacteria/genes in U.S. wastewater systems to inform policies and management practices for public health protection. The postdoc will lead a systematic review of wastewater resistome and conduct a meta-analysis of metagenomic sequenced literature.

**Team:** The postdoc will be housed in the School of Chemical, Biological, and Environmental Engineering at Oregon State University and will be advised by [Dr. Tala Navab](#). Our interdisciplinary team consists of Drs. Tala Navab (lead PI; Environmental Eng), Tyler Radniecki (co-PI; Environmental Eng), Manuel Garcia-Jaramillo (co-PI; Environmental and Molecular Toxicology), Gerrad Jones (co-PI; Biological & Ecological Eng), two PhD students on microbial/molecular work, one PhD student on chemical analyses, a postdoc with expertise on metagenomic meta-analysis (this position), and a postdoc with expertise on datamining. We are partnering with wastewater utilities and other wastewater professionals throughout the country. The project will also engage K-12 educators to develop and deliver high school curriculum modules.

*All highly motivated candidates, regardless of national origin, age, gender, sexual orientation, or creed are encouraged to apply.*

### Required Qualifications:

- PhD in Environmental Engineering, Environmental Microbiology, or closely related fields.
- Expertise in bioinformatics analysis of sequenced data (including data assembly, annotation, and multivariate data analysis) with publications as lead author.
- Proven track record of independent research, critical thinking, and problem-solving.
- Ability to work independently and in a team.
- Excellent oral and written communication skills.
- Excellent organizational and time management skills.
- A commitment to promoting and enhancing diversity.

### Preferred Qualifications:

- Experience and publication record in bioinformatic analysis of resistome metagenomic data.

### Benefits

- Salary and Benefits: Commensurate with qualifications and experience as per OSU guidelines <https://gradschool.oregonstate.edu/postdocs/stipends-and-benefits>
- Equal Opportunity Employer: <https://eoa.oregonstate.edu/affirmative-action>
- Oregon: a beautiful state in the U.S. with access to the ocean and the mountains for fun outdoor activities. The postdoc will be located in Corvallis, OR.

**Application Instructions:** Please send a single PDF of the following documents to Dr. Tala Navab at [Tala.Navab@OregonState.edu](mailto:Tala.Navab@OregonState.edu) with the reference "Postdoc application resistome meta-analysis - Your Last Name" in the subject line.

1. Cover letter addressing the required and preferred qualifications (1 page)
2. Detailed C.V.
3. Contact information for two references

***For full consideration, apply by Oct 31st. Start date as soon as possible and no later than Mar 1, 2025***