

## Postdoctoral Fellowship in Environmental Health Biostatistics

Applications are invited for a postdoctoral fellowship in Environmental Health (EH) Biostatistics in the Department of Biostatistics and Computational Biology at the University of Rochester (UR), funded by an NIEHS T32 training grant. The appointee will develop novel statistical methodology for projects related to EH, and/or be involved in statistical analyses for collaborative work with EH investigators, under co-mentorship of Biostatistics and EH faculty trainers. Methodological expertise among Biostatistics faculty trainers includes Bayesian MCMC methods, models for multiple outcomes, latent variable models, measurement error, missing data, causal inference, survival analysis, clustering, statistical genomics, molecular systems biology, and bioinformatics.

The specific area of the appointee's methodology development or analysis may be based on the trainee's interests and may be motivated by ongoing EH research at UR, such as studies of the effects of exposure to air pollution, metals, endocrine disruptors, pesticides, shale gas (fracking) or stress on pregnancy outcomes, reproduction, immune function, neurodevelopmental disorders, cognitive outcomes, or on gene expression pathways. The appointee will also receive further training in biostatistics and toxicology. Interested trainees will have the opportunity to gain experience in community engaged research related to environmental health problems.

**Position qualifications and start date:** Candidates should have a doctoral degree in (bio)statistics, epidemiology, computational biology, data science, environmental health or a related field, with training in statistics and programming, and excellent communication skills. In accordance with NIEHS regulations, trainees must be US citizens or non-citizen nationals of the US who have been lawfully admitted for permanent residency and must have a doctoral degree by the start date. The initial appointment is for one year with the possibility of renewal for a second year. Applications will be reviewed starting June 1. The candidate should plan to start mid to late summer or early fall, but a later start date will also be considered.

**Application instructions:** A cover letter describing research experience, a current CV, graduate transcript (can be unofficial) and contact information for three references should be sent to [Sally\\_Thurston@urmc.rochester.edu](mailto:Sally_Thurston@urmc.rochester.edu) (please reference "NIEHS postdoctoral position" in the subject). For more information see <https://www.urmc.rochester.edu/biostat/training-grant.aspx>.

**About us:** The University of Rochester is one of the world's leading private research universities. We are a community in which all who work, teach, create, and provide care are welcome and respected, and where all can pursue and achieve their highest objectives for themselves, their community, and the world.

The Department of Biostatistics and Computational Biology currently includes 17 tenure-track and 4 research-track faculty and approximately 30 graduate students. Our goal is to prepare qualified predoctoral and postdoctoral trainees for careers that have a significant impact on the health-related research needs of the country within a diverse and inclusive environment.

Rochester is in the Finger Lakes region of western New York State, where the cost of living is reasonable and housing is affordable. The University has an active postdoctoral association that offers career development and networking opportunities, see <https://www.urmc.rochester.edu/education/post-doctoral.aspx>.

*The University of Rochester is committed to fostering, cultivating and preserving a culture of equity and inclusion. The University believes that a diverse workforce and inclusive workplace culture enhances the performance of our organization and our ability to fulfill our important missions. The University of Rochester is an equal opportunity employer and is committed to providing employment opportunities to all qualified applicants without regard to race, sex, age, color, national origin, ethnicity, creed, religion, disability, sexual orientation, gender, gender identify, marital status, pregnancy or veteran status. The University is committed to fostering and supporting an inclusive workplace culture where all employees feel included, equal valued and supported.*