

Postdoctoral Fellowship in Environmental Health Biostatistics

University of Rochester: The University of Rochester (UR) and its medical center (URMC) are devoted to providing highly advanced medical care, complemented by excellence in research, education and technology. We strive to improve the well-being of patients and communities by delivering innovative, compassionate, patient- and family-centered health care. Our vision is to cultivate a diverse and inclusive environment that guides and transforms our approaches to healthcare, education, research and community partnerships.

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

Duties and responsibilities: Applications are invited for a postdoctoral fellowship in Environmental Health (EH) Biostatistics in the Department of Biostatistics and Computational Biology at UR, funded by an NIEHS T32 training grant. The department includes 17 tenure-track and 3 research-track faculty and approximately 25 graduate students. Our goal is to prepare qualified predoctoral and/or postdoctoral trainees for careers that have a significant impact on the health-related research needs of the country within a diverse and inclusive environment. Depending on statistical training, the appointee will develop novel statistical methodology for projects related to EH, or carry out applied statistical analyses for EH-related projects, under the 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 methodological development or applied analysis may be based in part 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 gene expression pathways. The appointee will also receive further training in biostatistics and toxicology, and be involved in collaborative work with EH researchers. Interested trainees will have the opportunity to gain experience in community engaged research related to understanding and addressing environmental health problems.

Position qualifications: 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. The candidate should plan to start in fall 2021, 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 (please reference "NIEHS postdoctoral position" in the subject). Applications will be accepted until Sept 1 or until filled. For more information see <https://www.urmc.rochester.edu/biostat/training-grant.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 is committed to fostering and supporting a workplace culture inclusive of people regardless of their race, ethnicity, national origin, gender, sexual orientation, socio-economic status, marital status, age, physical abilities, political affiliation, religious beliefs or any other non-merit fact, so that all employees feel included, equal valued and supported.