UNIVERSITY of ROCHESTER MEDICAL CENTER

POSITION TITLE: Postdoctoral Fellowship in Environmental Health Biostatistics

The Department of Biostatistics and Computational Biology (DBCB) at the University of Rochester (UR) announces an opening for a postdoctoral traineeship in Environmental Health (EH) Biostatistics, funded by an NIEHS T32 training grant. We seek applicants with a doctoral degree in (bio)statistics, epidemiology, computational biology, data science, environmental health, or a related field. Depending on statistical training, the appointee may develop and apply novel statistical methodology for projects related to EH, or carry out applied statistical analyses for EH-related projects. The appointee will 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.

This work will be done under the mentorship of a Biostatistics faculty trainer (Drs. Sally W. Thurston, Matthew N. McCall, Brent Johnson, Tanzy Love, Michael McDermott, David Oakes, or Robert Strawderman) and co-mentorship from a leading EH researcher. The specific methodological development or area of application 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. Methodological expertise among T32 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. For more information see https://www.urmc.rochester.edu/biostat/training-grant.aspx.

Position qualifications: In accordance with NIEHS requirements, trainees must be a US citizen or permanent resident, and must have a doctoral degree by the appointment start date. We seek a highly motivated candidate with training in statistics and programming, and excellent communication skills.

Appointment: The position is available for 12 months initially with the possibility of renewal for a second year. The start date must be prior to June 30, 2021.

To apply: A cover letter describing research experience, a current CV, graduate transcript (can be unofficial) and contact information for three references should be sent by email to Sally_Thurston@urmc.rochester.edu (please reference "NIEHS postdoctoral position" in the subject).

The UR and its Medical Center (URMC) are equal opportunity and affirmative action employers, and share a vision of cultivating a diverse and inclusive environment that guides and transforms its approaches to education, research, healthcare, and community partnerships. As a member of both institutions, the DBCB is strongly committed to fostering and supporting a workplace culture inclusive of people regardless of their race, ethnicity, national origin, gender or gender identity, sexual orientation, age, physical abilities, religious beliefs, veteran status or any other factor that cannot lawfully be used as a basis for recruiting or hiring decisions. Any applicant that meets our stated position qualifications is strongly encouraged to apply.