The Department of Biostatistics and Bioinformatics at the Rollins School of Public Health, Emory University invites applications for one postdoctoral fellow under the supervision of Dr. Howard Chang and Dr. Lance Waller.

The successful candidate will develop and apply spatio-temporal statistical methods for infectious disease surveillance. Specifically, the project aims to provide statistical methods and tools for reducing spatial uncertainty in disease measures by leveraging data across multiple surveillance systems and across multiple diseases. With guidance from US collaborators and the China CDC, methods will be applied to four infectious diseases of global importance: tuberculosis, malaria, schistosomiasis and hookworm. The candidate will join an interdisciplinary research team focused on spatio-temporal biostatistics and has opportunities to collaborate with other researchers in environmental health, disease ecology, climate science, and spatial epidemiology. Publications in peer-reviewed journals and presentations at scientific meetings are expected and encouraged. The position is available immediately and a later start date (e.g. Spring 2018) will be considered.

The candidate must hold or is expected to receive a PhD or equivalent in Statistics, Biostatistics, Epidemiology, Computer Science, or other related quantitative discipline. Prior experience in infectious disease epidemiology, Bayesian hierarchical modeling, statistical computing, or spatial statistics is desirable but not necessary. Candidates should be capable of working independently and possess excellent written and verbal communication skills.

To apply, please email CV, a statement of research interests, and contact information of three references to Howard Chang (hhchang@emory.edu).