Postdoctoral Position at Johns Hopkins Bloomberg School of Public Health

Preventing emergence and spillover of bat henipaviruses in high-risk global hotspots

The Department of Epidemiology at the Johns Hopkins Bloomberg School of Public Health is looking for a postdoctoral fellow to work on **a study to prevent emergence and spillover of bat henipaviruses in Bangladesh**, funded through DARPA's Preventing Emerging Pathogenic Threats (PREEMPT) program. This is a multi-country and highly multi-disciplinary project with the goal of characterizing the diversity of henipaviruses, predicting bat shedding of these viruses, and identifying interventions to prevent it. Nipah and Hendra viruses, the two most relevant henipaviruses, spillover each year into humans and livestock, posing a risk for larger outbreaks and adaptation of these viruses to human hosts.

This position will be primarily based in Baltimore with Dr. Emily Gurley, but will collaborate closely with the Bangladesh-based field team and Dr. Henrik Salje at Cambridge University. The ideal applicant will have both quantitative skills in epidemiology or ecology, as well as experience with field based projects, ideally in low-income settings. Applicants with, or nearing completion of, a doctoral degree in epidemiology or a related field will be considered.

The successful applicant will analyze existing and prospective datasets related to bat ecology and Nipah virus spillovers in Bangladesh. The postdoctoral fellow will spend time in Bangladesh with the field teams sampling bats, and assist with database cleaning and curation, and will visit Cambridge once per year in support of quantitative analyses. The specific focus of these analyses can be determined, at least in part, by the fellow's experience and interests. The postdoctoral fellow will also have the opportunity to develop funding proposals for and lead ancillary studies in support of the project, and will collaborate more broadly with the diverse group of scientists working on the project in Ghana, Madagascar, and Australia.

The successful applicant will join a highly inter-disciplinary, international research network and will spend considerable time (20%) traveling to work with collaborators, primarily in Bangladesh.

The position will be for 1-2 years, depending on applicant interest and funding.

Interested candidates should contact Dr. Emily Gurley (egurley1@jhu.edu) with a CV, statement of interest, and references. Applications will be considered on a rolling basis and should be submitted by Nov 1, 2019.

[Link to PREEMPT Bangladesh description](#).