Tufts CMC Framework Program for Global Health Innovations

Dr. Amy Pickering invites applications for an interdisciplinary postdoctoral position in Global Health Innovations in the Civil and Environmental Engineering Department at Tufts University. The successful candidate will participate in the NIH D43 Tufts-CMC Framework Program for Global Health Innovations, a collaboration between Tufts University and Christian Medical College in Vellore, India. The goal of the program is to translate research into products, processes, or policies that address specific global health challenges.

The successful candidate will conduct research (in one or more of the following areas) aimed at:

- Predicting the effect of future climate change on prevalence of infectious diseases with new mapping or modeling tools
- Distinguishing human from animal fecal contamination in the household environment by developing novel fecal source tracking markers
- Characterizing and interrupting transmission of zoonotic enteric pathogens using innovative technological and behavioral interventions.

Technical expertise in at least one of the following would be a distinct advantage:

- Statistical inference and prediction using R or Stata
- Molecular methods to analyze biomedical and environmental samples (e.g. qPCR, digital droplet PCR, metagenomics)
- Geospatial data analysis and visualization; familiar with Python, R, QGIS, Google Earth Engine

The position is based at Tufts University in Medford, Massachusetts with extended travel to India. Applicants must be US citizens or permanent residents and have a doctoral or medical degree (PhD, DrPH, DVM, MD). Benefits include NIH based annual stipend commensurate with level of experience, healthcare benefits, and travel to India. The position is guaranteed one year of funding, with possible extension to two years.

The position is immediately available, however, the start date is negotiable. Please apply before Aug 31, 2017 for full consideration. To apply, send the following items as a single pdf directly to amy.pickering@tufts.edu, with the subject line "Global Health postdoc application":

1. Cover letter
2. Current CV
3. Dissertation or peer-reviewed manuscript
4. Contact information for three references