

Yale SCHOOL OF PUBLIC HEALTH
Epidemiology of Microbial Diseases

**EMD Seminar Series & Yale Climate & Energy
Institute (YCEI)**

**Aaron A. King, PhD
Associate Professor
Department of Ecology & Evolutionary
Biology and Mathematics
University of Michigan**

**“Toward reliable and mechanistic
cholera forecasting in an endemic
setting”**

Mathematical models have long been used to great effect in epidemiology to both ground and expand scientific understanding of basic processes of transmission, immunity, and disease and as tools for developing public health policy. By contrast, only very rarely have mechanistic models been used to make true forecasts and their utility as forecasting instruments remains largely unexplored. Indeed, there is no strong reason to expect such models to perform better at forecasting than more unconstrained schemes. In this talk, I describe recent work aimed at developing practical forecasting technology for cholera in its endemic home, Bangladesh.

Thursday, April 3, 2014

12:00 PM, LEPH 115

Host: M. Diuk-Wassr/V. Pitzer