INDIANA UNIVERSITY

POSTDOCTORAL POSITIONS IN EXPERIMENTAL MICROBIAL EVOLUTION

Two postdoctoral research positions are available in the Department of Biology at Indiana University. Positions will be supported with a five-year Multidisciplinary University Research Initiative (MURI) grant from the US Department of Defense (DoD) program on "Innovation in Prokaryotic Evolution". The goals of the project are to reveal the molecular causes and consequences of evolution in highly replicated lines of a phylogenetically diverse range of microbial taxa in response to changes in the internal population-genetic environment (e.g., population size) and the external natural environment (i.e., starvation). We seek individuals with expertise in microbiology, bioinformatics, population genetics, and/or evolutionary theory and an ability to design long-term evolution experiments and analyze whole-genome sequencing data derived from them.

This project involves collaborative work between Michael Lynch, Pat Foster, Jay Lennon, and Jake McKinlay in the Department of Biology, Indiana University, Bloomington (http://www.bio.indiana.edu/), which has an excellent infrastructure for conducting microbiological, evolutionary, and ecological research, and Allan Drummond (University of Chicago). The positions are based at Indiana University in Bloomington, IN. Postdocs will be in residence in the Lynch Lab (http://www.indiana.edu/~lynchlab/) and/or the Lennon Lab (http://www.indiana.edu/~microbes/), but will have the opportunity to interact and collaborate with partnering labs. These positions are available immediately, although the start dates are somewhat flexible. Interested parties should email a cover letter containing a brief statement of research interests, a CV, and names of three potential letter writers to milynch@indiana.edu. Applications will be evaluated as they are received and will continue until the position has been filled.