

POSTDOCTORAL POSITION

Multi-scale Modeling in Immunology

A postdoctoral position is available jointly in the laboratories of Jennifer Linderman in the Departments of Chemical Engineering and Biomedical Engineering and Denise Kirschner in the Department of Microbiology and Immunology, both at the University of Michigan. The project is part of grants to use systems biology approaches to build multi-scale and multi-organ approaches to understand the immune response to tuberculosis and involves integrating data derived by our collaborators together with *in silico* models developed in our groups. An estimated one-third of the human population is infected with the pathogen *Mycobacterium tuberculosis*, making it a global health problem.

The post-doctoral fellow will concentrate on projects that require skills in computational modeling in biology. Thus the ideal applicant will have extensive experience in modeling and some programming needed for working with our existing agent-based models, and, in addition, will have an ability to read scientific literature in immunology, microbiology and systems biology. Good communication skills –both written and oral– are essential. Pay is determined by the standard NIH post-doc pay scale, which is commensurate with education and experience.

Applicants should send a CV, names and email addresses of 3 references, and a letter describing research interests and summarizing Ph.D. work to Denise Kirschner kirschne@umich.edu and Jennifer Linderman linderman@umich.edu. Copies of accepted or published papers are welcome.