

Postdoctoral Position in Systems Biology



Yang Laboratory for Quantitative Biology University of Michigan, Ann Arbor <http://www.umich.edu/~qiongy/>

Description: The Yang Lab is the new research group in the department of Biophysics at UMich, opening officially in January 2014. We study biological oscillations and self-organization processes in early zebrafish embryos. The local interactions in the form of mechanical and biochemical signals allow individual molecules and cells to generate collective spatio-temporal patterns. To pin down the physical mechanisms behind these processes, we integrate mathematical modeling, live-cell and super-resolution imaging, and microfluidics to study both cell-free extract system and live embryos, and connect the understandings across the molecule, cellular, and embryo levels.

The candidate should have a quantitative background and a strong interest in interdisciplinary research. Experience with building optical imaging systems, Matlab, zebrafish, and molecular biology is preferred. The starting date is flexible, between Fall 2014 and Fall 2015.

How to apply: Interested candidates should send a letter describing your interest in the position, CV, and names of three references to Email: qiongy@umich.edu Dr. Qiong Yang, Assistant Professor of Biophysics and Assistant Professor of Physics, University of Michigan.