Position type: Postdoctoral Position at the NIH
Position Title: Quantitative Modeling of Immune Cell Signaling Dynamics

Position description: A postdoctoral fellowship is available in October 2021 at the National Institute on Aging, NIH, for investigating systems and dynamics basis of immune cell decision-making. We use novel reporter mouse strains, quantitative live cell imaging methods, and chromatin assays to examine how individual immune cells may decode various stimuli with lineage and ligand specificity. The successful applicant will work in the laboratory of Dr. Myong-Hee "Mia" Sung (https://irp.nih.gov/pi/myong-hee-sung). We are seeking highly motivated recent Ph.D. scientists who are interested in applying systems cell biology approaches to immunology, inflammation, and aging.

Relevant publications from the lab include Sung MH et al. PLoS One 2009 (PMID: 19787057); Sung MH et al. Sci Signal 2014 (PMID: 24425788); Sung MH and McNally JG, Wiley Interdiscip Rev Syst Biol Med 2011 (PMID: 20730797); Martin EW and Sung MH, Cells 2018 (PMID: 30205475); Oh KS et al. Immunity 2017 (PMID: 28801231); Martin EW et al. Sci Signal 2020 (PMID: 32098801).

An ideal candidate will have a background in a physical science (applied math, physics, or engineering) and a strong interest in utilizing quantitative approaches in biology. We offer the opportunity to learn relevant experimental methods including live cell microscopy while applying these approaches to important outstanding problems in immunology. NIH postdoctoral fellowships provide generous stipends and health insurance, stable funding, career training opportunities, and access to a vast array of scientific resources and core facilities as part of the large intramural NIH community.

To apply: interested individuals must send a cover letter, CV, and contact information for 3 references to: sungm@nih.gov. International applicants are welcome, but the appointment process requires 3-4 month lead time.

Employer Name: National Institute on Aging

Position Location: Baltimore, Maryland

Application Deadline Date: Open until filled

Disclaimers: *DHHS and NIH are Equal Opportunity Employers. The NIH is dedicated to building a diverse community in its training and employment programs.*