Research Technician Positions in Systems and Synthetic Biology

Research Technician position available in the Noyes lab (www.noyeslab.com) of the Institute for Systems Genetics at the NYU School of Medicine. This position will focus on a project to investigate the protein-protein interactions within the microbes of the human microbiome and how these interactions allow their hosts to respond to their environment. There are 3 primary objectives to the project: to characterize these interactions and how they differ from their eukaryotic counterparts, to understand how these interactions allow the microbe to respond to external stimuli, and to engineer these proteins for novel therapeutic applications such as targeted protein digestion and artificial signaling pathways. This project is perfect for a young technician hoping to get a couple years of publishable research under their belt before applying to graduate school. Our lab has an outstanding track record of placing technicians in top graduate and medical programs.

In general, the Noyes Lab attempts to understanding the nuts and bolts of the molecular interactions between proteins and their targets. Our ultimate goal is to characterize these interactions, the influence of genetic variation on these interactions, and their connections to phenotype; but we also want to use this information to develop molecular, therapeutic tools that manipulate these interactions and the genomes that harbor them. We have a small but talented group and have been awarded funding from the NIH to support these and other projects. I am excited to see what kind of fun team we can build to apply the concerted union of systems and synthetic biology that will revolutionize molecular medicine.

Exceptional candidates will have experience working with bacteria and/or human tissue cultures, cloning, genome editing, hybrid assays, and protein/nucleic acid library design. Familiarity with common modes of protein-DNA, protein-RNA or protein-protein interactions, as well as computational analysis of such interactions, is also desirable.

 Interested applicants should submit a cover letter, CV, and transcript. Application materials should be sent to marcus.noyes@nyumc.org. Salary will be commensurate with accomplishment, fit, and experience.

EOE including Disabled and Vets VEVRAA Federal Contractor

Institute for Systems Genetics
The New Science Building – 9th floor
435 East 30th Street, New York, NY 10016