Two Postdoctoral Positions in Developing Infectious Disease Self-Testing Technologies

Biomedical Sensing Systems Laboratory
Pennsylvania State University, University Park

The Biomedical Sensing Systems Laboratory at The Pennsylvania State University is seeking to hire a postdoctoral scholar to work on an NIH-funded project to develop a point-of-care ultra-compact nucleic acid device to detect viral rebound that is simple enough for laypersons to test themselves.

Prof. Weihua Guan’s Biomedical Sensing Systems Laboratory at the Pennsylvania State University, University Park is interested in interdisciplinary and translational researches that leverage state-of-the-art micro/nanotechnology, materials, microfluidics, biotechnology, and bioinstrumentation to enable the development of next-generation of lab-on-a-chip devices and systems for medical diagnosis.

Position Information and Requirements: Qualified individuals will have expertise in biosensing, microfluidics, nucleic acid assays, point-of-care instrumentation. The positions require a Ph.D. in engineering (electrical/chemical/mechanical/biomedical), chemistry, cell and molecular biology or a related field. Demonstrated ability to conduct clinical studies will be considered a plus. The positions require close collaborations with PennState College of Medicine. Successful candidates will be highly motivated, detail-oriented, work independently while displaying excellent communication and analytical skills. The position starts from Oct 1, 2021, or after. The initial appointment will be full-time for 12 months, and the renewal of the position can be extended to up to 36 months. The annual salary will follow NIH guidelines and commensurate with experience.

How to Apply: Interested applicants should send (1) a cover letter with a description of research background and interests, (2) CV, (3) three representative papers, and (4) contact information of two references in a single PDF by email (wzg111@psu.edu) to Prof. Weihua Guan. Review of applications will begin immediately and continue until the position is filled. More information about our research, please visit https://sites.psu.edu/guanlab/