

Postdoctoral Opening in Microtechnology in Medicine and Biology Lab

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We are looking to hire a postdoctoral researcher to assist in the development and testing of diagnostic devices for the developing world. This project, which is funded by the Bill and Melinda Gates Foundation, aims to develop molecular diagnostic tests for low-resource settings, or settings with limited access to infrastructure, specialized personnel, lab equipment, etc. Prior to deployment in the field, significant testing is needed to ensure optimal and robust performance, particularly in the area of sample preparation. Testing will cover a wide variety of biomarkers, including DNA, RNA, proteins, and whole cells.

We are looking for a candidate with a Ph.D. in biology, biotechnology, biochemistry, or similar. The ideal candidate would have significant experience optimizing methods to analyze proteins and nucleic acids (e.g., immunoassays, qPCR, RT-PCR, SNP analysis). The candidate must be open to working with new technologies and have willingness to contribute to development of new technologies in this area. Previous experience in assay development is desirable. Experience working with human samples and infectious diseases including HIV/AIDS and TB is also desirable.

The MMB is located in the Wisconsin Institutes for Medical Research adjacent to the UW hospital. The candidate will be working closely with a multi-disciplinary team consisting of others from engineering and biology backgrounds. He or she must be enthusiastic and able to work independently in a large academic lab.

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