

**Post-doctoral Position Available: Biochemical synthesis of DNA binding proteins for single molecule studies**

A post-doctoral position is available in the area of single molecule detection of specific DNA-protein complexes using fluorescence microscopy. Protein probes are designed to bind sequence-specifically to target nucleic acid sequences; the ultimate goal is to engineer a microfluidic genotyping tool. Qualified candidates will have expertise in biochemistry and molecular biology including recombinant DNA technology, protein purification, DNA-protein interactions, nucleic acid enzymology, PCR, and related methods. Previous experience in single molecule studies is preferred, though not critical for the position. The primary initial focus will be protein probe design and synthesis; this work will be coupled to on-going efforts on single molecule studies in microfluidic devices. This project is part of a larger collaboration with the Shaqfeh group at Stanford.

This position is available immediately, and will remain open until filled. The initial appointment will be one year; renewal will be subject to mutual agreement and the availability of funds.

Interested candidates should send a letter of application, resume, and the names and contact information of three references to: Professor Susan Muller, Department of Chemical Engineering, University of California, Berkeley, 94720-1462 or via e-mail (preferred) to [muller2@berkeley.edu](mailto:muller2@berkeley.edu).