



ROBERT E. FISCHELL INSTITUTE FOR BIOMEDICAL DEVICES

Postdoctoral Associate Synthetic Biology

Position Summary/Purpose of Position

Applications are invited for a Postdoctoral Associate position within the new Robert E. Fischell Institute for Biomedical Devices at the University of Maryland. This Institute is housed within brand new A. James Clark Hall on the College Park campus. The Institute has active collaborations with the FDA, Children's National Medical Center, the University of Maryland, Baltimore, among many other Institutions. The position is within the laboratory of William E. Bentley, whose research thrusts are broadly in synthetic biology and metabolic engineering with specific interests in redox-mediated metabolic control. Candidates will engineer biological networks, including those involving cell-cell signaling as well as those that interface with microelectronic devices. Duties include cloning vectors for recombinant protein expression and metabolic control. Duties also include use of analytical instrumentation such as optical, fluorescence, and confocal microscopes, flow cytometer, plate reader, potentiostat, anaerobic chamber, and mass-spec, recording and documenting results, preparing research manuscripts, maintaining lab environment, and ordering supplies and materials.

Minimum Qualifications:

Qualified candidates must have a Ph.D. in Bioengineering, Chemical Engineering, or a related field. Experience with bacteria is a must and mammalian cell culture is a plus. Successful candidates must have excellent oral and written communication skills.

Additional Information:

Interested candidates should submit a cover letter, CV, list of at least three references, and two first author publications as a single PDF file to bentley-lab@umd.edu. The cover letter should describe the candidate's research experiences, career goals, and start date as well as the skills and attributes that the candidate will contribute to the lab

Best Consideration Date: August 5, 2019

Physical Demands:

Able to lift, access scientific equipment (more than 10 pounds, and otherwise move lab objects).

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.