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A. JAMES CLARK SCHOOL OF ENGINEERING
FISCHELL DEPARTMENT OF BIOENGINEERING

POSTDOCTORAL RESEARCH POSITION

The Maisel Lab in the Fischell Department of Bioengineering at the University of Maryland – College Park is currently recruiting candidates for an NIH funded postdoctoral research position.

The Maisel Lab's research integrates materials science, immunology, mucosal barrier physiology, and drug delivery to achieve our long-term research goal to design nanoparticles and in vitro model systems to take advantage of and study the interface between biological barriers and biomaterials. We are particularly interested in understanding how the lymphatic system responds to physiological and pathological cues at mucosal surfaces, and how we can take advantage of the natural transport functions of the lymphatics to deliver therapeutics to modulate the immune response. For more information, please visit: <http://maisellab.umd.edu/>

The available postdoctoral project will involve working on ongoing projects on in vitro model development as well as developing new directions in this area. Particular emphasis will be placed on designing in vitro model systems of lymphatic vessels, mucosal surfaces, and integration of the two for more complex model systems. Ideal candidates should have prior experience with designing in vitro models, particularly using microfluidic systems. Candidates should be independently motivated, collaborative, interested in the using engineering tools to answer biological questions, and have excellent written and oral communication skills, which are demonstrated through their publication and presentation record. Applicants should hold a Ph.D. in biomedical engineering, bioengineering, or a related field.

Compensation for this position will be based on NIH guidelines and will include a competitive benefits and retirement package offered by the University of Maryland. Postdoctoral researchers are eligible for renewable annual contracts with the expectation of completing 2-4 years of postdoctoral training. Developing new research directions, pursuing research in personal areas of interest, and applying for independent funding will be highly encouraged.

Interested applicants should assemble the following: 1) letter of interest, 2) CV, and 3) list of references with contact information. The letter of interest should describe the candidate's current research experience, research interests, career goals, and a preferred start date. Please send the application as a single PDF file to maiselka@umd.edu with 'Postdoctoral Application' in the subject line. The position will remain open until filled.

The University of Maryland, College Park complies with all applicable federal and state regulations regarding nondiscrimination and affirmative action; all applicants will receive full consideration (<https://uhr.umd.edu/eoo/>).

Offers of employment are contingent on completion of a background check. A prior criminal conviction or convictions will not automatically disqualify a finalist from employment in the position.

The University of Maryland has made the safety of our students, faculty and staff, and our surrounding communities a top priority. As part of that commitment, the University System of Maryland (USM) recently announced that students, faculty, and staff on USM campuses this fall, including UMD, are required to be vaccinated against COVID. As a prospective and/or a new employee at UMD, you will be required to comply with the University's vaccination protocol. Proof of full vaccination will be required before the start of employment in order to work at any University of Maryland location. Prospective or new employees may seek a medical or religious exemption to the vaccination requirement at return.umd.edu and must have an approved exemption prior to the start of their employment. Failure to provide proof of vaccination or to obtain approval for a medical or religious exemption will result in the offer of employment being rescinded.