



JEWELL RESEARCH LAB
FISCHELL DEPARTMENT OF BIOENGINEERING
UNIVERSITY OF MARYLAND - COLLEGE PARK

Christopher M. Jewell

Associate Professor
5110 A. James Clark Hall
College Park, MD 20742
Tel: 301.405.9628 Fax: 301.405.9953
jewell.umd.edu

RESEARCH TECHNICIAN POSITION AT THE INTERFACE OF IMMUNOLOGY & BIOMATERIALS

Description of Research and Position

The Jewell Research Lab in the Fischell department of Bioengineering at the University of Maryland (UMD) – College Park has an opening for a technician to support lab operations at the interface of immunology, materials science, and bioengineering. These projects are funded by six external, multi-year grants. The overall goal of the lab is to understand the interactions between biomaterials and immune cells and tissues, and to exploit these interactions to generate therapeutic vaccines aimed at autoimmunity and cancer. We use biomaterials ranging from degradable polymers, to lipid carriers, self-assembled structures to achieve these goals. Our work involves cell and animal models, and incorporates tools from chemistry, engineering, and immunology. The lab currently consists of 15 members with backgrounds in engineering, biology, and chemistry. For more information please visit jewell.umd.edu.

The Jewell lab is located in [A. James Clark Hall](#), a state-of-the-art research and training facility that is home to the [Fischell Department of Bioengineering](#) and the [Robert E. Fischell Institute for Biomedical Devices](#). In addition to outstanding department resources and campus institutes, UMD is located near top government research and funding agencies (e.g., NIH, DOD, NSF, FDA). This proximity provides unique opportunities for research and career growth. Successful candidates will receive a renewable contract with opportunities for continual training and career advancement through a mutually-designed career development plan. Compensation will be based on experience and will include a competitive benefits package offered by UMD.

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.

Qualifications and Application Procedure

Duties for this position will include a range of activities to support the PI and lab members. These will include: i) assisting in benchtop experiments (e.g., flow cytometry, ELISA, gel electrophoresis, histology, microscopy, cell culture), ii) assisting in animal studies (e.g., treatments, disease monitoring, cell/tissue isolation), and iii) analyzing data to support experiments. Candidates should have a BS in bioengineering, molecular biology, immunology, animal sciences, or a related field. Candidates with MS degrees may also apply. The ideal candidate will have past research experience with one or more of the following areas: rodent handling or translational research, isolation of primary cells or tissue, flow cytometry and ELISA, microscopy and histology, or other core immunology and molecular biology techniques. However, training in all techniques will be available for excellent candidates and for continuing education.

Interested candidates should assemble a i) cover letter, ii) CV, and iii) list of 3 references. The cover letter should describe the candidate's experience, interest and expectations for the position, general salary expectations, and preferred start date. E-mail the application as a single PDF file to Dr. Xiangbin Zeng, Lab Manager (xzeng@umd.edu) with "Jewell Lab Technician Candidate" in the subject line.

Key dates

Candidate review: August-September 2018
Interviews: September 2018
Target start date: October 2018