



JEWELL RESEARCH LAB

FISCHELL DEPARTMENT OF BIOENGINEERING
UNIVERSITY OF MARYLAND - COLLEGE PARK

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LAB MANAGER POSITION AT THE INTERFACE OF IMMUNOLOGY AND BIOMATERIALS

The Jewell Research Lab in the Fischell Department of Bioengineering at the University of Maryland (UMD) – College Park has an opening for a full-time Lab Manager. This individual will have a critical leadership role in lab operations, as well as provide technical expertise to support studies at the interface of immunology, biomaterials, and immunotherapy. The Lab's goal is to understand the interactions between biomaterials and immune cells, and exploit these interactions for therapeutic vaccines targeting cancer and autoimmunity. The lab's projects are supported by 5 R01/R01-equivalent awards from the NIH and US Dept. of Veterans Affairs (VA), as well as grants from foundations and biotech companies. These efforts draw on a vibrant group of postdocs, students, and support staff, integrating tools from immunology, engineering, chemistry, and medicine. For more information visit jewell.umd.edu.

The Jewell Lab consists of over 2000 ft² of dedicated space in the state-of-the-art [A. James Clark Hall](#). Some of the equipment in the lab includes single cell RNAseq platforms, microfabrication and biomaterial synthesis instruments, flow cytometry, LED fluorescence dissection and fully automated video fluorescence microscopes, a laser diffraction particle analyzer, and others. The Jewell Lab contains an ABSL-2 cell culture facility, as well as multiple rooms in the newest campus vivarium, in Clark Hall. These resources are in addition to more than 20 core instruments housed in the [BioWorkshop](#) core instrument facility, the translational instrumentation suite in the Clark hall vivarium, and many other campus facilities. Research in the Jewell lab is enhanced by formal connections to the Greenebaum Cancer Center, US Dept. of VA, and University of Maryland Medical School. Additionally, UMD is located near top government research and funding agencies including NIH, FDA, DoD, NSF. This proximity provides unique opportunities for research, funding, and networking.



The successful applicant will receive a renewable contract with opportunities for continual training and formal career advancement, including increasingly senior titles/roles. The Lab is committed to development through individual plans, workshops, social events, and a commitment to Diversity, Equity, and Inclusivity (DEI). Compensation is approximately \$50,000-\$100,000 per year – depending on experience, in addition to a generous UMD retirement and benefits package.

Qualifications and Application Procedure

The duties for this position include: i) Manage ordering, budgeting, and inventory, ii) Manage laboratory training, safety, and compliance, iii) Provide experimental technical support (e.g., cell/tissue isolation and animal studies, ELISA/FACS/histology, data collection and analysis, iv) Manage animal protocols and related records, v) Oversee equipment and computer maintenance, vi) Coordinate lab meetings/events. A BS in bioengineering, biology, immunology, or a related field is required; MS or PhD candidates with laboratory management experience are encouraged to apply. The ideal candidate will have organizational skills, experience working in teams, and a willingness to learn. Experience with one or more of the following is also desirable: data/information management, rodent handling and/or breeding and maintaining animal colonies, PCR/FACS/ELISA/microscopy/histology, cell culture, primary cell/tissue isolation, translational research, other core molecular techniques, or HR and research administration. However, training is available for all candidates and all lab members are encouraged to develop new skills. Depending on performance, opportunities may also exist to become involved in proposal development/manuscript publication, or to pursue independent projects.

Interested candidates should assemble an application consisting of: 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. Christopher Jewell (cmjewell@umd.edu) with "Candidate for Lab Manager" in the subject line.

<u>Key dates:</u>	Candidate review:	July/August 2023
	Interviews:	July/August 2023
	Start date:	August/September 2023



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Additional information about employment at the University of Maryland

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.