



# JEWELL RESEARCH LAB

FISCHELL DEPARTMENT OF BIOENGINEERING  
UNIVERSITY OF MARYLAND - COLLEGE PARK

Christopher M. Jewell, PhD  
MPower Prof & Minta Martin Prof, UMD  
Research Biologist, U.S. Veterans Affairs  
E-mail: [cmjewell@umd.edu](mailto:cmjewell@umd.edu)  
Web: [jewell.umd.edu](http://jewell.umd.edu)  
Twitter: [@JewellBioe](https://twitter.com/JewellBioe)

## 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 6 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](http://jewell.umd.edu).

The Jewell Lab consists of over 2000 ft<sup>2</sup> of dedicated space in the state-of-the-art [A. James Clark Hall](#). Some of the equipment in the lab includes 10x Genomics single cell RNAseq platforms, flow cytometry, LED fluorescence dissection microscope, fully automated video fluorescence microscope with cell incubation, laser diffraction particle analyzer, and microfabrication instruments. The Jewell Lab contains an ABSL-2 cell culture facility, as well as multiple rooms in the newest campus vivarium, in Clark Hall in the state-of-art 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 career development through individual development plans, workshops, social events, and a commitment to Diversity, Equity, and Inclusivity (DEI). Compensation will be competitive and commensurate with experience, including a generous UMD retirement and benefits package.

### Qualifications and Application Procedure

The duties for this position include: i) Breed and maintain transgenic colonies, ii) Provide experimental technical support (e.g., animal studies, adoptive transfer, FACS/ELISA/histology, data collection and analysis, cell/tissue isolation), iii) Manage animal protocols and related records, iv) Manage laboratory training, safety, and compliance, v) Oversee equipment and maintenance, vi) Manage ordering, budgeting, and inventory, vii) Coordinate lab meetings/events. Candidate should have a MS or PhD in bioengineering, immunology, or a related field. Experienced candidates with a B.S. and/or relevant experience are also encouraged to apply. The ideal candidate will have experience with one or more of the following: rodent handling/breeding, translational research, PCR/FACS/ELISA/microscopy/histology, primary cell/tissue isolation, other core molecular techniques, or research administration. However, training is available for all candidates and everyone is 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](mailto:cmjewell@umd.edu)) with "Candidate for Lab Manage" in the subject line.

### Key dates

Candidate review: October 2022  
Interviews: October/November 2022  
Start date: November/December 2022



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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.

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 new employee at UMD, individuals 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](http://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.