



FISCHELL DEPARTMENT OF BIOENGINEERING

POSTDOCTORAL ASSOCIATE POSITION IN ENGINEERED LIVING MATERIALS

Position Description:

The Molinari Lab in the Fischell Department of Bioengineering at the University of Maryland (UMD) – College Park has an opening for a full-time Postdoctoral Associate position. We're seeking a highly self-motivated individual to join our team's mission of developing living materials from bacteria for novel therapeutic applications. The Molinari Lab is a multidisciplinary environment where molecular and synthetic biology closely interacts with protein engineering and material science. To learn more, visit our website: <https://molinari.umd.edu>.

In this role, the selected candidate will take a significant leadership position, shaping and executing projects while also contributing to grant writing and manuscript preparation. The Molinari Lab occupies around 1000 ft² of dedicated space within the cutting-edge A. James Clark Hall. This space is equipped with state-of-the-art molecular biology instruments. Additionally, we have access to over 20 core instruments in the BioWorkshop core instrument facility, as well as the translational instrumentation suite in the Clark Hall vivarium, and other campus facilities. Proximity to key government research and funding agencies such as NIH, FDA, DoD, and NSF enhance our research efforts. This opens doors to unique opportunities for research, funding, and networking. The successful applicant will be offered a renewable contract with continuous training and avenues for formal career growth. The lab's principal investigator is committed to providing personalized guidance and support tailored to individual goals, as well as promoting Diversity, Equity, and Inclusivity (DEI). Compensation for this role is based on the NIH funding guidelines. This package also includes an attractive UMD retirement plan and comprehensive benefits.

Job Duties:

- Designing new experimental approaches for the assembly and characterization of living materials.
- Participating in laboratory group meetings.
- Conducting literature searches, writing manuscripts, and contributing to grant submissions and the occasional journal reviews.
- Training and supervising less experienced research staff (graduate and undergraduate students).
- Overseeing the maintenance of lab equipment and lab environment.
- Performing other job-related duties as assigned.
- Attending and presenting research at annual conferences.

Minimum Qualifications:

- Ph.D. in Molecular Biology, Microbiology, Synthetic Biology, or related field.
- No previous postdoctoral experience is required.

Preferred Qualifications:

- Former training or experience in synthetic biology.
- Strong communication and writing skills.

How to Apply:

The application should include:

- A cover letter,
- CV or resume,
- list of 3 references.

The cover letter should describe the candidate's previous experience, interest and expectations for the position, and preferred start date. E-mail the application as a single PDF file to Dr. Sara Molinari (saramol@umd.edu) with "Candidate for Postdoctoral Associate" in the subject line.

Offers of employment are contingent on completion of a background check. Information reported by the background check will not automatically disqualify you from employment. 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.