The Department of Biomedical Engineering at the University of Virginia seeks highly motivated postdoctoral Research Associates to lead multidisciplinary systems biology projects in the laboratory of Dr. Sepideh Dolatshahi. Our Systems Immunology laboratory is active primarily at the interface of systems and synthetic biology, immunology, and bioengineering. Research in the lab is built on our multidisciplinary experience in combining computational biology – data-driven, machine learning and kinetic modeling – with integrative experimental immunology to understand the fundamental mechanisms of immune regulation and dysregulation, with an ultimate objective of identifying strategies to improve immunotherapies and vaccines. The project will fall under one of two main umbrella focus areas; (1) cancer systems immunology, and (2) neonatal-maternal systems immunology. Research in the Dolatshahi lab benefits from proximity to the UVA hospital and active collaboration with leaders in UVA Cancer Center, Carter Immunology Center and the division of Fetal-Maternal Medicine at UVA. Candidates with strong background in molecular and cellular biology/immunology (or a related discipline) and interest in learning computational methods are particularly encouraged to apply. Candidates with bioengineering or systems biology background and previous wet-lab experience are also strongly encouraged to apply. For more information visit Dolatshahi lab homepage at: https://engineering.virginia.edu/faculty/sepideh-dolatshahi

Applicants should be familiar with performing literature search/review, designing and executing experiments from concept; be creative in statistical and inferential analysis of data and report in figures and text; prepare suitable oral / poster conference presentations, journal articles and grant text segments. Reproduce results from research papers – where necessary/feasible and maintain high quality written and electronic records – including reliable backup.

**QUALIFICATION REQUIREMENTS:** Candidates must have a Ph.D. degree in Biomedical Engineering, immunology, computational/systems biology or a closely related discipline.

The successful applicant will have a tangible track record as assessed by first author publications, awards or fellowships. The applicant should ideally have a track record of independent ideas / inventions taken from concept to validation and reporting.

This is a one-year appointment; however, the appointment may be renewed for an additional two, one-year increments, contingent upon available funding and satisfactory performance.

Priority review of applications will begin on October 16, 2020, but the position will remain open until filled.

**TO APPLY:**
Please apply through Workday at the following URL, [https://uva.wd1.myworkdayjobs.com/UVAJobs](https://uva.wd1.myworkdayjobs.com/UVAJobs), and search for requisition # R0018659. Complete an application online and attach a cover letter, CV/resume, and contact information for three references (name, email address, telephone number, and address). The successful candidate will pass a criminal background check. Please note that multiple documents can be uploaded in the box.

For questions regarding this position, contact Sepideh Dolatshahi, Assistant Professor, at sdolatshahi@virginia.edu.

For questions regarding the application process, contact Michelle Williams, Faculty Search Advisor, at mew8js@virginia.edu.

Charlottesville is a pleasant college town with a high quality of life in terms of both city and outdoors/nature experiences. The UVA Biomedical Engineering department is a dynamic and successful enterprise that is well supported by a $25M Coulter Partnership Endowment.

*The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician’s Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person’s perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.*