The University of Virginia’s Cardiac Systems Biology Lab, directed by Dr. Jeff Saucerman, seeks a Postdoctoral Research Associate to develop computational models of cardiac signaling and gene regulatory networks. The Cardiac Systems Biology Lab integrates experimental and computational approaches to identify molecular networks that mediate cardiac remodeling and heart failure. The Research Associate will develop methods for integrating transcriptomic, proteomic, and phenotypic data from human iPSC-derived cardiac myocytes into predictive network models. These methods will be applied to identify mechanisms and mitigators of drug cardiotoxicity.

Candidates must hold a PhD in Biomedical Engineering or a closely related field by the start date and lead-author publications in computational systems biology or bioinformatics. Candidates must also have strong communication skills and the ability to work both independently and as part of a collaborative team. Prior experience in mammalian cell signaling, modeling of biological networks, transcriptome bioinformatics, and MATLAB/R/Python programming is preferred. Some experience with experimental cell biology, signaling or functional genomics is also preferred.

To apply, visit https://jobs.virginia.edu and search on Posting Number X. Complete a candidate profile online; attach a CV, cover letter, and contact information for three references. The position will remain open until filled. For a description of the lab’s overall research interests, visit http://bme.virginia.edu/saucerman/. For questions about the position, please contact Dr. Jeff Saucerman via email at jsaucerman@virginia.edu.

The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.