



THE UNIVERSITY of TEXAS

HEALTH SCIENCE CENTER AT HOUSTON

SCHOOL OF HEALTH INFORMATION SCIENCES

7000 Fannin Street, Suite 600  
Houston, Texas 77030

713 500 3900  
713 500 3907 fax

## Postdoctoral Position in Computational Systems Biology

*Accepting Applications for Immediate Appointment*

---

Looking for a challenge at the cutting edge of science? The newly formed Center for Systems Biology and Bioinformatics is looking for innovative people with skills in proteomics, statistics and systems modeling for a postdoctoral fellowship in computational systems biology. The Center will be developing state-of-the-art mass spectrometry and proteomics experimental capabilities and novel analytical strategies to probe protein diversity in cancer and inflammation with a focus on the systems biology of the myeloid lineage from stem cells to mononuclear phagocytes.

### **Duties:**

The Research Fellow will develop a focused independent project using novel analytical strategies for the interpretation of tandem mass spectrometry data, molecular interaction networks and the systems biology of mononuclear phagocytes and their precursors. The Fellow will be responsible for data modeling and statistics, database design, and model validation. The Fellow will prepare manuscripts and presentations and will present regularly at group and Center meetings. The Fellow will assist the principal investigator in mentoring graduate and undergraduate students and will assist in the management of a software development team. The Fellow assist the PI in grant and manuscript preparation.

### **Desired Qualifications:**

Research experience in statistics and scientific programming. Knowledge of mass spectrometry and proteomics data analysis. Familiarity with database design and database implementation. Knowledge of Java, R and SQL. Knowledge of molecular cell biology and biomedical research. Excellent communications skills. Ability to work independently and to mentor students and trainees. Ability to work with laboratory personnel in designing experimental strategies and the analysis of experimental data.

### **Minimum Qualifications:**

Ph.D. or equivalent in a relevant discipline such as bioinformatics, biostatistics, physical chemistry biophysics or computer science. Track record of academic productivity.

**Salary:** NIH post-doc salary scale (Available at: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-057.html>)

**Please submit:** Statement of interest and description of past research experience, CV, 3 references who are familiar with the candidates research experience and a transcript from the candidates institution granting their terminal degree(s).

**Person to contact:** Dr. David States  
Visiting Professor  
The University of Texas Health Science Center at Houston  
School of Health Information Sciences and  
The Institute of Molecular Medicine

**Surface mail address:** 1825 Pressler Street, Suite 437C  
Houston, Texas 77030

**Email address:** [dstates@umich.edu](mailto:dstates@umich.edu)

**Phone number:** 713-500-3853

**Fax number:** 713-500-3907

*The Center for Systems Biology and Bioinformatics is located in the Brown Foundation Institute for Molecular Medicine at the University of Texas Health Science Center at Houston. The CSBB is a collaborative center between the IMM and the School of Health Information Sciences led by Drs. David States and Angel Lee. Fellows in the CSBB will have rich opportunities for scientific interaction and access to academic resources across the Texas Medical Center.*