Postdoctoral positions are available in the Laboratory of Statistical Artificial Intelligence and Integrative Genomics (SAILING) within the School of Computer Science and Lane Center of Computational Biology, Carnegie Mellon University, headed by Professor Eric Xing.

We are seeking outstanding postdoctoral candidates from machine learning, statistics, population genetics, and computational biology, to work on several newly funded projects in these areas, including (but not restricted to): 1) Developing new methodologies and theories for learning high-dimensional structured regression models in the context of Genome-Transcriptome-Phenome-Wide Associations in complex diseases; and performing empirical systems biology analysis on SNP, microarray, and complex phenotype data. 2) Developing new methodologies and theories for Reverse Engineering and Exploring Time-Varying Gene Networks from time series data over Drosophila development & human disease progression. More details of the projects are available at http://www.cs.cmu.edu/~epxing/research2009.html; we encourage incoming postdocs to also explore other projects listed in this page, and initiate new projects.

The CMU SAILING Lab offers a highly energetic and inspiring interdisciplinary environment for working on a wide range of challenging theoretical and application problems in statistical learning and computational biology. We work closely with clinical and biological laboratories in the School of Medicine, University of Pittsburgh, the University of Chicago, UC Berkeley, and other schools to address various problems of practical medical and biological interests. The successful candidates will have an opportunity to interact with world class researchers in all the areas mentioned above and beyond, and she/he will find Pittsburgh a pleasant place with rich cultural and recreational resources yet easy and quiet living environment. We also offer a competitive salary and benefits.

The ideal candidates should have a strong track record of research in machine learning, statistical genetics, and computational systems biology, evidenced by high quality publications; be able to communicate and work with collaborating student/postdocs and external PIs; and be able to carry out research and develop ideas independently. Good programming skill and solid statistics/math background are highly desirable.

Contact Information
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How To Apply:
Send curriculum vitae, contact information of three references, and a research statement to: michelle324@cs.cmu.edu
Postal mail should also be sent to:
Prof. Eric Xing @ CMU
http://www.cs.cmu.edu/~epxing/