The Computational Bioinformatics and Bioimaging Laboratory (CBIL) of the Bradley Department of Electrical and Computer Engineering at Virginia Tech (Virginia Polytechnic Institute and State University) currently has two openings for Research Scientist starting fall 2005. The CBIL is strategically located near the large biomedical research cluster in the Metropolitan Washington, DC, and a sizable number of federal agencies, biomedical laboratories, and medical centers including Georgetown University Medical Center, Children’s National Medical Center, Johns Hopkins Medical Institutions, Howard Hughes Medical Institute’s Janelia Farm Research Campus, and National Institutes of Health.

We are seeking highly qualified and motivated candidates in the areas of: (1) comprehensive characterization of gene expression patterns; and (2) modeling and reconstruction of signaling pathways and gene regulatory networks.

Candidates must have a Ph.D. degree in electrical and computer engineering or related areas, e.g., automation and control, biomedical engineering, applied mathematics, theoretical physics, and computer science. Applicants should have solid background and/or experience in, some but not necessarily all, the areas of: (1) computational biology; (2) computational bioinformatics; (3) statistical signal processing; (4) machine learning; (5) statistical pattern recognition; and (6) mathematical theory of system modeling.

Please send resume, publications/thesis abstract, transcripts, statement of research interest, and the names and contact information of at least two references to Dr. Jason Xuan at xuan@cua.edu, or Dr. Joseph Wang at yuewang@vt.edu.

More information about CBIL and the Department can be found at http://www.cbil.ece.vt.edu and http://www.ece.vt.edu