Three postdoctoral research fellowships are available in the research group of William Stafford Noble in the Department of Genome Sciences at the University of Washington in Seattle, WA. The ideal candidate will have a Ph.D. in computer science or a biological science, and will have considerable research experience in machine learning or computational biology.

The group's research focuses on the development of machine learning techniques for application to molecular biology and genetics. Research areas include the prediction of gene function from heterogeneous data, prediction of protein-protein interactions, prediction of gene structures from genomic DNA, recognition of remote evolutionary relationships among proteins, and the discovery and analysis of transcriptional elements in non-coding DNA. More information is available at noble.gs.washington.edu.

Specific projects for which funding is available include the following:

- Study human regulatory elements identified via a new, high-throughput assay for detecting sensitivity of DNA to the endonuclease DNaseI.
- Predict protein function and protein-protein interactions in yeast by learning from multiple genome-wide data sets.
- Develop methods for the analysis of large data sets of tandem mass spectra.

Start dates are flexible.

The Department of Genome Sciences was founded in September 2001 as the fusion of the Departments of Genetics and Molecular Biotechnology. Research in the department addresses questions in biology and medicine by developing and applying genetic, genomic and computational approaches that take advantage of genomic information. Eight faculty are members of the National Academy of Sciences, including 2001 Nobel Prize winner Dr. Lee Hartwell. The department welcomed a new chair, Dr. Bob Waterston, in January 2003. In April 2006, the department will move to a new building.

The University of Washington is consistently ranked as one of the top research universities in the country and has more than 25,000 undergraduates and 9,000 others enrolled in its professional and graduate programs. Seattle is considered one of the nation's most beautiful and livable cities, boasting an array of cultural activities, parks, sports teams and restaurants, and serving as the gateway to National Parks and Forests, as well as boating, skiing and hiking areas.

The University of Washington is building a culturally diverse research community and strongly encourages applications from female and minority candidates. The University of Washington is an Equal Opportunity, Affirmative Action employer.

Please send a CV, summary of scientific interests, and names of at least three references to Linda Loveless (llov@u.washington.edu).