POSTDOCTORAL FELLOWSHIPS IN BIOINFORMATICS

Harvard Medical School

Applications are invited from those with excellent bioinformatics training and communication skills to work in the laboratory of Prof. Peter Park at Harvard Medical School. The long-term goal of the laboratory is to understand epigenetic regulation through computational analysis of genomic data. In addition to methodological work, we are involved in large consortium projects and a number of other exciting collaborations with experimentalists. For more information about the lab, please see http://compbio.med.harvard.edu

Examples of current projects:

1) Development of computational methods for detecting genomic alterations in whole-genome sequencing data.
2) Integrative analysis of multiple data types in cancer genomics, as part of the Cancer Genome Atlas project (http://www.cancergenome.nih.gov).
3) Analysis of chromatin modifications in embryonic and induced pluripotent stem cells.
4) Epigenetic regulation in cancer, especially with respect to nucleosome positioning and chromatin modifications.

For each project, the successful candidate(s) will have an opportunity to work on new data sets generated by our collaborators and various national consortia. The Harvard Medical area is one of the most exciting places in the world for biomedical research and there is ample opportunity for collaborative work with biologists.

An ideal candidate will have a Ph.D. in a quantitative field and have substantial experience in bioinformatics. Excellent programming skills are essential and experience with R is a plus. A strong command of molecular biology is a big plus but those with an outstanding record in a quantitative field may be considered. Exceptional researchers in bioinformatics with interests not specifically mentioned above are encouraged to apply.

Please send your CV, a statement of research interests, pdfs of your three best papers, and a list of three references to peter_park@harvard.edu with '[POSTDOC]' and your name in the subject line. Graduate student positions are also available but only for students already enrolled in a graduate program at Harvard, MIT, or Boston University.