There is a **computational research assistant position** available in the laboratory of Prof. Martha Bulyk. The lab is located in the Division of Genetics at Brigham & Women's Hospital, part of the Harvard Medical School research community in Boston, MA.

Transcription factors regulate gene expression through DNA regulatory elements located in the noncoding portions of the genome. Discovery of the sequence features of DNA regulatory elements is essential for understanding how gene regulation is encoded in genomes. We are looking for an enthusiastic individual to perform research in computational genomics, including analysis of high-throughput experimental genomics data, development of new algorithms, programming efficient code, and benchmarking comparisons of software, for studies of transcriptional gene regulation in animal genomes.

This position offers a stimulating academic environment, opportunities to collaborate with biologists in a team setting, opportunities to gain valuable written and oral communication skills, and the possibility for co-authorship on publications. This position provides an excellent opportunity to be involved in cutting-edge research in genomics and to learn about experimental biology, while working on computational projects. Salary negotiable based upon work experience.

B.S. and/or M.S. in Computer Science, Bioinformatics, or related field is required. Applicants with a bachelor's degree in another area of concentration may be considered if the applicant has had significant coursework in the sciences and has the required skills and prior work experience. Strong background in mathematics, statistics, molecular biology, and DNA sequence analysis are required. Background and coursework in genomics and gene regulation are preferred. Prior experience working with *Drosophila* and/or mammalian genome sequences is strongly preferred. Must be proficient in Linux/Unix, Perl, C/C++, Java, and bash scripting. Prior experience in Python, R or MATLAB is preferred. Must have prior experience in the software engineering life-cycle: data modeling, process modeling, prototyping, testing, release and maintenance, including change management, version control and release processes (familiarity with CVS and related tools). Must possess good analytical and organizational skills, strong troubleshooting and creative problem-solving skills, and the ability to work in a team setting on collaborative projects. At least 1 year of work experience and a flexible work schedule are required. Fluent command of spoken and written English is absolutely required.

To apply for this position, please email a cover letter, CV, and contact information for 3 references to: mlbulyk@receptor.med.harvard.edu

Please be sure to indicate whether visa sponsorship would be required.