



April 12, 2021

Applications are invited for a postdoctoral fellow position in human evolutionary and/or reproductive genomics.

The postdoc will join a research group led by Rajiv McCoy in the Department of Biology at Johns Hopkins University. Our lab develops computational and statistical methods to investigate the functional and fitness effects of human genetic variation. We are also interested in the evolutionary mechanisms by which such variation persists in nature. Within this scope, specific research topics include the origins of aneuploidy, the leading cause of pregnancy loss. A second research direction focuses on human evolution, with a particular interest in revealing signatures of selection on classes of variation and regions of the genome that are difficult to resolve with short-read sequencing data.

The postdoc will be supported in developing new research directions broadly consistent with these themes. In addition to research, opportunities are available to gain experience in teaching and mentoring. The postdoc will also receive guidance and support for career development, tailored to long-term goals.

Johns Hopkins offers an exceptional environment for research and training in computational and statistical genomics, with strong interaction among genomics research groups across schools and departments. The Department of Biology further hosts cutting-edge research in molecular biology, cell biology, developmental biology, and biophysics, providing many opportunities for collaboration.

Qualifications:

- Ph.D. in genomics, computer science, or a related quantitative field
- Experience in computational and statistical analysis of large datasets
- Record of research productivity, including publication
- Proficiency in scientific writing and communication

Application materials:

- CV (preprints encouraged for submitted work)
- Description of past and future research interests
- Contact information for three references, upon request

Johns Hopkins University is committed to active recruitment of a diverse faculty and student body. The University is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members. Consistent with the University's goals of achieving excellence in all areas, we will assess the comprehensive qualifications of each applicant.

The position is open immediately until filled, though the start date is flexible. Applications, questions, and **informal inquiries are welcome** and should be directed to Rajiv McCoy <rajiv.mccoy@jhu.edu>. Please contact Rajiv by May 14th for full consideration.

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