



UNIVERSITY *of* MARYLAND
SCHOOL OF MEDICINE
INSTITUTE FOR GENOME SCIENCES

**POSTDOCTORAL POSITION
BIOINFORMATICS & HUMAN MICROBIOME RESEARCH**

The Institute for Genome Sciences at the University of Maryland School of Medicine encompasses an inter-disciplinary, multi-departmental team of collaborative investigators with a broad research program related to the genomics of infectious diseases, human microbial metagenomics, functional genomics, and bioinformatics.

TWO POSTDOCTORAL FELLOW positions are currently opened at the Institute for Genome Sciences for collaborative projects between Drs. Jacques Ravel and Rebecca Brotman. Qualified candidates will be enthusiastic, highly motivated and interested in studying the role of the human microbiome in relation to women's health. The research in this position will focus on how the vaginal microbiome provides protection from sexually transmitted infections (STIs) and in the development of bacterial vaginosis (BV). Projects will apply computational, statistical and bioinformatics approaches on multi-omics' datasets such as genome sequences, metabolomics, metagenomics, and metatranscriptomics.

The ideal applicant will possess a demonstrable understanding of bioinformatics and computational biology with a background in molecular biology, microbial ecology, statistics and/or molecular epidemiology. The candidate will have a doctoral degree in Genetics, Biology, Microbiology, Computer Science or a related field. Programming and statistical skills in languages such as Perl, Python, C/C++ and R, though not essential, are a plus.

Postdoctoral fellows at IGS benefit from a community of interactive research labs, bioinformatics experts and a variety of state of the art sequencing, and computational resources in a world-class institute dedicated to genomic, basic, and translational research.

To apply, please send a CV, a statement of research interests (2 pages maximum), and contact information for three references to IGS-jobs@som.umaryland.edu.

Additional inquiries about the position can be sent to Drs. Jacques Ravel and Rebecca Brotman:

javel@som.umaryland.edu

rbrotman@som.umaryland.edu