

BWH Fellowship in Microbial Genomics

PhD or MD/PhD-trained microbiologist, with preference for individuals who have had ClinMicro training. The fellow will analyze transposons and conjugative plasmids that transmit carbapenemases and other gene-cassettes where a single vector can transmit a highly drug-resistant phenotype to a naive recipient. Studies will use NGS, bioinformatic and functional analyses to define host range of novel vectors, mechanisms of spread, and conditions that promote or inhibit horizontal gene transfer. Findings will support parallel efforts at NCBI, the FDA Center for Food Safety and Nutrition (CFSAN), and with infection control teams from participating hospitals on use of this information in patient care and for national surveillance.

The position offers unique opportunities to work directly with world-class investigators in microbiology, microbial genomics, computational biology and medical informatics, and to develop cutting-edge tools with direct application to patient care.

Prospective candidates can send a CV with a cover letter to:

Dr. Lynn Bry
Email: LBRY@BWH.HARVARD.EDU

<https://careers.massbio.org/job/microbiology-fellow/37533844/>