The Jost laboratory in the Department of Microbiology at Harvard Medical School is seeking postdoctoral fellows to join our efforts in studying the biology of the human microbiome. The candidate would join a new lab with a growing team and be exposed to a diversity of interdisciplinary projects and potential collaborations with other laboratories at Harvard Medical School.

We strongly encourage members of underrepresented backgrounds to apply. Our lab prioritizes inclusion and diversity and seeks to foster an environment in which everyone feels welcome and can thrive and succeed.

We are broadly interested in defining the molecular mechanisms of host-microbiome interactions using a combination of state-of-the-art CRISPR technologies, advanced cell culture models, and an interdisciplinary set of focused approaches from microbiology, immunology, chemical biology, and other disciplines. The candidate would have flexibility in joining an existing project or pursuing a new project within the broad scope of interests of the lab. Current projects in the lab focus on identifying receptors for bioactive small molecules from the microbiome and defining mechanisms of immune recognition of commensal microbes and communication between commensal microbes and the enteroendocrine system.

Applicants should hold, or soon expect to hold, a Ph.D. and/or M.D. degree in microbiology, immunology, chemical biology, molecular biology, cell biology, biochemistry, genetics, or a related field and have a track record of innovative work in basic or translational research. Prior experience in any of the following areas would be a plus: CRISPR screening, growth and genetic manipulation of microbiome bacteria, gnotobiotic mouse models, T-cell immunology, organoid culture.

Please send a cover letter, CV, and three reference letters by email to marco_jost@hms.harvard.edu.