

Postdoctoral Associate

Job Description

Working at The Forsyth Institute offers opportunities, an environment, a culture, and benefits that aren't found anywhere outside the Boston/Cambridge area. If you are curious, motivated, and excited to be part of a unique community helping to shape the future, then you will want to take a close look at this opportunity.

The Bor Lab at The Forsyth Institute is seeking an exceptional candidate to join a group whose work is investigating the mechanism of bacteria-bacteria interaction and pathogenesis of human Saccharibacteria (TM7). This novel phylum of ultrasmall bacteria falls under the newly discovered lineage of bacteria that accounts for >25% of all bacterial diversity, referred to as Candidate Phyla Radiation. Saccharibacteria grows on host bacteria, creating an extremely intimate interaction, and are highly associated with inflammatory diseases such as periodontitis and inflammatory bowel disease. The successful candidate will work with the group to identify the molecular mechanisms driving these interactions using a wide array of tools from molecular biology and bacterial physiology to tissue culture and animal models. More information can be found on our website at <https://www.forsyth.org/labs/bor-lab/>. The successful candidate will be funded by NIH and have appointments at both The Forsyth Institute and Harvard School of Dental Medicine.

Skills and Competence Required:

- Ability to analyze and interpret datasets & communicate data in a clear and concise manner
- Expertise in molecular biology techniques (e.g., PCR, plasmid amplification, cloning, culture of microorganisms)
- Ability to work in a team environment, meet deadlines, and prioritize and balance work from multiple colleagues
- Excellent communication and time management skills
- Independently motivated, detail orientated, and having good problem solving ability

Basic qualifications:

- PhD or equivalent in Microbiology, Biology, Molecular Biology, Immunology, Biochemistry, Bioinformatics, or related fields

Preferred qualifications:

- Direct hands-on experience in bacterial mutagenesis, Gibson assembly, and Tn-seq library preparation and screening
- Knowledge of and experience with various microscopy techniques
- Experience with bioinformatics is a plus

Apply at Forsyth.org OR email statement of interest and curriculum vitae to bbor@forsyth.org

