

The Bhatnagar lab is seeking a Ph.D. student to join the lab in the Fall of 2023. Projects are focused on the ecology and biochemistry of microorganisms in the environment, specifically the impact of year-round climate change on soil microbial communities and activity using multi-omics data from the field-based Climate Change Across Seasons Experiment (CCASE: <http://hbrook-dev.sr.unh.edu/research/climate/templer.shtml>) at the Hubbard Brook Experimental Forest. Students will have the opportunity to become proficient in molecular, ecological, and mathematical approaches to study root and soil microbes - particularly fungi - in laboratory and field systems.

The Bhatnagar lab is located on the Charles River Campus at Boston University, where we interact with a variety of research programs spanning the Department of Biology, the Department of Chemistry, and the Department of Earth and Environment. In addition to the graduate program in the Department of Biology, the College of Arts and Sciences hosts a number of interdisciplinary graduate research programs that span departments, including the Molecular and Cell Biology and Biochemistry program, the Biogeosciences program, and the Bioinformatics program.

Applicants with a background in ecology, biogeochemistry, bioinformatics, molecular biology, mycology, and/or microbiology are encouraged to apply. I am particularly interested in prospective students who would like to work in my lab through the BU URBAN Graduate Program in Biogeoscience and Environmental Health. Learn more here: <https://sites.bu.edu/urban/apply/bu-urban-cluster/>. My lab embraces diversity in experience and thought and we strive to increase the inclusion and equity of diverse people in our work and in STEM. Read about my lab's diversity and inclusion policy here: <https://microbesatbu.wordpress.com/diversity-and-inclusion/>

Interested candidates should contact Jenny Bhatnagar via email (jmbhat@bu.edu) with information about their previous experience and their interest in joining the lab. Information about the BU Department of Biology Graduate Program, including graduate admissions deadlines, can be found here: <http://www.bu.edu/biology/graduate/>