

Microbiology

Overview

The Graduate Group in Microbiology is composed of 53 faculty from diverse departments, colleges, and schools (Plant and Microbial Biology; Molecular and Cell Biology; Public Health; Civil and Environmental Engineering; Chemical and Biomolecular Engineering; Environmental Science, Policy, and Management; Nutritional Sciences and Toxicology; Optometry; Integrative Biology). It is administered by the Department of Plant and Microbial Biology. The Graduate Group in Microbiology awards the PhD degree in Microbiology. Students have access to diverse disciplines through an integrated program of study that allows each student to pursue specialized interests. Additionally, students gain a breadth of understanding of microbiology from the molecular to the cellular levels of organization, as well as the interactions of microbes — beneficial and pathogenic — with other organisms.

Faculty in the Graduate Group in Microbiology have research interests in four broad areas: ecology and evolution, genetics and development, physiology and biochemistry, and host-microbe interactions. The research of many faculty spans more than one of these categories. In addition, the research goals vary from addressing fundamental questions in biology to applied studies in the control or use of microbes. Some faculty conduct research on both fundamental and applied topics.

Undergraduate Program

Microbial Biology (<http://guide.berkeley.edu/archive/2018-19/undergraduate/degree-programs/microbial-biology>): BS

Graduate Program

Microbiology (<http://guide.berkeley.edu/archive/2018-19/graduate/degree-programs/microbiology>): PhD