

F26.27 Hunting for microbial predators

In this project, students will support research activities related to the isolation of microbial predators - more specifically, predatory bacteria (imagine a bacterial vampire) and bacteriophages, from diverse environmental samples. These predators will be tested against our existing collection of bacterial isolates (the prey).

What the student will DO and LEARN

The students will learn aseptic techniques for culturing and isolating microbes using protocols for Biosafety Level 2 microbes. Here students will work on maintaining our existing microbial cultures, and hunt for the microbial predators using similar culturing techniques. They will also extract DNA and contribute to DNA sequencing data analysis.

Additional benefits

Every day, mentorship from the PI, PhD students, and Postdoc.

Additional qualifications

N/A

Time commitment

6 hrs/week for 30 weeks