

2017-2018 SuperUROP Program Description and Expectations

Center for Microbiome Informatics and Therapeutics

<http://microbiome.mit.edu/get-involved/#superurop>

The Microbiome SuperUROP program seeks to create a deep, sustained, and productive research experience for participating students, preparing them for grad school or industry. Students perform research for at least 1 academic year, receive instruction and experience in technical communication and other research skills, and are expected to produce some kind of publishable work by the end of their experience.

The Microbiome Center SuperUROP additionally promotes **translational research**, and **participation in the larger Microbiome Center community**. This includes the potential to work with non-MIT labs at Massachusetts General Hospital, the Broad Institute, and other affiliates of the Microbiome Center.

Participating students must...

1. Have previous scientific research experience (e.g., UROP or other internship).
2. Work in their SuperUROP lab for at least 1 academic year.
3. Take a course in "Preparation for Undergraduate Research" (6.UAR)
 - a. *Representative course material:* selecting projects/research topics, entrepreneurship, ethics, technical communication skills (posters, proposals; reading, critiquing, & writing scientific literature).
4. Produce a concrete deliverable by the end of the SuperUROP, e.g.,
 - a. Write a paper (if not publishable, at least to the standard of a senior thesis)
 - b. Complete an analysis of a publicly available microbiome-relevant dataset
 - c. Produce a prototype
5. Participate in the Microbiome Club.
6. Write at least one blog post for the Microbiome Center blog (<http://microbiome.mit.edu/blog/>).
7. Present a poster at the spring Microbiome Symposium.

Students receive...

1. Stipend (\$3000/semester, \$6000 for full academic year) OR course credit
2. Certificate in Advanced Undergraduate Research
3. "Undergraduate Research and Innovation Scholar" title