




MACROBES **FOR** **M**ICROBES

Microbiome Center Bootcamp
August 7th
Presented by:
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@caylonyates 

Who?

- Graduate students, undergraduate students, postdocs



PennState
Eberly College of Science



PennState
Huck Institutes of
the Life Sciences



PennState
College of Agricultural Sciences



PennState
College of the
Liberal Arts

Department of Biochemistry & Molecular Biology

Department of
Plant Pathology and
Environmental Microbiology

Department of Biology

ECOLOGY

Department of Food Science

Integrative and Biomedical Physiology

Department of Anthropology

Department of
Entomology

Department of
Ecosystem Science and
Management





President

Mary Smith
PhD Student
PPEM
Hockett Lab



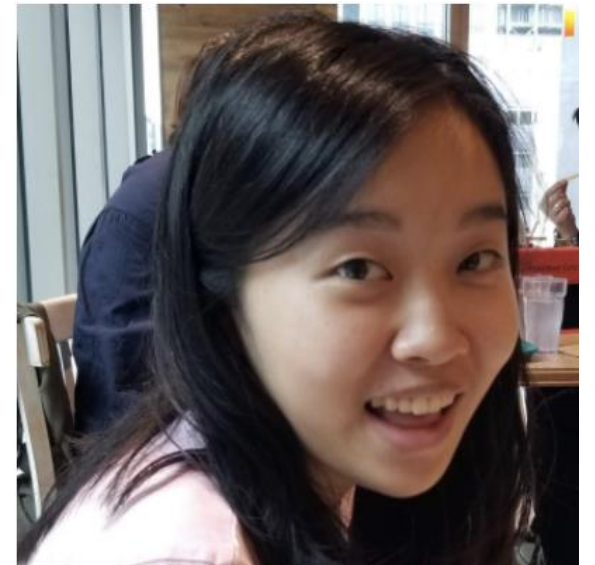
Vice-President

Caylon Yates
PhD Student
Ecology/PPEM
Bell Lab



Treasurer

Chad Fautt
PhD Student
Ecology/PPEM
Hockett Lab



Professional Development

Coordinator

Erica Ryu
PhD Student
Biology
Davenport Lab

Faculty Advisor: Dr. Tim Miyashiro

Executive Board/Committee/Council



A short history of Macrobes for Microbes

- First meeting: January 23rd 2020
- Officially established March 2020



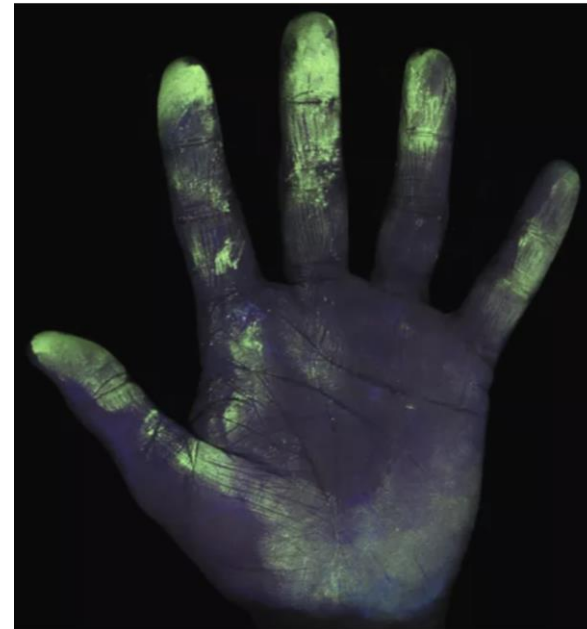
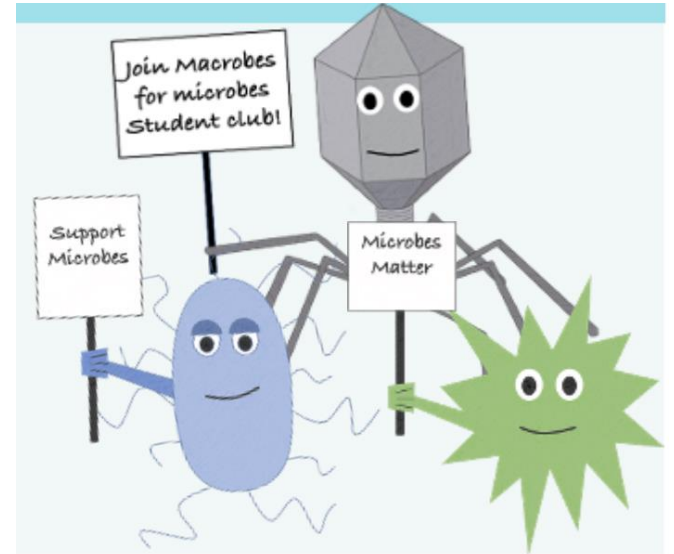
What do we do/ What are we planning?

- Outreach (K-12, Penn State community, general public)
- Workshops (Professional development, microbiome tools/techniques)
- Mentorship (grad -> grad, grad -> undergrad, undergrad -> grad)
- Not your advisor's journal club



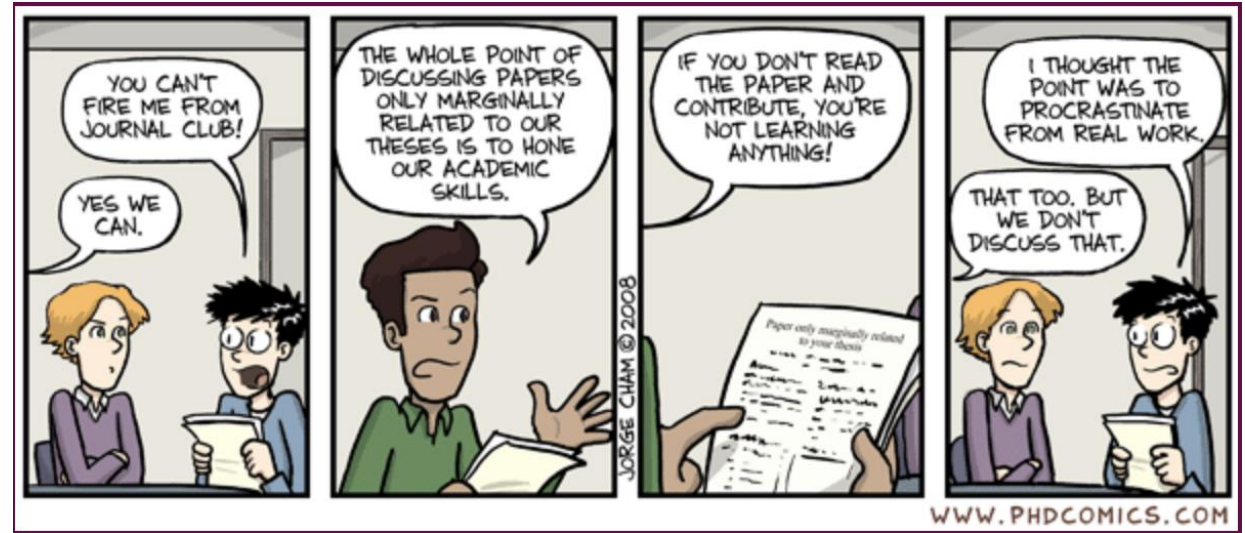
Outreach

- STEM Career Days – Penn State Harrisburg
 - *Getting down and dirty with the microbiome*
 - Partner with 5 area schools to raise awareness of STEM careers for 100 ninth graders
- Future possible events:
 - Exploration-U (Washington DC)
 - Penn State branch campuses



Not your advisor's journal club

- February: Dr. Mary Beth Leigh
(University of Alaska – Fairbanks)
- Discussion:
 - Anaerobic oxidation of methane by aerobic methanotrophs in sub-Arctic lake sediments
 - Work-life balance
 - Hobbies/activities outside of the lab



Conferences/Workshops

- As a recognized student organization we have access to money for conferences and workshops



MGM WORKSHOPS



AMERICAN
SOCIETY FOR
MICROBIOLOGY





Weyrich Lab
Ancient DNA
Journal Club

Connections

Graduate
organizations:

PPA

EGSA

EGSO

Science Policy Society

Phytobiomes
Journal Club





Undergraduates



Join us!



Mary Smith
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@bacteriawarfare



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MICROBES



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