RESEARCH OPPORTUNITY FOR FRESHMEN AND SOPHOMORES

SEA PHAGES hhmi Howard Hughes Medical Institute

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COURSE-BASED **U**NDERGRADUATE **R**ESEARCH **E**XPERIENCE (CURE)

- Timeline: One year long
- Audience: Students with little or no background in college-level biology (freshmen & sophomores)
- **Goal:** Students will participate in engaging, real-world research to discover viruses that infect bacteria, in hopes of identifying new therapies for diseases.
- Specific Project: Students in these courses will be part of the National Research group called SEA-PHAGES funded by the Howard Hughes Medical Institute (HHMI) – Read more about the program here <u>https://seaphages.org/</u>





BIOL 1000: Intro to Biology Research I

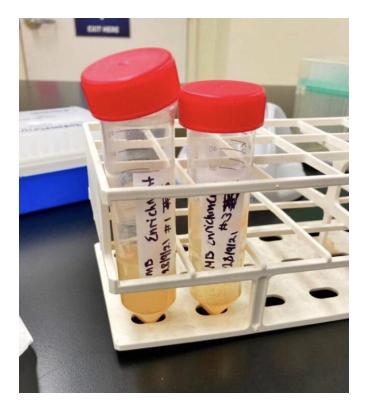
Participate in engaging, real-world research to discover viruses that infect bacteria, in hopes of identifying new therapies for diseases. NSU's BIOL 1000 and BIOL 1001: Introduction to Biology Research I/II, offer a unique twosemester laboratory course designed for freshman and sophomore students in any major.

(Pre-requisites include • MATH 1040 (or higher), COMP 1000)

Benefits

Academic

- 3 credit class (takes place exclusively in lab)
- Satisfies 2 ExEL credits



Research Experience

- Early exposure to innovative, scientific research
- Tools and techniques for microbiology, molecular biology, genomics and bioinformatics
- Opportunities to present research at local and national symposiums
- Potential to be a co-author on publications
 Find and name their own bacteriophages

Our Experiences

- This semester we are looking for phage that infects the bacteria, *Gordonia Rubripertincta*.
 - Our goal was to find at least 2 phages that infect *G*. *Rubripertincta* (the odds were around 1/5). Four people on our team found phage!
- There was contamination!



Our contact info

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