Bacteria versus Phage: The Main Event
Lightning Talks/Posters
January 10, 2024

1. Antani, Jyot - Yale University: Seeing is believing: A microscopy-based phage adsorption assay

2. Berryhill, Brandon - Emory University: An exploration of the role of phage in shaping the structure of the gut microbiome: What experiments and models tell us

3. Geng, Yuncong - University of Illinois Urbana-Champaign: Using population dynamics to count bacteriophages and their lysogens

4. GilGil, Teresa - Emory University: Bridging flasks and mice: The larvae of Galleria mellonella as a tool to study phage therapy

5. Hernandez, Catherine - Yale University: Temperature-dependent prophage dynamics impact the thermal responses of environmental bacteria

6. Lohrmann, Christoph - University of Stuttgart: Influence of bacterial swimming and hydrodynamics on infection by phages

7. Marino, Nicole - University of Pennsylvania: Translation-dependent downregulation of Cas12a by an anti-CRISPR protein

8. Martinez-Calvo, Alejandro - Princeton University: Pattern formation by bacteria-phage interactions

9. Martis, Stephen - Memorial Sloan Kettering Cancer Center: Eco-evolutionary feedback can stabilize diverse predator-prey communities

10. Nguyen, Thu Vu Phuc - University of Illinois Urbana-Champaign: Co-infecting phages impede each other’s entry into the cell

11. Pyenson, Nora - Yale University: Community ecology of phages on a clonal bacterial host

12. Sant, Duhita - Rutgers University: Microbial communities suppress the evolution of bacteriophage resistance

13. Valdez, Andrés – Penn State University: Large scale simulations of Phage against the (colony) machine

14. Vill, Albert - Yale University: Run-on sequencing reveals co-transcriptional processes in microbiomes

15. Williams, LaNell - Princeton University: The effect of increased capsid protein shells on bacteriophage MS2 infectivity