



PRINCETON CENTER FOR THEORETICAL SCIENCE

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# 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. **Gil-Gil, 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. **Martínez-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