

## 2025 SEA Faculty Meeting Poster Directory

Poster	Institution	Presenter	Title
1	Austin Community College Eastview Campus	Kissaou Tchedre	Student Reflections on the SEA-PHAGES Discovery Experience: Spring 2025 Cohort at Austin Community College
2	Baylor University	Jonathan Lawson	(fold)Seeking to Make Sense of Genome-Wide AlphaFold Data
3	Benedictine University	Tiara Perez Morales	Shouldn't You Be Blocking That Phage? Initial Characterization of Cluster AY and AS1 Lysogens in <i>Arthrobacter globiformis</i> B-2979
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6	Colorado State University- Pueblo	Amaya Garcia Costas	ParB-like nuclease from FH phage Prairie
7			
8	Emory University	Nic Vega	Lysogeny and prophage domestication in cluster AS3 phage Atlantica
9	Hope College	Joseph Stukey	An essential A1 immunity repressor gene in the F2 mycobacteriophage Soul22
10	Howard Hughes Medical Institute	Danielle Heller	Guidelines for Navigating Research Collaboration, Data Usage, Authorship, and Publication in the SEA
11	Illinois Wesleyan University	Rick Alvey	The Weird Phages We've Found Using Alternative Hosts over 10 Years
12	Kansas State University	Martha Smith- Caldas	Tips On How to Organize the Semester to Fit "Further Discoveries"
13	La Sierra University	Arturo Diaz	Functional Characterization and Protein Interaction Analysis of Mycobacteriophage Amelie's Toxic Gene 47
14	Lehigh University	Vassie Ware	Strategies for Building Scientific Competencies in Hypothesis Testing by Unraveling the Cluster Identity Puzzle of Newly Isolated Phages
15	Monmouth College	Eric Engstrom	Is Pham 210844 of EA1 Cluster Bacteriophages an ASCE Superfamily ATPase?
16	Montana Technological University	Marisa Pedulla	Isolation and characterization of bacteriophages infecting <i>Flavobacterium psychrophilum</i> strains isolated from westslope cutthroat trout- <i>Oncorhynchus clarkii lewisi</i>
17	Northwestern College	Sara Tolsma	Bactericidal or bacteriostatic? An experimental approach to distinguishing the two in the context of SEA-GENES cytotoxicity assays.
18	Nova Southeastern University	Julie Torruellas Garcia	Determining the Optimal MOI, Lysis Time, Post Lysis Growth Rate and Life Cycle of Novel <i>Gordonia rubripertincta</i> Phages
19			
20	Spelman College	James Melton	Integrating Oxford Nanopore Technologies (ONT) into the classroom to sequence phage genomes
21	Universidad Autonoma de Sinaloa	Jesús Ricardo Parra Unda	Bacteriophages against multidrug-resistant bacteria
22	University of Detroit Mercy	Jonathan Finkel	The Suspiciously Deadly Genes of the Bacteriophages Fred313
23			
24			
25			
26			

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27	University of Ibadan	Olubusuyi Moses Adewumi	University of Ibadan SEA-Phages Team: A Review of 7-Year Impact on the Phage Community
28	University of Louisiana at Monroe	Ann Findley	Branching Out: Extending SEA PHAGES Activities to Additional Laboratory Course Offerings
29	University of Maine, Honors College	Sally Molloy	Prophage-encoded WXG100 protein increases intrinsic antibiotic resistance and expression of whiB7 in <i>Mycobacterium chelonae</i>
30	University of Michigan-Flint	Maeve McLaughlin	Characterizing a novel N4-family Caulophages
31	University of Ottawa	Adam Rudner	Unlocking the Skin Microbiome: Isolating and Characterizing Skin-Sourced Bacteriophages for Phage Therapy
32	University of Ottawa	Liz Williams	Unveiling Bromden's secrets: the role of gp74 and gp75, a novel NAD <sup>+</sup> reconstitution pathway
33	University of North Carolina at Charlotte	Ellen Wisner	Riding the AI Wave: Where does Generative AI fit into SEA research?*
34	University of South Florida	Richard Pollenz	Genetic Analysis of Phages Lacking Putative 1TMD and 2TMD Lysis Genes Reveals that Both are Required for Efficient Host Lysis and that the 1TMD Protein Regulates the Lysis Event
35			
36	University of Pittsburgh at Greensburg	Sarah J. Swerdlow	SEA-crests to Success: Implementing SEA-PHAGES at a 4-Year College
37	Winthrop University	Victoria Frost	Missing Genes: Collaboration Found
38	Yale University	Mark Graham	Defining and Measuring College STEM Student Trust in Instructors
39	Western Kentucky University	Claire Rinehart	PECAAN a Phage Evidence Collection And Annotation Network
40	University of St Andrews	Susan Gurney	Vertical integration of phage discovery into the curriculum
41	Universidad Ana G. Mendez, Gurabo campus	Francisco J. Rivera-Figueroa	Discovery to Genomics: Expanding Research Opportunities Through SEA-PHAGES in Puerto Rico
42			
43			
44			
45			
46			
47			
48			