



NACMID 2025 Poster Session

Student Posters

| Poster | Title | Presenter |
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| S1 | Revolutionizing Bacterial Diagnostics: A Clinical Validation Study Using Oxford Nanopore Technologies Flongle Nanopore Sequencing | Chelsey Greer, Harvard University, Harvard Extension School |
| S2 | The Effect of Nutritional Supplement on Microbial Infection | Isaac Amao, University of Massachusetts, Lowell |
| S3 | The Host Microbial Sensor ELMO1 Control Mitochondria Damage and Mitochondria DNA Release | Baibaswata Saha, University of Massachusetts, Lowell |
| S4 | Resolving Auditory Ambiguity: Investigating the Role of the Midbrain Stimulus Selection Network in Barn Owl Sound Localization | Ananya Shukla, Ardsley High School |

Professional Posters

| Poster | Title | Authors |
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| N1 | Sample Preparation Method Development for a Phenotypic Antibiotic Susceptibility Test | Stephanie Delzell, Komal Kakar, Mitchell Wong, Mark Fiandaca, Emily Melzer, Sloan Siegrist |
| N2 | Assessing current practices at Dartmouth-Hitchcock Medical Center (DHMC) for congenital cytomegalovirus (cCMV) testing | Debopriya Chakraborty, Patrick M. Shannon, Sebastian Rodas, Amanda C. Phillips, Raylene M. Williams, Joel A. Lefferts |
| N3 | Evaluation of a Fast vs. Conventional System for Antimicrobial Susceptibility Testing of Gram-Negative Bacteria from Positive Blood Cultures | A. D. Pyden, M. Kearney, T. E. Dufresne, Lab. |
| N4 | Tigecycline as a Surrogate for Omadacycline Susceptibility in <i>Enterococcus faecalis</i> and <i>E. faecium</i> | Ted Kowalczyk, Brian Bohn, Kylie Pritchard, Dina Besece, Holly Hoffman-Roberts, Diane Anastasiou |
| N5 | In Vitro Activity of Omadacycline Against Clinical Corynebacterium Isolates: A Comparison with Tetracycline-Class Antibiotics | Saltanat Ualiyeva, Justin McCallum, Zoe Freeman Weiss |
| N6 | A Four and a Half Year Review of Acute Tick-borne Illness Testing at an Academic Medical Center in New Hampshire and Vermont | Taylor D Ticer, Isabella W Martin, Richard A Zuckerman, Joel A Lefferts |
| N7 | Rapid Susceptibility Testing of Ceftazidime Directly From Positive Blood Cultures Using a Microfluidic Agar-Diffusion Assay | A. Aman, M. Chatzopoulou, H. Ohrn, L. Faxen, C. Johansson, A. Olsson, P. Lagerback, T. Tangden, C. Malmberg |
| N8 | Influence of Microbiology Laboratory Automation (MLA) and Artificial Intelligence (AI) Enhanced Software on the Turn-Around-Times (TAT) of Reporting <i>S. pyogenes</i> for Throat Specimens | R. Davidson |
| N9 | Beyond the Itch: Understanding the Severe Consequences of Pediculosis Capitis | Donna M. Hill, Nathan Shelman, David Peaper |
| N10 | Green, ADA and Ergonomic Considerations for Renovation and Construction | Drew Fayram, Robert L. Glaser, Crystal R. Fortune, Michael Marsico III, Marian Downing, Shoolah Escott |