

2026 LSS Poster Session Participants

1. Madelyn Claire Burgon, Undergraduate Student, Bates College: *Evaluation of the aminoacylation properties of a short RNA-PNA duplex*
2. Andrew Carlson, Undergraduate Student, Colby College: *Beyond Binary: A Semi-Quantitative ELISA for Avipoxvirus Serosurveillance and Infection Timing in the Threatened Florida Scrub-Jay*
3. Maren Cooper, Undergraduate Student, Bowdoin College: *Photocrosslinking sugars to trap and identify host cell proteins that bind Helicobacter pylori glycans*
4. Eoin Gallagher, Undergraduate Student, Bowdoin College: *Probing the role of glycan biosynthesis in Helicobacter pylori interactions with host cells*
5. Matthew Indelicato, Undergraduate Student, Providence College: *Cell Size Control and Cdc25 Remodeling During Prolonged Osmotic Stress*
6. Federica Lombardi, Undergraduate Student, Bowdoin College: *Investigating co-factor binding disruption due to SHRF-causing mutation in the RNA exosome in Saccharomyces cerevisiae*
7. Madison Maiorano , Graduate Student, Tufts University: *Autophagosome-Tethering Chimeras (ATTECs) for Targeted Degradation of Cellular Components*
8. Maxwell Murthi, Undergraduate Student, Bates College: *Lactoyl-Phenylalanine's Impact on Macrophage Function and Antibacterial Activity*
9. Emmanuel Nwodo, Undergraduate Student, Bowdoin College: *Divalent siRNA-mediated Knockdown of Nucleus accumbens-associated 1*
10. Dominic Radcliffe-Hines, Graduate Student, Worcester Polytechnic Institute: *Cofilin controls the sorting of tropomyosin to distinct actin networks*
11. Anton Schmeissner, Undergraduate Student, Bowdoin College: *Developing SKILL-seq, a Novel Technique to Analyze Tissue-to-Tissue Differences in Killer T-Cell Activity*
12. Guy Settipane, Undergraduate Student, Providence College: *Coordinating Cell Size with Glucose Availability via Regulation of Mitotic Activator Cdc25*
13. Jeffery Shen, Undergraduate Student, Wesleyan University: *Investigation of the Tissues Interface Dynamics via Antagonistic Migration Assay*
14. Blessing Sithole, Undergraduate Student, Keene State College: *An Explainable and Integrity-Aware Framework for Cyber-Resilient Wound Risk Assessment in Healthcare IoT Systems*
15. Bertina Telusma, Postdoctoral Fellow, Massachusetts Institute of Technology: *Understanding the role of autophagy during metabolic adaptation in the methylotrophic yeast, Pichia pastoris*
16. Hugh Hamilton Tevis, Undergraduate Student, Wesleyan University: *Pharmacologic Inhibition of Atp7a/b Copper-Transporters Impairs Skeletal Muscle Regeneration in a Murine Model*
17. Martina Tognato Guaqueta, Undergraduate Student, Bowdoin College: *Investigating the Structural Dynamics of the RNA Exosome in Saccharomyces cerevisiae*

18. Alliance Uwimbabazi, Undergraduate Student, Wellesley College: *Investigating the relationship between the monopole, charge distribution, and DNA-binding affinity of variants of the DesHDAP1 antimicrobial peptide*
19. Devika Andhare, Postdoctoral Fellow, Dartmouth College, Chemistry: *The Atg20-24 BAR Domain Complex Promotes Autophagosome Maturation during Selective Autophagy*
20. Zhanibek Bekkhozhin, Graduate Student, Dartmouth College, Chemistry: *Crystal Structure of Atg23 Shows A Novel Fold With A Cavity That Binds Atg9*
21. Matthew Ciolkowski, Graduate Student, Dartmouth College, IND: *Gap Junctions Across the Oligodendrocyte Lineage.*
22. Megan Doty, Graduate Student, Dartmouth College, Biological Sciences: *Mitochondrial phenotypes vary with axon myelination status*
23. Emma Fikse, Graduate Student, Dartmouth College, MSB: *Cholesterol availability modulates microglial response to pathological alpha-synuclein*
24. Pallavi Gadgil, Graduate Student, Dartmouth College, BCB: *Autophagy-mediated Regulation of Meiotic Exit in Budding Yeast*
25. Sukrut Kamerkar, Postdoctoral Fellow, Dartmouth College, BCB: *LACTB coordinates Mitochondria-Lipid Droplet Communication: A Regulator of Lipid Flux and Apoptosis*
26. Sarah Najera, Graduate Student, Dartmouth College, BCB: *Avidity Driven Protein-Protein Interaction Drives Critical Membrane Recruitment Interaction During Autophagy*
27. Harshini Sivagnanam, Graduate Student, Dartmouth College, Biological Sciences: *Dying oligodendrocytes persist without mitochondria*
28. Tobi Soneyin, Undergraduate Student, Dartmouth College, Chemistry: *TvPPi-PFK tetramers are stabilized by AMP-binding*
29. Briana Wyman, Graduate Student, Dartmouth College, MSB: *Decoding Neurogenesis: Single-Cell Trajectories and Autism Spectrum Disorder Gene Mapping*