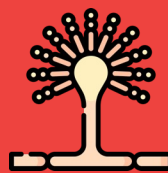




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Fungal Biology Supergroup

2024 Undergraduate Poster Symposium



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The Madison Mycological Society



“Welcome to the Madison Mycological Society! We are a group of fungus-lovers in the Madison area eager to meet other mycophiles, sustainably forage Wisconsin’s great outdoors, and learn about the fascinating world of fungi. We know that once you start looking for fungi, you see that they are everywhere serving as essential mutualists, pathogens, and decayers of all the world’s ecosystems. Madison Mycological Society strives to educate and excite the public about fungi so that instead of fearing them we can learn and work with them for a healthier, more sustainable, and tastier living.”

<https://madisonmycologicalsociety.com/>

MMS is sponsoring **two awards for outstanding poster presenters** that will be announced at 4:45 pm.



UW Department of Bacteriology

We thank them for donating their poster easels for this event!

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Determining the effects of sulfated lipochitooligosaccharides on biofilm formation in *A. fumigatus*

Aidan J. Schmidt, Cristobal C. Carriel, Nancy P. Keller
Poster 1

Katarina Aranguiz: Hittinger Lab
Poster 2



Deletion of genes with the reader domain linked to secondary metabolite production in *Aspergillus nidulans*

Kyle R. Digman, Jin W. Bok, Nancy P. Keller
Poster 3

Effect of *zfpA* and *ppoA* on growth and sporulation of *A. fumigatus*

Kyle Schinner, Dante Calise, Nancy P. Keller
Poster 4



Genetically modifying yeast to overproduce ergosterol and reverse the inhibition of biofuel production by saponins.

Lizza Korolev, Lillian Barten, Trey Sato
Poster 5





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Crafting Local Yeast for Better Craft Beer

Logan Parker, Johnathan Crandall, Andrew Sommer, Hayley Stoneman, Russel Wrobel, Chris Todd Hittinger

Poster 6



A look into the taxonomic history of Wisconsin Amanita

Michael Hensley, Corbin Bryan, Suzanne Joneson, Anne Pringle

Poster 7



Sweeter Together: Enhanced Saccharomycotina Growth in Galactose-Glucose Media

Molly Hardwick, Emily J. Ubbelohde, Chris T. Hittinger

Poster 8



The Dendrothele Dilemma: A March Toward A Clearer Phylogeny

Naamon Peyton, Corbin T. Bryan, Anne Pringle, Michelle A. Jusino, Daniel L. Lindner, Karen K. Nakasone

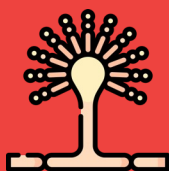
Poster 9



Adaptation of Cryptococcus deneoformans to gradual increases in temperature influences survival traits

Nasya Miller, Miller, Jackie Spieles, Christina M. Hull

Poster 10





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Defining the Regulators of Spore Maturation and Germination in *Cryptococcus neoformans*

Nanami Oshimura, Megan McKeon, and Christina Hull

Poster 11



Sclerotinia Basal Stem Rot and Sunflowers: Slowing Disease Progression with Mycovirus Protein

Olivia Knopke-Mooney, Alexander J. Lawrence, Peihan Shu, Aurélie Rakotondrafara

Poster 12



Insights into the role of ATP biosynthesis in the maturation of *Cryptococcus* spores.

Olivia Valentine, Megan McKeon, Christina M. Hull

Poster 13

Evaluation of Phylogenetic Biases in the Community Sequencing of Fungi: Experimental and In-Silico Approaches

Ronan Montgomery-Taylor, Kathleen Thompson, Richard Lankau

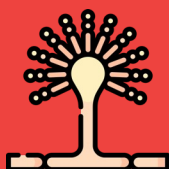
Poster 14



Transcription-Associated Mutations in Budding Yeast

Rutuja Gupte, Nathaniel Sharp

Poster 15





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Inducibly inhibiting the PDC pathway in yeast for increasing isobutanol production

Xander Williams, Russell Wrobel, Chris Hittinger

Poster 16

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