
Magnolia Morelli

Research Student

- Mycology
- Microbial Microbiomes
- Bioinformatics

Contact Information

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Twitter: @MagMorelli

Publications

Morelli, M. W., Blackmon, H., & Hjelman, C. E. (2022). Diptera and Drosophila Karyotype Databases: A Useful Dataset to Guide Evolutionary and Genomic Studies. *Frontiers in Ecology and Evolution*, 10. <https://www.frontiersin.org/article/10.3389/fevo.2022.832378>

Education

Bachelor of Science in Biology

- Utah Valley University, Expected Graduation Fall 2023
- GPA: 3.71

Associate of Science in Biology

- Salt Lake Community College, Graduated Spring 2020
- GPA: 3.70

Awards and Funding

National Science Foundation S-STEM Fellowship

- Utah Valley University Scholarship with \$23,490 total funding

The D. Clark and Pam Turner Endowment for Engaged Learning in STEM Research Fellowships

- Utah Valley University Scholarship with \$3,985 total funding

Undergraduate Research Scholarly and Creative Activities

- Utah Valley University Research Scholarship with \$1,944 total funding

Mycophagy in White-Tailed Deer

- Utah Valley University SAC Grant with \$958 total funding

Mycology in the Swamp

- MSA Mentor Student Travel Award with \$750 total funding

Costa Rica Travel Award

- Salt Lake Community College Travel Abroad scholarship with \$1,500 total funding

Research, Presentations, and Acknowledgement

Mycophagy in Primates

- Travel to Costa Rica to study fungi dispersal carried through primates
- Proposal submitted 2021, expected completion 2023

Mycophagy in Ungulates

- Travel throughout the US (Wasatch Front, Arkansas,) to study fungi dispersal carried through primates
- Proposal submitted 2022, expected completion 2022

UVU Map the Systems

- Shrinking of the Great Salt Lake

UVU NSF Fellowship Presentation

- Mycophagy in Primates

Mycological Society of America

- Featured on monthly student spotlight – click [here](#) to view

UVU Mycology Symposium

- Movement of Mushrooms Along the Wasatch Front

Leadership

National Society of Leadership and Success Inductee

- 2021 – Current

Mycological Society of America Member

- 2021 – Current

Secretary of Evolution and Bioinformatics Club

- Utah Valley University 2021 – Current

Biology – School Tutor

- Salt Lake Community College 2016 – 2020

High Honor Student

- Salt Lake Community College 2016 – 2020

Lab Experience

ARUP Laboratory, 2020 – 2021

- Infectious disease handling
- Medical technologist
- Catalog, aliquot, scan, and prepare specimens for further testing
- COVID-19 Response Team

CZAR Laboratory, 2020

- Genetic mutations within Zebrafish

Covance Laboratory, 2017 – 2019

- Proper disposal of infectious material
- Pharmaceutical testing

Related Training

- Bioinformatics – R Studio, Python
- Fungal Culturing and Isolation
- Google Software Experience
- Infectious Disease Handling and Sample Processing
- Microbiome Analysis Workshop
- Organic Chemistry Coursework
- Scientific Writing Experience
- Wet and Dry Lab Experience
- Windows Software Experience