

Fabrizio Cavassa
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EDUCATION

University of Florida

B.S., Chemistry, with an emphasis on Biochemistry

Expected graduation — May 2026

RESEARCH EXPERIENCE

University of Florida

Undergraduate researcher for Dr. Jeffrey Rudolf

January 2024 – Present

- ❖ Assisted in culturing *E. Coli* and *Streptomyces* by creating culture media and inoculation
- ❖ Extracted genomes from mutated bacterial strains
- ❖ Purified proteins for *in vitro* studies
- ❖ Isolated several natural products and identified their structures and properties through HPLC and NMR analysis

The Herbert Wertheim UF Scripps Institute for Biomedical Innovation & Technology

Research Lab Intern for Dr. Matthew Disney

June 2021 – April 2022

- ❖ Tasked with creating buffers required for experiments conducted by laboratory personnel.
- ❖ Purified proteins for X-Ray crystallography studies.
- ❖ Responsible for the maintenance of multiple human cell lines, intended for scientific experiments.

PUBLICATIONS

W Ning, Z Li, X Wei, J Nafie, X Bao, F Cavassa, D Tantillo, J Rudolf. “Mechanistic Insights of Odyverdiene B2 Synthase from *Streptomyces alkaliterrae*.” (in preparation), 2025

PRESENTATIONS

“Discovery of bacterial diterpenoids by genome mining,” University of Florida Undergraduate Research Symposium (in preparation), 2025

HONORS AND AWARDS

Dean’s List for the College of Liberal Arts and Sciences, University of Florida, Fall Semester 2022
Colonel Allen R. and Margaret G. Crow Undergraduate Scholarship, Summer Semester 2025