

# Fabrizio Cavassa

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## EDUCATION

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### University of Florida

B.S., Chemistry, with an emphasis on Biochemistry  
Expected graduation — May 2026

## RESEARCH EXPERIENCE

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### 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

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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

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

## HONORS AND AWARDS

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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