
Mason L. Swindal

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Education:

Florida State University, Tallahassee, FL

- B.S. in ACS Approved Chemistry, Expected Spring 2023
 - Crystallography Emphasis
 - Minor in Mathematics

Professional Experience:

Florida State University (FSU), Tallahassee, FL

Expected B.S. ACS Approved Chemistry, Minor in Mathematics *Magna Cum Laude*

Research Advisor: Prof. Thomas E. Albrecht-Schönzart

Senior Thesis Title: Synthesis and Characterization of Schiff-base Compounds of Tetravalent *f*-Elements Ce, Th, U, and Pu Start Date: August 2011

Graduation: Expected May 2023

- Synthesized exotic coordination compounds from *f*-Elements
- Solved unknown unit cells through the interpretation of XRD data and the utilization of crystallography software

Awards:

- Dean's List, Florida State University, 2019-2021

Areas of Expertise:

- Preparation of lanthanide and actinide compounds
- UV-Vis-NIR spectroscopy of lanthanide and actinide elements
- Solid-state transmission and photoluminescence spectroscopy
- Handled radioactive isotopes including ^{232}Th , ^{238}U , and ^{239}Pu

Teaching Assistantships:

- Tutored numerous chemistry and math classes

Related Professional Experience:

- Member of the Alpha Chi Sigma professional chemistry fraternity (AXΣ) since April 2019
- Certified pharmacy technician in the state of Florida since August 2021

Manuscripts Submitted and In Progress:

1. C. Celis-Barros, M. J. Beltrán-Leiva, E. Warzecha, N. B. Beck, C. J. Windorff, B. E. Klammer, A. N. Gaiser, M. A. Whitefoot, S. S. Galley, R. Maddox, W. A. Bottorff, D. A. Beery, K. Hanson, T. N. Poe, N. L. Williams, **M. L. Swindal**, B. N. Long, Z. Bai, T. E. Albrecht-Schönzart; “Mixed Donor Ligand Complex with Plutonium, Americium, and Curium”. **In Prep.**
2. **M. L. Swindal**, Z. Bai, B. M. Rotermund, N. B. Beck, J. P. Brannon, D. Gomez Martinez, T. E. Albrecht-Schönzart, J. M. Sperling; “Synthesis and Characterization of Schiff-base Compounds of Tetravalent *f*-Elements Ce, Th, U, and Pu”. **In Prep.**