

Timothy John Paris, B.S.

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EDUCATION

2017-2021 | South Dakota State University | Brookings, South Dakota | **170 total credit hours**

Bachelor of Science – Natural Sciences with **Honors College distinction** | *Summa Cum Laude* | Majors: **Chemistry and Biochemistry** | Minor: **Biology**

Bachelor of Science – Arts, Humanities, and Social Sciences with **Honors College distinction** | *Summa Cum Laude* | Major: **Psychology**

2019 | College Reading and Learning Association Certification | *Levels 1 and 2* | South Dakota State University

RESEARCH EXPERIENCE

August 2021 – May 2022 | **Research Associate, Stanford University** | ChEM-H Medicinal Chemistry Knowledge Center | Medicinal Chemistry | Mark Smith, PhD (mxsmith@stanford.edu)

August 2020 – May 2021 | **Undergraduate Scientist, South Dakota State University** | Department of Psychology | Experimental Psychology and Statistical Analysis | Pirita See, PhD (pirita.see@sdstate.edu)

October 2018 – July 2021 | **Undergraduate Scientist, South Dakota State University** | Department of Chemistry and Biochemistry | Organic Synthesis & Method Development | Rachel Willand-Charnley, PhD (rachel.willand@sdstate.edu)

PEER-REVIEWED PUBLICATIONS

(3) **Paris, T. J.**; Willand-Charnley, R. Modern Synthesis and Chemistry of Stabilized Ketene *N,O*-Acetals. *Synthesis* **2022**, 54, 1537-1550.

(2) **Paris, T. J.**; Schwartz, C.;* Sundall, E.;* Willand-Charnley, R. Rapid, One-Step Synthesis of α -Ketoacetals via Electrophilic Etherification. *J. Org. Chem.* **2021**, 86, 14797-14811.

(1) **Paris, T. J.**; Schwartz, C.; Willand-Charnley, R. Electrophilic Etherification of α -Heteroaryl Carbanions with Monoperoxyacetals as a Route to Ketene *O,O*- and *N,O*-Acetals. *J. Org. Chem.* **2021**, 86, 2369-2384.

* = these authors contributed equally.

MANUSCRIPTS IN PREPARATION

(2) **Paris, T. J.**; Close-Smith, S.; Madsen, S. Evaluation of Green Chemistry Platforms for Remote Laboratory Instruction.

Target Journal: *Journal of Chemical Education*

Target Submission: December 2023

(1) **Paris, T. J.**; Dussault, P. H.; Willand-Charnley, R. Dialkyl Peroxides: Electrophiles for Etherification with Carbanions.

Target Journal: *Chemical Reviews*

Target Submission: September 2023

NON-PEER REVIEWED MANUSCRIPTS

- (2) Boyd, A.;* Cordt, A.;* Schmidt, R.;* Swift, A.;* Paris, T. J.;* See, P. The Effects of Healthcare Type and Multicultural Training on Perceived Trustworthiness of Physicians. **2021**.
- (1) Boyd, A.;* Broveak, N.;* Cordt, A.;* Hunter, S.;* Paris, T. J.;* See, P. Intrinsic versus Extrinsic Motivation Underlying Attendance at University-Sponsored Cultural Events: A Comparison between Students and Community Members. **2020**.

* = these authors contributed equally.

PRESENTATIONS

2021 | “The Effects of Healthcare Type and Multicultural Training on Perceived Trustworthiness of Physicians” | [Department of Psychology Public Conference](#) | South Dakota State University.

2020 | “Intrinsic versus Extrinsic Motivation Underlying Attendance at University-Sponsored Cultural Events: A Comparison between Students and Community Members” | [Department of Psychology Symposium](#) | South Dakota State University.

2020 | “Electrophilic Etherification of α -Heteroaryl Carbanions with Monoperoxyacetals as a Route to Ketene O,O- and N,O-Acetals” | [Celebration of Chemistry and Biochemistry Symposium](#) | South Dakota State University.

2020 | “Etherification between vinyl ether carbanions and electrophilic peroxides as a route to ketene acetal synthesis” | [American Chemical Society \(National\) Virtual Meeting & Expo](#) | **Presented in the [Sci-Mix event](#)**.

2019 | “Development of SIAE Sugar-Based Inhibitors via Stabilized Carbanions Chemistry with Electrophilic Peroxides” | [Department of Chemistry & Biochemistry Final Seminar](#) | South Dakota State University.

2019 | “Development of SIAE Sugar-Based Inhibitors via Stabilized Carbanions Chemistry with Electrophilic Peroxides” | [Undergraduate Research, Scholarship, and Creative Activity Day](#) | **Awarded “Best Chemistry Poster”** | South Dakota State University.

PRE-MEDICAL SCHOOL CLINICAL ENGAGEMENT & RELATED EXPERIENCES

2021 | Cardiology Physician [Shadowing](#) & Instruction | Monument Health | Rapid City, South Dakota | **50 hours**

2019-2021 | **Emergency Department** [Patient Care](#) Technician | Sanford USD Medical Center | **293 hours**

2019 | Human Anatomy [Dissection](#) Team **Leader** | Department of Biology, South Dakota State University | **286 hours**

2019 | Orthopedic Surgery [Shadowing](#) | Sanford USD Medical Center | Sioux Falls, South Dakota | **24 hours**

2019 | Human Anatomy [Laboratory Assistant](#) Internship | South Dakota State University | **135 hours**

2016-2019 | Orthopedic Surgery and Clinical [Shadowing](#) | Black Hills Surgical Hospital | **29 hours**

LEADERSHIP, TEACHING, & VOLUNTEER ACTIVITIES

2019-2021 | [Community Assistant](#), Brown Hall | South Dakota State University Housing & Residential Life | **1624 hours**

2020-2021 | Social Psychology [Teaching Assistant](#) | Department of Psychology, South Dakota State University | 414 hours

2020 | Human Physiology [Supplemental Instruction Leader](#) | Wintrode Student Success Center | 158 hours

2019 | Organic Chemistry [Tutor](#) / Chemistry 328 Instruction | Wintrode Student Success Center | 63 hours

2018 | [Student Athlete Advisory Committee](#) | South Dakota State University Division I Athletics | 10 hours

2018 | Youth Baseball Camps [Leader](#) | South Dakota State University Division I Athletics | 34 hours

2017-2018 | South Dakota State University Division I Men's [Baseball Team](#) | 2009 hours

SELECT HONORS & AWARDS

2021 | Schultz-Werth Award • 2020 | [Barry Goldwater Scholar](#) • 2020 | [Allen Branum Psychology Scholarship](#)

2019-2020 | Joseph F. Nelson Award for [Undergraduate Research](#) • 2020 | East [Undergraduate Research](#) Fellowship

2020 | Van D. and Barbara B. Fishback Honors College Award for [Undergraduate Research](#)

2020 | Outstanding Senior Undergraduate Award, American Chemical Society (Sioux Valley Section)

2019 | Tanaka [Undergraduate Research](#) Fellowship • 2019 | American Chemical Society Organic Chemistry Award

2019 | [Louise Guild Scholarship in Biochemistry](#)