

Contact:

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Address: USF College of Marine Science, 830 1st St SE, St Petersburg, FL 33701

Education:

- 2021 – Present **Ph.D. Student in Marine Science**, Chemical Oceanography, University of South Florida. Advisor: Dr. Tim M. Conway.
- 2018 – 2021 **B.S. Oceanography**, Marine Ecosystem Science and Health, Texas A&M University, Conferred: 2021. Advisor: Dr. Jessica Fitzsimmons

Positions Held & Research Experience:

- 4/2022 – Present **National Science Foundation Graduate Research Fellow**, Chemical Oceanography.
- 2/2022 – Present **GEOTRACES GP17-OCE Technician**, US GEOTRACES Program
Chief Scientists: Dr. Jessica Fitzsimmons, Dr. Benjamin Twining, Dr. Greg Cutter
GP17 Super Technician: November 1, 2022 – January 25, 2023.
- 8/2021 – Present **USF Graduate Research Assistant**, Advisor: Dr. Tim M. Conway.
Committee: Dr. Greg De Souza, Dr. Phoebe Lam, Dr. Amelia Shevenell, Dr. Don Chambers, Dr. Tim M. Conway.
Project: Trace metal isotope systematics and cycling in the Arctic North Atlantic (Dutch GAPr16) and South Pacific Oceans (US GP17-OCE).
- 5/2020 – 8/2020 **National Science Foundation REU Intern**, Bigelow Laboratory for Ocean Sciences.
Advisor: Dr. Benjamin Twining
Project: Basin-scale relationships between dissolved, particulate, & cellular trace metal micronutrient stoichiometries (utilized GEOTRACES IDP2017 and R).
- 7/2019 – 7/2021 **Undergraduate Research Technician**, Texas A&M University.
Advisor: Dr. Jessica Fitzsimmons
Project: A multi-element overview of upper ocean trace metal cycling in the Pacific Ocean: US GEOTRACES GP15 (lead SeaFAST based ICPMS analyses).

Cruise Participation: (7 days total, 56 upcoming)

- 12/2022 **R/V Roger Revelle (55 days; upcoming)**, GEOTRACES GP17-OCE. Papeete, Tahiti to Punta Arenas, Chile. *Duties: U.S. Super-Technician responsible for clean filtration of all water from the GTC Trace Metal Clean Rosette for all PIs.*
- 7/2021 **R/V Heincke (1 day)**, Bremerhaven, Germany. *Duties: Trace Metal Sampling.*
- 4/2021 **R/V Trident (2 days)**, Galveston, TX. *Duties: Trace Metal Sampling.*
- 6/2019 **R/V Point Sur (4 days)**. Chauvin, LA (LUMCON). *Duties: SeaBird Console Co-operator.*
- 3/2019 **R/V Trident (1 day)**. Undergraduate Galveston Bay cruise. Galveston, TX

Grants & Awards:

- 2022 – 2027 *National Science Foundation Graduate Research Fellowship (\$138,000).*
- 2021 – 2024 *Graduate Student Success Fellow, University of South Florida (\$30,000).*
- 2021 – 2022 *Graduate Research Assistantship, USF College of Marine Science (\$10,000).*
- 2021 *Undergraduate Excellence in Oceanography Award, Texas A&M University.*
- 2021 *College of Geosciences Medallion Milestone Scholar, Texas A&M University.*
- 2020 – 2021 *Scherck Scholarship in Oceanography, Texas A&M University (\$4,000).*
- 2019 *Schade Scholar, Department of Oceanography, Texas A&M University.*

Presentations:

1. **Halbeisen**, D.J, Lanning, N.T, Till, C.P, Fitzsimmons, J.N. (2022). *A multielement overview of upper ocean trace metal cycling in the Pacific Ocean: GEOTRACES GP15 PMT demi stations*. GEOTRACES Summer School 2022, Bremerhaven, Germany. Poster Presentation.
2. Lanning NT, Sieber M, **Halbeisen** D.J, Weiss G, Bian X, Yang S, German C, Jenkins W, Hatta M, Conway TM, Fitzsimmons JN. (2022). The cycling of dissolved iron, iron isotopes, and manganese in the central Pacific Ocean: insights from the U.S. GEOTRACES Pacific Meridional Transect (GP15). Ocean Sciences Meeting, Honolulu, HI. Virtual. Oral Presentation.
3. **Halbeisen**, D.J, and Twining, B.S. (2022). The Power of Three: An investigation of basin-scale relationships between dissolved, particulate, & cellular trace metal micronutrient stoichiometries of the Atlantic and Pacific Oceans. USF CMS Graduate Student Symposium, St. Petersburg, FL. Poster Presentation.
4. **Halbeisen**, D.J, Lanning, N.T, Till, C.P, Fitzsimmons, J.N. (2020). *A multielement overview of upper ocean trace metal cycling in the Pacific Ocean: GEOTRACES GP15 PMT demi stations*. Ocean Sciences Meeting 2020, San Diego, CA. Poster Presentation.
5. Fitzsimmons, J.N, Lanning, N.T, **Halbeisen**, D.J, Till, C.P, Hatta, M, Weiss, G.A, Conway, T.M, Sieber, M, John, S.G, Yang, S-C, and Bian, X. (2020). A multi-element perspective on Pacific dissolved trace metal cycling from the GEOTRACES GP15 PMT cruise. Ocean Sciences Meeting 2020, San Diego, CA. Oral Presentation.

Service & Leadership:

- 12/2021 – 2/2022 **Co-coordinator: College of Marine Science Graduate Student Symposium.**
Worked with local businesses, CMS, and the USF student body to host ten oral presentations and thirteen poster presentations.
- 8/2021 – Present **Coordinator: USF Marine Metal and Trace Element Lab Discussion Group.**
Planned, coordinated, and lead weekly literature discussions.
- 2019 – 2020 **Vice President of Operations: Texas A&M Crew / Rowing Club**
Lead all operations of the Texas A&M Rowing Club. Size of team: 65.
Scheduled regattas, facilitated safe interstate travel, and oversaw financial responsibilities/equipment maintenance.
- 6/2019 **Counselor: Texas A&M College of Geosciences GeoX**
Immersed high school students in the opportunities available in the College of Geosciences during the Summer of 2019.
- 2019 – 2021 **Texas A&M Undergraduate Geosciences Recruitment Team**
Lead prospective students on campus tours and answered questions regarding student life in the College of Geosciences.
- 3/2019 **Project lead: The Big Event**
Subproject small group leader in the nation's single largest annual community service initiative, Texas A&M's "The Big Event."

Memberships:

- 2020 – Present **The Oceanography Society.**
- 2019 – Present **American Geophysical Union.**
- 2019 – Present **Association for the Sciences of Limnology and Oceanography.**