

# ALEX BARTH, Ph.D.

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## RESEARCH EXPERIENCE

2024-	Postdoctoral Researcher, University of Texas, Marine Science Institute + Statistics & Data Science Advisors: <a href="#">Dr. Jordan Casey</a> & <a href="#">Dr. Mevin Hooten</a>
2019-2024	Graduate Research Assistant, <a href="#">Stone Zooplankton Ecology Lab</a> , University of South Carolina Advisor: Dr. Joshua Stone
2017-2019	HAB Sampling Technician, <b>Southern California Coastal Ocean Observing System</b> , Cal Poly Center for Coastal Marine Science. Advisors: Dr. Alexis Pasulka, Dr. Ryan Walter
2018-2019	Student Research Assistant, <b>Common Garden reciprocal cross of <i>K. kelletii</i></b> , Cal Poly Advisor: Dr. Crow White
2017	Senior Research Project, <b>Investigating a trophic cascade in the upper subtitle</b> Wrigley Institute, Catalina Island. Advisor: Dr. Chris Lowe
2017	Summer Research Assistant, <b>Fishes of Texas</b> , University of Texas at Austin Advisors: Adam Cohen, Dr. Dean Hendrickson

## EDUCATION

**Ph.D. Biological Sciences, Ecology** 2024  
University of South Carolina

**B.S. Marine Science, Minor Statistics** 2019  
Cal Poly, San Luis Obispo

## Select Publications

2024	<b>Barth AJ.</b> Blanco-Berical L. Johnson R. Stone J. Rhizaria in the oligotrophic ocean exhibit temporal and vertical variability. <i>Deep Sea Research Part I</i> . doi: <a href="https://doi.org/10.1016/j.dsr.2024.104371">10.1016/j.dsr.2024.104371</a>
2024	<b>Barth AJ.</b> Stone JP. Understanding the picture: the promise and challenges of in-situ imagery data in the study of plankton ecology. <i>Journal of Plankton Research: Horizons</i>
2023	<b>Barth A.</b> Johnson R. Stone J. Size and transparency influence diel vertical migration patterns in copepods. <i>Limnology and Oceanography</i> . doi: <a href="https://doi.org/10.1002/lno.12461">10.1002/lno.12461</a>

## Professional Activities (Last 5 Years)

Publications	7 Papers (5 First-Author)
Grant & Awards	12 Total (\$303,836 cumulative)
Presentations & Seminars	6 Seminars & Invited-Talks, 13 Conference Presentations
Teaching Experience	Instructor of Record (1 Semester), Workshops (1), Lab Instructor (8 Semesters), Undergraduate Project Supervision (3 Students), Guest Lectures (3), Numerous outreach projects.
Academic Service	Grant Review (NCN-Poland), Journal Articles (Estuaries & Coasts, Nature Comm., J. Plank. Res., Front. Eco. Envr., J. Geophys., Limnol. Oceanogr.), Department/University Committes & Chair Positions (4)
Field Experience	Large Oceanographic Experience (3 Cruises; 33 Total Days at Sea), Small boat driving capabilities.
Software Development	Public R-Packages (2)