

# Kyle Shehata Oliveira

PhD Candidate

University of Maine | Bigelow Laboratory for Ocean Sciences  
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## Education

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Ph.D. in Marine Biology	University of Maine   Bigelow Laboratory for Ocean Sciences Expected graduation: December 2024 Advisors: Dr. Nicholas Record and Dr. Damian Brady
B.S. in Environmental Science Minor in Marine Science	The University of North Carolina at Chapel Hill Graduated: 2020   GPA: 3.711, Distinction, Highest Honors Honors Thesis: Analyzing impacts of global climate change on the skeletal morphology of <i>Siderastrea siderea</i> over time (Advisor: Dr. Colleen Bove, Dr. Karl Castillo)

## Research and Fellowships

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2020-2024	RII Track-1: Molecule to Ecosystem: Environmental DNA as a Nexus of Coastal Ecosystem Sustainability for Maine (Maine-eDNA) NSF grant # 1849227 University of Maine, Orono, Maine
2016-2020	Chancellor's Science Scholars University of North Carolina at Chapel Hill, North Carolina
2019	National Science Foundation Research Experience for Undergraduates Gulf of Maine Research Institute, Portland, Maine
2018	Seasonal Temporary Employee New Jersey Department of Environmental Protection Offshore Reef Program Nacote Creek, New Jersey
2018	Summer Undergraduate Researcher Tortuga Negra Project Galapagos Science Center, San Cristobal, Galápagos, Ecuador

## Leadership and Committee Positions Held

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2023-Present	Graduate Student Leadership Board University of Maine School of Marine Sciences
2023-Present	Symposium Committee Co-Chair University of Maine School of Marine Sciences
2022-Present	Professional Development Committee Member University of Maine School of Marine Sciences
2022-2023	Symposium Committee Member University of Maine School of Marine Sciences

## Teaching and Mentoring Experience

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August-December 2023	Teaching Assistant for Invertebrate Zoology University of Maine Semester by the Sea
May-August 2023	Maine eDNA Summer Internship Mentor University of Maine EPSCoR Student mentored: Patrick Tardie 2023 - Detecting White Sharks ( <i>Carcharodon carcharias</i> ) via eDNA on the Coast of Maine
May-June 2023	Special Interest (SPIN) Club Program Co-Leader University of Maine 4H
Spring 2023	Ocean in a Bottle, After School Program Instructor Center for Teaching and Learning, Edgecomb, Maine
Summers 2021-2023	Lead Guest Lecturer Boothbay Sea and Science Center
2022-Present	Divemaster Assistant/Dive Leader Team University of Maine Scientific Diving Program

## Awards and Honors

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2021	John H. Dearborn Scientific Diving Scholarship University of Maine Scientific Diving Program, Walpole, Maine
2020	American Society of Limnology and Oceanography Multicultural Program Award Ocean Sciences Meeting, San Diego, California
2018	Annual Biomedical Research Conference for Minority Students Travel Award Indianapolis, Indiana
2016-2020	Chancellor's Science Scholar Distinguished Scholar Award University of North Carolina at Chapel Hill

## Presentations

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2023	<b>Oliveira KS</b> , Tupper B, Brady DC, Record NR. Comparison of northwest Atlantic <i>C. carcharias</i> data source in presence-only models. Oral Presentation. Student Conference on Conservation Science-New York. New York, NY. October 2023.
2023	<b>Oliveira KS</b> , Winton M, Brady DC, Record NR. Dispersal of <i>Carcharodon carcharias</i> eDNA through space and time in a coastal ecosystem. Oral Presentation. Joint Meeting of Ichthyologists and Herpetologists. Norfolk, VA. July 2023.
2023	<b>Oliveira KS</b> , Campbell B. UMaine 4H Summer of Science Leader Training. Guest lecture on eDNA and its uses. University of Southern Maine, Lewiston Campus and Portland Campus, ME. June 2023.
2023	<b>Oliveira KS</b> . Guest Lecture on career path, eDNA, and ecological forecasting at Marine Academy of Technology and Environmental Science. Virtual/Manahawkin, NJ. April 2023.
2023	<b>Oliveira KS</b> . Guest Lecture on career path, eDNA, and ecological forecasting for TRIO Maine Education Talent Search (METS). Virtual/Maine. March 2023.
2023	<b>Oliveira KS</b> , Record NR. Guest lecture for Colby College Jan-Plan: JP297Dj Ocean Forecasting: AI, Ecology, and Data Justice on the Seas. Waterville, Maine. January 2023.

- 2022 **Oliveira KS**, Tupper B, Brady DC, Record NR. Review and comparison of data sources on *C. carcharias* in the northwest North Atlantic. Oral/Virtual Presentation. Regional Association for Research on the Gulf of Maine. Maine. December 2022.
- 2022 **Oliveira KS**, Winton M, Brady DC, Record NR. Analysis of *Carcharodon carcharias* eDNA behavior through space and time. Oral Presentation. Maine eDNA Student Research Symposium. Orono, ME. December 2022.
- 2022 Freeman TC, Whiten G, **Oliveira KS**, Superfine R. The UNC Chancellor's Science Scholars Program: How modeling inclusive excellence can lead to institutional transformation. **Invited Panelist**. Samuel M. Nabrit Conference for Early Career Scholars. Brown University, Providence, RI. June 2022.
- 2022 **Oliveira KS**. Shark Watch This Week & Beyond: A Weather Forecast-Style Communication Experiment for a White Shark Warning System. Oral Presentation. University of Maine School of Marine Sciences Annual Graduate Student Symposium. Walpole, ME. May 2022.
- 2022 **Oliveira KS**. Guest lecture to provide an introduction to coding and R language. Southern Maine Community College. Hybrid Presentation. Virtual/South Portland, Maine. March 2022.
- 2021 **Oliveira KS**, Bove CB. Guest lecture on career path, past coral skeletal morphology research summary, and current PhD research status. Biology of Global Change. Hybrid Presentation. Boston University, Massachusetts. September 2021.
- 2021 **Oliveira KS**, Record NR, Brady DC. Research Progress to Date. Virtual Presentation. Maine eDNA All-Hands Meeting. Maine. May 2021
- 2021 **Oliveira KS**, Brady DC, Record NR. Developing a temporal and spatial sampling protocol for eDNA from *Carcharodon carcharias*. Graphical Abstract. University of Maine School of Marine Sciences Annual Graduate Student Symposium. Walpole, ME. May 2021.
- 2020 **Oliveira KS**, Pershing AJ, Kerr LA. Analyzing impacts of temperature changes in the northwest Atlantic on movement patterns of Atlantic Bluefin tuna (*Thunnus thynnus*). Oral Presentation. Ocean Sciences Meeting. San Diego, CA. February 2020.
- 2019 **Oliveira KS**, Pershing AJ, Kerr LA. Analyzing impacts of temperature changes in the northwest Atlantic on movement patterns of Atlantic Bluefin tuna (*Thunnus thynnus*). Oral Presentation. Chancellor's Science Scholars Welcome Back Symposium. Chapel Hill, North Carolina. September 2019.
- 2019 **Oliveira KS**, Pershing AJ, Kerr LA. Analyzing impacts of temperature changes in the northwest Atlantic on movement patterns of Atlantic Bluefin tuna (*Thunnus thynnus*). Oral Presentation. Gulf of Maine Research Institute REU Intern Symposium. Portland, Maine. August 2019.
- 2019 **Oliveira KS**, Bove CB, Castillo KD. Analyzing impacts of global climate change on the skeletal morphology of *Siderastrea siderea* over time. Oral Presentation. Symbiofest, Athens, Georgia. April 2019.
- 2018 **Oliveira KS**, Torello AP, Muñoz JP. Analyzing the spatial ecology of *Chelonia mydas* through the use of video technology. Oral Presentation. Annual Biomedical Research Conference for Minority Students, Indianapolis, Indiana. November 2018.

## Professional Affiliations

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2024	Incoming Member (Registration opens November) American Elasmobranch Society
2023	Divemaster Professional Association of Diving Instructors (PADI)
2021	Scientific Diver American Academy of Underwater Science (AAUS)

## Outreach and Synergistic Activities

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2023	Strawberry DNA Extraction Table Co-Leader Bigelow Laboratory for Ocean Sciences Open House
2023	Describe eDNA methods and uses to high school students in preparation for summer outreach events University of Maine 4H Summer of Science Leadership Training
2023	Maine eDNA Booth Activity Co-coordinator LL Bean Green ME Up
2023	Graduate Student Symposium Co-coordinator University of Maine School of Marine Sciences
2023	All-Hands Meeting Symposium Co-coordinator University of Maine Maine-eDNA
2023	Professional Development Retreat Co-coordinator University of Maine School of Marine Sciences
2022-present	Active Member University of Maine School of Marine Sciences DEI Working Group
2021-present	Active Member Bigelow Laboratory for Ocean Sciences Antiracism Working Group
2021-present	JEDI Statement Co-Author Tandy Center for Ocean Forecasting, Bigelow Laboratory for Ocean Sciences
2020	Castillo Coral Laboratory Table Co-coordinator University of North Carolina Science Expo