

Jessica M. Schulte

Jessica.schulte@oregonstate.edu

EDUCATION

- 2021 - **PhD Student**, Fisheries Science
Big Fish Lab, Oregon State University
Movement and foraging ecology of apex sharks in the Pacific Northwest
- 2009- 2013 **Bachelor of Arts**, Environmental Science, University of Florida
Graduated with *cum laude* honors
Minors: Leadership, International Humanitarian Assistance and Development

PUBLICATIONS

- 2022 (*Submitted*) McInturf, A., Chapple, T., **Schulte, J.M**, Bowman, J., Newton, K., Vigil, B. A *paradigm for defining elasmobranch aggregations*.
- 2017 Gutierrez, S. M., **Schulte, J. M.**, Schofield, P. J., & Prodocimo, V. Osmoregulation and muscle water control in vitro facing salinity stress of the Amazon fish Oscar *Astronotus ocellatus* (Cichlidae). *Marine and Freshwater Behaviour and Physiology*, 50(4), 303-311.
- 2016 Schofield, P., **Schulte, J.** Small but tough: What can ecophysiology of croaking gourami *Trichopsis vittata* (Cuvier 1831) tell us about invasiveness of non-native fishes in Florida?. *Neobiota* 28: 51-65.

PRESENTATIONS, AWARDS, & RELEVANT TRAININGS

- 2023 **National Science Foundation Graduate Research Fellowship** Honorable Mention
- 2022 **South Sound Science Symposium**, Poster Presentation
- 2021, 2022 **Hatfield Marine Science Center Markham Research Symposium** Poster Presentation
- 2022 **McNeil Award** Hatfield Marine Research Center, OSU
- 2022 **Northeast Pacific Shark Symposium**, Presentation
- 2021 **National Science Foundation Graduate Research Fellowship** Honorable Mention
- 2021 **Robert E. Malouf Marine Studies Scholarship**, Oregon Sea Grant
- 2021 **Mamie Markham Research Award** Hatfield Marine Research Center, OSU
- 2021 **Marine Studies Initiative Advancement Award**, Marine Studies Initiative, OSU
- 2021 **U.S. Department of State** Franklin Award, “recognizing the achievement in a variety of areas of importance to the Department –superior performance, customer service, innovation, teamwork, crisis management, and negotiation, Washington, D.C.”
- 2021 **U.S. Department of State** Certificate of Appreciation, Washington, D.C. “for tireless dedication and performance in advancing U.S. climate objectives through scaling up building integration of the Department of State’s climate change policy as part of the Climate Action Officer’s team”
- 2019 **U.S. Department of State** Certificate of Appreciation, Washington, D.C.
- 2018 **Participatory Coastal Assessment Training; Facilitator**, Philippines
- 2017 **Cetacean & Marine Turtle Stranding & Medic Response; Trainer**, Manila, Philippines
- 2016 **Everglades Cooperative Invasive Species Management Area Annual Meeting; Poster Presentation**, “A Novel Technique to Control Invasive Species – Trojan Y” Miami, FL

TEACHING

- Spring 2023 **Assistant Instructor**– Scientific Diving (FW 430/530)
- Fall 2022 – Winter 2023 **Instructor of Record** – Global Crisis in Resource Ecology (FW 325)
- Fall 2021 - Spring 2022 **Instructor of Record** – Food from the Sea (FW 324), Oregon State U.

PREVIOUS ROLES

- June 2019-June 2021 **Program Advisor**
Office of Global Change, Department of State, Washington, DC
Bureau of Oceans and International Environmental and Scientific Affairs

Jessica M. Schulte

Jessica.schulte@oregonstate.edu

I helped monitor international climate change policy, project implementation, and performance, including the performance of site visits and the collection, tracking, and validation of results. I collaborated with project implementers and stakeholders and also assist in the procurement of grant and agency funding as well as the awarding of federally funded grants posted on Grants.gov. I also managed all functional project databases to organize and analyze metadata for use in internal and external communications regarding breadth and depth of programs.

July 2016 – Aug 2018 **Coastal Resource Management Advisor**

US Peace Corps, Washington, DC

Country of Service: Philippines

I collaborated with local stakeholders to promote sustainable fisheries and marine conservation, including the development of a Community Environmental Plan through the writing and managing USAID grant for Participatory Coastal Resource Assessment Training and Workshop. This grant was used to conduct a training for 30 community stakeholders including developing agenda, materials, and strategic objectives. I also analyzed environmental and socioeconomic data to help managers and policy-makers use an evidence-based approach to decision making in coastal zones. I also participated in a variety of community outreach and education activities, including mangrove plantings, beach clean-ups, and marine mammal stranding.

June 2012 – July 2016 **Fisheries Researcher**

Invasive Species Lab, Genetics Lab

Wetland and Aquatic Research Center, U.S. Geological Survey, Gainesville, FL

I collected and managed data associated with ecological and biological studies while managing thousands of native & non-native fish, all laboratories, and wet-labs. I oversaw manipulation treatments and data collection for research publications and contributed to the writing and preparation of reports, scientific papers, and government publications. I served as the lead technician on collection, extraction, PCR amplification, and gel electrophoresis of eDNA samples and also assisted other research groups in data collection for Red Lionfish trophic web analysis, Florida Manatee health assessments, Mole Salamander DNA samples and more. I utilized and managed databases to organize collected field data as well as data from geographic information systems and other database management systems, and generally assisted professional staff with planning and conducting of fisheries field research and experiments in lab, mesocosms, and the field using variety of field and collection techniques, including using seines, electrofishing equipment, fyke traps, dipnets, cast nets, etc.

VOLUNTEERISM & APPLIED RESEARCH EXPERIENCE

March 2022	Volunteer , Oregon American Fisheries Science (ORAFS) conference
April 2022	Organizer , Research Advances in Fisheries, Wildlife, and Ecology Symposium
Dec 2019	Social committee organizer , Department of State
Sept 2019	Soup kitchen volunteer , Miriam's Kitchen, Washington, D.C.
June 2019	Volunteer , Department of State Space Enterprise Summit
2016–2018	Peace Corps Leadership Council , U.S. Peace Corps Philippines
2011–2012	Benthic Ecology Science Research Intern , U.S. Geological Survey, Gainesville, FL
2011–2011	Shark Research Intern , Florida Museum of Natural History, Gainesville, FL

SKILLS & CERTIFICATIONS

AAUS Scientific Diver–June 2022; **NAUI Master Diver** – June 2022

Motorboat Operator Certification – March 2022

PADI Divemaster Certified – August 2021. Over 200 dives logged since Jan 2017

CPR/AED Certified - July 2021; **Emergency Oxygen** – Aug 2022; **Remote First Aid** - March 2015

Languages: English (native), Cebuano/Filipino (2 years), Spanish (1 year)