

Jessica M. Schulte

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EDUCATION

- 2021 - **PhD Student**, Fisheries Science
Oregon State University
Researching 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

PRESENTATIONS & AWARDS

- 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 **National Science Foundation Graduate Research Fellowship** Honorable Mention
- 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.
- 2019 **U.S. Department of State** Certificate of Appreciation, Washington, D.C.
- 2018 **Coastal Resource Management Participatory Coastal Resource Assessment Training; Facilitator**, Minglanilla, Cebu, 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

PUBLICATIONS

- 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.

PREVIOUS ROLES

- June 2019-June 2021 **Program Advisor**
Office of Global Change
Bureau of Oceans and International Environmental and Scientific Affairs,
Department of State, Washington, DC
- 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, entered, and managed data associated with ecological and biological studies while managing thousands of live native & non-native fish and all laboratories and wet-labs. I oversaw manipulation treatments and detailed data collection for research publications and contributed to the writing and preparation of reports, scientific papers, and government publications. I served as the lead research technician on collection, extraction, PCR amplification, and gel electrophoresis of eDNA samples and also assisted other research groups in data collection for Red Lionfish dissection for trophic web analysis, Florida Manatee health assessments, Mole Salamander DNA samples, Golden Applesnail pilot study and more. I utilized and managed databases to enter and 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.

APPLIED RESEARCH EXPERIENCE

Dec 2011 – Nov 2012 **Ecology Science Research Intern**
Benthic Ecology Lab
Wetland and Aquatic Research Center, U.S. Geological Survey, Gainesville, FL

I processed samples by sorting, weighing, and measuring deep sea specimens and Gulf of Mexico benthic sediment samples collected on research cruises for stable isotope publications

Aug 2011-Dec 2011 **Florida Program for Shark Research Intern**
Florida Museum of Natural History, Gainesville, FL

I analyzed and organized reports and data files for lab, and managed input of worldwide shark attack data for International Shark Attack Files

SKILLS

PADI Divemaster Certified – Over 100 dives logged since Jan 2017

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

CPR/AED Certified - July 2021; **Remote First Aid Certified** - March 2015

Experienced with Microsoft Office and Adobe products such as Lightroom and Photoshop