

**Curriculum Vita**  
**Bryan R. Franks**  
Phone: (904)256-7976  
Email: bfranks@ju.edu

---

***Specializations:*** Marine Biology, Ecology, Elasmobranchs, Telemetry

**PROFESSIONAL POSITIONS**

**2021-present** Associate Professor, **Jacksonville University**, Department of Biology & Marine Science  
**2017-2021** Assistant Professor, **Jacksonville University**, Department of Biology & Marine Science  
**2013-2017** Assistant Professor & Marine Biology Program Coordinator, **Florida Southern College**,  
Department of Biology  
**2011-2013** Visiting Assistant Professor, **Rollins College**, Department of Biology  
**2008-2011** Managing Director/Postdoctoral Researcher, **Bimini Biological Field Station**, Bimini,  
Bahamas

**EDUCATION**

**Ph.D., Environmental Science/Ecology 2008; M.S. Environmental Science/Ecology 2003:**  
Drexel University, Philadelphia, Pennsylvania  
**B.S., Biology 1997:** Villanova University, Villanova, Pennsylvania

**RECENT EXPERIENCE AT UNIVERSITY LEVEL**

**2017-present** **Selected Courses taught:** Introduction to Marine Biology with lab, Introduction to Oceanography with lab, Techniques in Fish Biology, Marine Ecology, Advanced Lab Studies in Shark Biology, Biology of Fishes with lab  
**Advising:** Perform academic advising duties for approximately 15 undergraduate students and 5 graduate students  
**Service:** Selected Activities  
-Vice Chair of JU IACUC committee (2018-current)  
-Faculty Affairs committee member (2018-2020)  
-Planning & Budget committee member (2020-current)  
-Research Engagement & Academic Pursuits committee member (2018-2021)  
-Marine Science Graduate Admissions committee member (2018-current)

**RECENT RESEARCH EXPERIENCE**

**2011-present** Conduct research involving undergraduate and graduate students on fish and shark communities in the Western North Atlantic Ocean and Caribbean Sea using a variety of field techniques and data analysis including R and ArcGIS. Member of OCEARCH science team on twelve expeditions from 2017-2022. Extensive experience in telemetry of marine animals including satellite and acoustic telemetry. Involved in the Florida Atlantic Coast Telemetry Collaborative Network since its inception.

**SELECTED PUBLICATIONS: Peer Reviewed Literature**

**Franks BR**, Tyminski JP, Hussey NE, Braun CD, Newton AL, Thorrold SR, Fischer GC, McBride B and Hueter RE (2021) Spatio-Temporal Variability in White Shark (*Carcharodon carcharias*) Movement Ecology During Residency and Migration Phases in the Western North Atlantic. *Front. Mar. Sci.* 8:744202. doi: 10.3389/fmars.2021.744202

Bastien G, A Barkley, J Chappus, V Heath, S Popov, RA Smith, T Tran, S Currier, D Catalina Fernandez, P Okpara, V Owen, **BR Franks**, RE Hueter, DJ Madigan, C Fischer, B McBride, and NE Hussey. 2020. Inconspicuous, recovering, or northward shift: Status and management of the white shark (*Carcharodon carcharias*) in Atlantic Canada. *Canadian Journal of Fisheries and Aquatic Sciences*. **77**: 1666-1677  
<https://doi.org/10.1139/cjfas-2020-0055>

Kessel, ST, DD Chapman, **BR Franks**, T Gedamke, SH Gruber, JM Newman, ER White, and RG Perkins. 2014. Predictable temperature-regulated residency, movement, and migration in a large highly mobile marine predator (*Negaprion brevirostris*). *Marine Ecology Progress Series*. **514**:175-190.

Reyier, EA, **BR Franks**, DD Chapman, DM Scheidt, ED Stolen, and SH Gruber. 2014. Regional-scale migrations and habitat use of juvenile lemon sharks (*Negaprion brevirostris*) in the US South Atlantic. *PLOS One*. **9**:1-13.

- Jennings, DE, JD DiBattista, KL Stump, NE Hussey, **BR Franks**, RD Grubbs, and SH Gruber. 2012. Assessment of the aquatic biodiversity of a threatened coastal lagoon at Bimini, Bahamas. *Journal of Coastal Conservation Planning and Management* (2012) **16**:405-428.
- Guttridge TL, SH Gruber, **BR Franks**, ST Kessel, KS Gledhill, J Uphill, J Krause, DW Sims. 2012. Deep danger: intra-specific predation risk influences habitat use and aggregation formation of juvenile lemon sharks, *Negaprion brevirostris*. *Marine Ecology Progress Series*. **445**:279-291.
- Wallace, BP, JR Spotila, PR Sotherland, RD Reina, **BR Franks**, and F Paladino. 2004. Biotic and abiotic factors affect the nest environment of embryonic leatherback turtles, *Dermochelys coriacea*. *Physiological and Biochemical Zoology* **77**(3): 423-432.

### **SELECTED RECENT PRESENTATIONS AND INVITED TALKS**

- Hueter, R., B. Franks, C. Fischer. The North Atlantic white shark study: interdisciplinary, international, collaborative research on the white shark in the western North Atlantic. Joint Meeting of Ichthyologists and Herpetologists, 2019. Snowbird, UT.
- White, C., M. van Zinnicq Bergmann, T. Guttridge, B. Franks, K. Stump, S. Gruber. Using biotelemetry to infer ontogenetic shift and assess the impact of anthropogenic development in the lemon shark, *Negaprion brevirostris*. Oral Presentation. Joint Meeting of Ichthyologists and Herpetologists, 2019. Snowbird, UT.
- Franks, B.R. Tyminski, J.P., Braun, C.D., Fischer, G.C., Hueter, R.E. Migration and Movements of the White Shark in the Western North Atlantic over Multiple Spatiotemporal Scales. Joint Meeting of Ichthyologists and Herpetologists, 2019. Snowbird, UT.
- Lyons, A., B. Franks, A. Johnson, E. Reyier. Primary nursery habitat selection and parturition of requiem sharks from a Georgia barrier island. College of Coastal Georgia Coastal Science Symposium, 2019. Brunswick, GA.
- Bielmyer-Fraser, G., B. Franks, R. Somerville, J. Gelsleichter. Tissue metal concentrations and anti-oxidant enzyme activity in sharks. Society of Environmental Toxicology and Chemistry, North America Meeting, 2019. Toronto, Canada.
- Franks, B., Tyminski JP, Hussey NE, Braun CD, Newton AL, Thorrold SR, Fischer GC, McBride B and Hueter RE. Seasonal fidelity by white sharks (*Carcharodon carcharias*) in the western North Atlantic over multiple spatial and temporal scales. European Elasmobranch Association Annual Meeting, 2021. Leiden, Netherlands.
- FACT Winter Meeting 2021. Invited Panelist for Open Access Data Sharing and Data Visualization Tools.

### **ADDITIONAL DISCIPLINE SPECIFIC SERVICE**

- Advisor for numerous undergraduate and graduate students who have presented at local and national meetings
- Reviewer for proposal submissions to the Southeast Coastal Ocean Observing Regional Association (SECOORA) 2021; invited to serve on Science Committee, 2022
- Serve on the OCEARCH Science Advisory Committee.
- Question writer/editor for ETS CLEP and GRE Biology Exams, 2014-2018
- Reviewer for numerous journals including Aquatic Biology, Endangered Species Research, Marine Biology, Marine and Coastal Fisheries, Journal of Fish Biology, and Marine Ecology Progress Series
- Member of FACT collaborative marine telemetry group since 2008
- Guest editor for Ocean and Coastal Management, special issue, 2012

### **CURRENT GRANTS, AWARDS, POSITIONS, MEMBERSHIPS**

- Winner of 2020-2021 JU Faculty Award for Excellence in Scholarship and Professional Activities
- Vice Chair of Board of Directors, Bimini Biological Field Station Foundation
- Alternate Delegate from JU MSRI to SAML/NAML
- Co-P.I., Collaborate JU, EPIC funding, Using drones to monitor sharks.
- Co-P.I., Swiss Shark Foundation Grant for OCEARCH research.
- Co-P.I., Association of Zoos & Aquarium Grant for OCEARCH research.
- P.I.; Collaborate JU, EPIC funding. Sharks of NE Florida.