

---

## EDUCATION

**Ph.D. Florida International University**, Biology, 2022, Advisor: Dr. Michael Heithaus  
**M.S. Florida State University**, Biological Science, 2016, Advisor: Dr. Dean Grubbs  
**B.S. Furman University**, Biology, 2011

---

## PROFESSIONAL EXPERIENCE

**Scripps Institution of Oceanography**, *Postdoctoral Scholar*, 2024  
 Marine Biology Research Division, Supervisor: Dr. Brice Semmens

**Scripps Institution of Oceanography & The Nature Conservancy**, *Postdoctoral Scholar*, 2022–2023  
 Semmens Lab & TNC California Oceans Program, Supervisors: Drs. Brice Semmens & Lyall Bellquist

**Florida International University**, *Graduate Research Assistant*, 2018–2022  
 Marine Community and Behavioral Ecology Lab, Miami, FL

**Cape Eleuthera Institute**, *Senior Research Scientist*, March 2018–2021  
 Exuma Sound Ecosystem Research Project, Eleuthera, The Bahamas

**U.S. Marine Mammal Commission**, *Communications & Policy Analyst*, 2017–2018  
 NOAA Sea Grant Knauss Fellowship, Washington, D.C.

**The Pew Charitable Trusts, U.S. Oceans Southeast**, *Subcontractor*, March 2016

- Identified gaps in fishery-independent survey coverage regarding trophic ecology and forage & reef fish abundance in the Gulf of Mexico

**Florida State University**, *Graduate Research Assistant*, 2013–2016  
 Ichthyology and Fisheries Science Lab, Tallahassee, FL

**Cape Eleuthera Institute**, *Research Associate*, 2012–2013  
 Shark Research & Conservation Program, Eleuthera, The Bahamas, Supervisor: Dr. Edward Brooks

**Shark Bay Ecosystem Research Project**, *Research Assistant*, 2012

**Furman University Puma Project**, *Research Assistant*, Puma ecology, New Mexico, Summer 2010

---

## TEACHING

**Monmouth University**, *Co-Instructor*, Tropical Island Ecology, Bahamas, January 2015–2023

**The Island School**, *Lead Teacher*, Applied Research, Grades 10–12, The Bahamas, 2012–2020

**Broadreach**, *Academic Instructor*, Shark Studies, Fiji, Summer 2016

**Florida State University**, *Graduate Teaching Assistant*, Eukaryotic Diversity (1), Biology of Fishes (1), Investigations in Biology (6), FL, 2013–2016

**Seacamp & Newfound Harbor Marine Institute**, *School Coordinator & Instructor*, FL, 2011

**Furman University**, *Teaching Assistant*, Ecology, SC, Spring 2011

---

## OUTREACH

### Film:

- [The Marine Mammal Commission](#), [The Story of Sharks](#), [Eating the Enemy: Death to Lionfish](#)
- [Wild & Scenic Film Festival](#), Tallahassee, FL 2014

### Public Engagement:

- Over **500** international students engaged in field research since 2014.
- Crowdfunding/blog writing: **105** donors engaged in the scientific process. Details [here](#).
- Over **100** volunteer presentations (elementary–undergraduate) on marine science (2012–2025)

### Television Clients:

- [All the Sharks](#), Netflix: #1 in Netflix Family in 60+ countries, summer 2025
- Discovery Channel, National Geographic, Science Channel

---

## PUBLICATIONS AND PRESENTATIONS

### Select Publications (*italics denote mentee*):

**Talwar BS**, et al. 2025. [Informing the spatial management of Silky Shark in the Pacific Ocean](#). *Reviews in Fish Biology and Fisheries*.

Allerton AJ, Schnieder EVC, Kiszka JJ, **Talwar BS**. 2025. [Trends in marine mammal bycatch in U.S. fisheries from 1990 to 2017](#). *Aquatic Conservation: Marine and Freshwater Ecosystems*.

- Talwar BS**, et al. 2023. [Insights into the relative abundance, life history, and ecology of oceanic sharks in the eastern Bahamas](#). *Sustainability*.
- Talwar BS**, et al. 2023. [Reproductive timing and putative mating behavior of the oceanic whitetip shark \*Carcharhinus longimanus\* in the eastern Bahamas](#). *Endangered Species Research*.
- Pacoureau et al. 2023. [Conservation successes and challenges for wide-ranging sharks and rays](#). *Proceedings of the National Academy of Sciences*.
- Knotek et al. 2022. [Merging technologies and supervised classification methods to quantify capture behavior on hook-and-line](#). *Journal of Experimental Marine Biology and Ecology*.
- Talwar** et al. 2022. [Extinction risk, reconstructed catches, and management of chondrichthyan fishes in the Western Central Atlantic Ocean](#). *Fish and Fisheries*.
- Talwar** et al. 2022. [Estimated life history traits and movements of the Caribbean reef shark \(\*Carcharhinus perezii\*\) in The Bahamas based on conventional tagging data](#). *Marine Biology*.
- Van Zinnicq Bergmann et al. 2021. [Elucidating shark diets with DNA metabarcoding from cloacal swabs](#). *Molecular Ecology Resources*.
- Prohaska et al. 2021. [Blood biochemical status of deep-sea sharks following longline capture](#). *Conservation Physiology*.
- Talwar** et al. 2020. [Variation in behavioral responses of sub-tropical marine fishes to experimental longline capture](#). *ICES Journal of Marine Science*.
- Talwar** et al. 2020. [Results of a fishery-independent longline survey targeting coastal sharks in the eastern Bahamas between 1979 and 2013](#). *Fisheries Research*.
- Bouyoucos et al. 2018. [Exercise intensity while hooked is associated with physiological status of longline-captured sharks](#). *Conservation Physiology*.
- Talwar** et al. 2017. [Stress, post-release mortality, and recovery of commonly discarded deep-sea sharks caught on longlines](#). *Marine Ecology Progress Series*.
- Shipley et al. 2017. [Polar compounds preclude mathematical lipid correction of carbon stable isotopes in deep-water sharks](#). *Journal of Experimental Marine Biology & Ecology*.
- Talwar** et al. 2017. [Validation of a portable, waterproof blood pH analyzer for elasmobranchs](#). *Conservation Physiology*.
- Talwar** et al. 2016. [An assessment of post-release mortality for a commonly discarded deep-sea isopod using reflex impairment](#). *ICES Journal of Marine Science*.
- Harborne et al. 2016. [The conservation implications of spatial and temporal variability in the diurnal use of Bahamian tidal mangrove creeks by transient predatory fishes](#). *Aquatic Conservation: Marine and Freshwater Ecosystems*.

#### Recent Presentations:

- Talwar BS**. Tracing connections between people and predators. UC-San Diego, Scripps Institution of Oceanography, Institutional Seminar Series. 2025; San Diego, CA, USA.
- Talwar BS**, Semmens BX, ..., Bellquist LF. Informing the spatial management of Silky Shark in the Pacific Ocean. American Fisheries Society; 2024; HI.
- Talwar BS**, Carlson JK, Heithaus M. Movements of silky sharks in the western Atlantic Ocean. Gulf and Caribbean Fisheries Institute Conference; 2023; Nassau, The Bahamas.

---

### RECENT FUNDING & AWARDS

#### 2022

Florida International University Dissertation Year Fellowship	\$16,600
Florida International University Dissertation Evidence Acquisition Fellowship	\$8,300

#### 2020-2021

Sigma Xi Grant-In-Aid of Research	\$1,000
Save Our Seas Foundation Small Grant	\$6,000
Explorer's Club OceanX Grant	\$5,000

#### 2018-2019

OceanX / One Big Wave Research Grant (co-PI)	\$511,050
Dalio Grant for Innovation	\$25,000
Guy Harvey Ocean Foundation Scholarship Award	\$5,000
National Geographic Explorer's Early Career Grant	\$5,000