
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

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, Biology of Fishes, Investigations in Biology, 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](#), #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 perezi*) 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.

SELECT FUNDING & AWARDS

Fellowships

	Amount
Florida International University Dissertation Evidence Acquisition Fellowship	\$8,300
Florida International University Dissertation Year Fellowship	\$16,600
NOAA Sea Grant Knauss Fellowship	\$56,500

Research Awards

National Geographic Explorer's Early Career Grant	\$5,000
Explorer's Club OceanX Grant	\$5,000
Save Our Seas Foundation Small Grant	\$6,000
PADI Foundation Research Grant	\$6,000
Guy Harvey Foundation Scholarship Award (x 2)	\$10,000
Dalio Grant for Innovation	\$25,000
OceanX / One Big Wave Grant: Exploring Deepwater Communities of Exuma Sound (co-PI)	\$500,000