

# **Toby S. Daly-Engel, Ph.D.**

**Assistant Professor | Ocean Engineering and Marine Sciences at Florida Tech**  
Melbourne, FL, US

Dr. Daly-Engel's research uses genomics, field ecology and modelling to study shark populations.

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## **About**

Toby Daly-Engel's research uses a combination of genomics, field ecology and modeling to study mating systems, habitat use and the impacts of climate change on shark populations. She is interested in how reproductive behaviors, particularly from a female fitness perspective, interact with the environment to influence species, populations, individuals and genomes. Dr. Daly-Engel (she/her) grew up in upstate New York and got her BA in biology at Oberlin College. She worked in Boston for two years before going on to get her Master's and Ph.D. in zoology with a specialization in ecology, evolution and conservation biology at the University of Hawaii. She won accolades as an assistant professor at the University of West Florida, where she ran a shark tagging field program and helped found the West Florida chapter of the Association for Women in Science. In Fall 2017, she moved her research to the Florida Institute of Technology. As director of the Florida Tech Shark Conservation Lab, Dr. Daly-Engel and her students work with collaborators from state and federal agencies, non-governmental organizations and public groups to study how reproduction and rising temperatures shape movement patterns in large migratory fishes, identify cryptic species, and work to increase representation for women in science, especially women of color.

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## **Availability**

Author Appearance, Corporate Training

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## **Industry Expertise**

Research, Education/Learning

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## **Areas of Expertise**

Molecular Ecology, Shark Behavior, Marine Biology, Field Ecology, Genomics

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## **Affiliations**

Discovery's Shark Week : Presenter

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## **Education**

**University of Hawaii**

Ph.D. Zoology, specializing in Ecology, Evolution, and Conservation Biology

**University of Hawaii**  
M.S. Zoology

**Oberlin College**  
B.A. Biology

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