

Manatee Research Symposium

1 November 2022

UF | College of Veterinary Medicine
UNIVERSITY of FLORIDA



Agenda

9:00	Welcome	Iske Larkin, University of Florida
9:10	<i>Putative high-level toxicity pathways based on evidence of brevetoxin immunotoxicity in marine fauna</i>	Elizabeth Brammer-Robbins, University of Florida
9:30	<i>Florida Springs Heartland manatee sighting network</i>	Lindsey Kelly, Alachua County Environmental Protection Department
9:50	<i>Evaluating the effectiveness of retrofitting water control structures with Manatee Protection Systems to reduce mortality</i>	Kristin Brightwell, FWC
10:10	<i>Quantifying sublethal Florida manatee-watercraft interactions by examining scars on manatee carcasses</i>	Brandon Bassett, FWC
10:30	<i>Florida manatee and green sea turtle interactions: an example of social play?</i>	Moriah Deimeke, New College of Florida and Mote Marine Laboratory and Aquarium
10:50	<i>U.S. Geological Survey manatee biological resources repository</i>	Jason Ferrante, U.S. Geological Survey, Wetland and Aquatic Research Center
11:10	<i>Manatee calf call contour and acoustic structure varies by species and body size</i>	Beth Brady, Mote Marine Laboratory and Aquarium
11:30	Lunch	Straughn Center
12:30	<i>Immunohistochemical analysis of gonadal function in male Florida manatees</i>	Jonathan Cowart, University of Florida
12:50	<i>Effects of glyphosate on in-vitro T-lymphocyte proliferation and mechanism of toxicity in Florida manatees</i>	Maite De Maria, University of Florida
1:10	<i>Using archived manatee tissue to identify specialized immune cells in respiratory epithelium of the Florida manatee</i>	Meghan Barboza, Southern Connecticut State University
1:30	<i>Genome-wide next generation sequencing data to investigate manatee taxonomy and hybridization of extant species</i>	Caitlin Beaver, U.S. Geological Survey, Wetland and Aquatic Research Center

1:50	<i>Preliminary report on drone-based monitoring of Florida manatee body condition and health in association with the Indian River Lagoon manatee unusual mortality event</i>	Eric Angel Ramos, The Rockefeller University and Fundación Internacional para la Naturaleza y la Sustentabilidad
2:10	<i>The journey from rescue to rehab to release for orphaned, naïve, and injured manatees: considerations on the range of social, behavioral, and welfare management needs for developmental support and success during rehabilitation and return to the wild</i>	Michael Walsh, University of Florida
2:30	<i>Submerged aquatic vegetation (SAV), a new depot for PFAS</i>	Emily Griffin, University of Florida
2:50	<i>Identifying the behavior of ecotourist watercraft and their behavioral impacts on Florida manatee</i>	Nick Kaney, Mote Marine Laboratory and Aquarium and Duke University
3:10	Closing remarks	Iske Larkin, University of Florida