

Manatee Research Symposium

6 November 2023

UF | College of Veterinary Medicine
UNIVERSITY of FLORIDA



Agenda

9:00	Welcome	Iske Larkin, University of Florida
9:10	<i>Morphological comparison between manatee and rat olfactory epithelium</i>	Ania Simoncek, Southern Connecticut State University
9:30	<i>Using vibrissae to identify manatee diet and habitat use in the northern Gulf of Mexico</i>	Mackenzie Russell, Dauphin Island Sea Lab
9:50	<i>Neurogenic nasal inflammation in manatees: Identifying peptidergic nociceptive nerve fibers in respiratory tissue</i>	Meghan Barboza, Southern Connecticut State University
10:10	<i>C-reactive protein ELISA development for Florida manatees as a possible indicator of inflammation</i>	Lillian Maxwell, University of Florida & U.S. Geological Survey, Wetland and Aquatic Research Center, Florida
10:30	<i>Assessing the effectiveness of CRP as a biomarker of inflammation in manatees</i>	Courtnie Ulrich, University of Florida
10:50	<i>Pesticide Prevalence in Florida Manatees and the Indian River Lagoon</i>	Maite De Maria, Cherokee Nation System Solutions in Support of the United States Geological Survey
11:10	<i>Technology driven behavioral observations of manatees in rehabilitative care</i>	Ashley Nelsen, Jacksonville Zoo and Gardens
11:30	Lunch	Straughn Center
1:00	<i>Update on the Manatee Unusual Mortality Event from Starvation on the Florida Atlantic Coast</i>	Martine de Wit, Florida Fish and Wildlife Conservation Commission
1:20	<i>Lipidomic profiling in Florida manatees affected by chronic malnutrition due to seagrass die-off in the Indian River Lagoon</i>	Nicole Stacy, University of Florida
1:40	<i>Changing climate and thermal refugia affect migratory phenology of West Indian manatees in the northern Gulf of Mexico</i>	Elizabeth Hieb, Dauphin Island Sea Lab
2:00	<i>Detecting African Manatee (Trichechus senegalensis) Vocalizations: Harnessing Transfer Learning with a Convolutional Neural Network</i>	Athena Rycyk, New College of Florida
2:20	<i>Knowing Your Community through a Needs Assessment to Co-Design a Community Marine Science Education Project in Florida's Big Bend</i>	Hada Herring & Julie Brown, University of Florida College of Education
2:40	<i>Florida Springs Heartland Manatee Sighting Network Pilot Project through Citizen Science</i>	Lindsey Pavao, Alachua County Environmental Protection Department
3:00	<i>Using a Virtual Reality Simulation to Raise Awareness about Manatee Wellbeing and Conservation</i>	Alexis Merker, Oregon State University
3:20	<i>Has the time come to create a Manatee Science and Conservation Consortium to coordinate and support manatee research?</i>	Heidi Harley, New College of Florida
3:40	Closing Remarks	Iske Larkin, University of Florida