

## **ShORE 2019 AGENDA**

**9:30** Registration

### **Morning Session**

- 10:00** *Welcome and Sponsor Thanks*, Debra W. Woodall, Director Daytona State College Institute of Marine and Environmental Studies; Chad Truxall, Executive Director Marine Discovery Center; Eve Payor, Director of Community Programs, Atlantic Center for the Arts
- 10:10** *The Future Belongs to Those Who Can Hear it Coming*, Keynote speakers Dr. Bernie Krause and Mr. Jack Hines, Wild Sanctuary
- 11:10** *Engaging Students in Lagoon Restoration*, Callie Shaffer, Conservation Outreach Coordinator, Brevard Zoo



### **STUDENT ORAL PRESENTATIONS**

- 11:30** *Exploring the Driving Factors Behind Mangrove Colonization of Oyster Reefs within Mosquito Lagoon*, Megan Witt (University of Central Florida) and Giovanna McClenachan and Linda Walters (Mentors; University of Central Florida)
- 11:40** *The Effects of Recreational Driving on Sea Turtle Nesting Activity in Volusia County, FL*, Chelsea Cameron (Stetson University) and Wendy Anderson (Mentor; Stetson University)
- 11:50** *Determining Spatial and Temporal Water Quality Changes in the Halifax River Lagoon (HRL), FL*, Jehmia Williams (Bethune-Cookman University) and Danithza Rojas-Torres (Mentor; Universidad Nacional de Columbia), and Juan Calderon and Sarah Krejci (Mentors; Bethune-Cookman University)

### **12:00-1:10 LUNCH AND STUDENT POSTER SESSION**

- *Water Quality Chemistry of the Tomoka River*, Elizabeth Harwood (Daytona State College) and Debra Woodall (Mentor; Daytona State College)
- *Machine Learning Techniques Applied to the Data Analysis Focused on Chlorophyll-a Density Forecasting*, Gabrielle Watkins (Bethune-Cookman University) and Juan Calderon (Mentor; Bethune-Cookman University)
- *Variations in Local Beach Sediment Texture and Potential Impacts on Loggerhead Turtle Gender*, Aleksandra Femiano (Daytona State College) and Debra Woodall (Mentor; Daytona State College)
- *Quantitative Survey and Classification of Macro Beach Debris in Volusia County, Florida*, Thea Sudeall and Alexandra France (Bethune-Cookman University) and Yungkul Kim (Mentor; Bethune-Cookman University)
- *Zooplankton Density in Dragline Ditch Marsh Sites Compared to Natural Waterways*, Lauren Albury (Bethune-Cookman University) and Sarah Krejci (Mentor; Bethune-Cookman University)
- *Sharks of Volusia County*, CJ Newlon, Seth Dolan and Katelyn DiGirolomo (Daytona State College) and Debra Woodall (Mentor; Daytona State College)
- *Benthic and Pelagic Copepod Feeding Preferences of Dwarf Seahorses, Hippocampus zosterae*, Alyssa Stubbs and Ja'Kaila Jefferson (Bethune-Cookman University) and Sarah Krejci (Mentor; Bethune-Cookman University)

- *Sound as an Environmental Indicator for Evaluating Real-time Impact on Animal Populations*, Channah Lohman and Michael Williams (Daytona State College) and Debra Woodall and Jake Nicely (Mentors: Daytona State College)
- *Hang Ten (Kilowatts)!: Exploring the Potential of Harvesting Wave Energy off our Local Beaches*, Andrew Hardwick (Daytona State College) and Debra Woodall (Mentor; Daytona State College)

### **STUDENT ORAL PRESENTATIONS (cont.)**

- 1:10** *A Day in the Life of the Indian River Lagoon*, Coleman Beardsley, Gavin Birchfield, Crystal Aguilar, Sebastiano Spallone and Tyler Smith (Atlantic High School) and Jennifer Spain (Mentor; Atlantic High School)
- 1:20** *Bacteria: The Unfinished Story from a Shark's Mouth*, Katelyn DiGiloromo (Nova Southeastern University) and Isabella Storozkova and Debra Woodall (Mentors; Daytona State College)
- 1:30** *Alternative Oyster Restoration Methods*, Xena Abella (University of Central Florida) and Jessy Wayles (Mentor; Marine Discovery Center)

### **AFTERNOON SESSION**

- 1:40** *Indian River Lagoon Challenges and Opportunities: Looking Ahead to 2030*, Kathy Hill, Deputy Director, IRL Council & Indian River Lagoon Estuary Program
- 2:00** *Florida Springs Soundscape Project* Nathan Wolek, Professor of Digital Arts, and Chaz Underriner, Assistant Professor of Digital Arts, Stetson University
- 2:20** *Harmful Algal Blooms in the Indian River Lagoon*, Malcolm McFarland, Research Associate, FAU Harbor Branch Oceanographic Institute
- 2:40** *The Fickle Flickering of Seagrass*, Lori Morris, et al., Environmental Scientist IV, Division of Water and Land Resources; Bureau of Water Resources, St Johns River Water Management District
- 3:00** *Microplastics and Endangered Wading Birds: Citizen-Scientists Assist with Indian River Lagoon Research*, Linda Walters, Professor and Pegasus Professor, University of Central Florida
- 3:20** *The Changing Landscape of Florida Manatee Conservation*, Katie Tripp, Former Director of Science and Conservation, Save the Manatee Club
- 3:40** *Status Assessment for the Diamondback Terrapin in Florida*, Traci Castellon, Assistant Research Scientist, Florida Wildlife and Fisheries
- 4:00** *Is the Lagoon Improving: Annual IRL Health Update*, Leesa Souto, Executive Director, Marine Resources Council
- 4:20** **STUDENT PRESENTATION AWARDS**

***The Great Animal Orchestra: Finding the Origins of Music in the World's Wild Places—Book-signing Event and Casual Cocktails with Dr. Bernie Krause*** Immediately following ShORE 2019, News-Journal Center Grand Lobby, 221 N. Beach St., Daytona Beach, FL (Please contact [community@AtlanticCenterForTheArts.org](mailto:community@AtlanticCenterForTheArts.org) for book enquiries)