



RESILIENCE AND RESPONSE OF MARINE ORGANISMS TO ENVIRONMENTAL CHANGE

Wednesday, August 4, 2021

SCDNR Marine Resources Research Institute Auditorium

<https://cofc.zoom.us/j/84847677012> passcode: 330374

9:35 INTRODUCTION

9:45 **Emily Dombrowski.** Temperature tolerance and physiology of the horseshoe crab *Limulus polyphemus*. *Mentor:* Dr. Jody Beers

10:00 **Elle Pestorius.** Contrasting native and invasive algal physiology to understand competitive abilities between different habitats. *Mentor:* Dr. Heather Spalding

10:15 **Aubrey Anthony.** Exploring the Ecological Impacts of Freshwater Salinization: Comparing the Salinity Tolerance of Predators and Prey. *Mentor:* Dr. Allison Welch

10:30 **Adriana Apintiloaiei.** Algae and microplastic distribution in stormwater detention ponds. *Mentor:* Dr. Barbara Beckingham

10:45 COFFEE BREAK

11:00 **Sophie Spiegel.** Distribution and human consumption risk analysis of edible seaweeds in Charleston, South Carolina. *Mentor:* Dr. Heather Spalding

11:15 **Regan Honeycutt.** Carryover effects of elevated salinity exposure during embryonic and larval development of southern toad (*Anaxyrus terrestris*). *Mentor:* Dr. Allison Welch

11:30 **Olivia Suarez-Cudd.** Comparative Study of the Microbiomes of Macroalgae Species from 'Ewa Beach, Hawai'i. *Mentor:* Dr. Heather Fullerton

11:45 **Christian Simmons.** Puncture resistance of shark and moray eel skin. *Mentor:* Dr. Andrew Clark

12:00 LUNCH (provided for interns, family, research mentors, and GML support staff)

1:30 **Joelle Reich.** Biosignature volatiles of extremophilic archaea. *Mentors:* Dr. Moshe Rhodes & Dr. Peter Lee

1:45 **Zoe Munson.** Effects of elevated CO₂ exposure on post-molt recovery of pinching force in the ornate blue crab, *Callinectes ornatus*. *Mentor:* Dr. Robert Podolsky

2:00 **Charles Taibi.** Gradients in sediment chemistry across tidal elevation in South Carolina salt marshes. *Mentors:* Dr. Erik Sotka, Dr. Theodore Them & Dr. Scott Harris

2:15 **Timara Vereen.** Effects of the eastern mud snail on the community structure of benthic microalgae. *Mentors:* Dr. Craig Plante, Kristina Hill-Spanik & Josiah Waters

2:30 **Jake Kuenzli.** Examining the role of marine sponges in the production and consumption of DMSP. *Mentors:* Dr. Peter Lee & Dr. Christopher Freeman

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