



2021 HMSC Research Experiences for Undergraduates Symposium

Thursday, August 19, 2021

9:30 AM – 12:40 PM

Zoom Link/Registration: <https://beav.es/3Ct>

9:30 Welcome

9:35 Lauren Keilani Meader

Oregon State University

Mentors: Dr. Scott Heppell, Oregon State University/Hatfield Marine Science Center

Dr. Brice X. Semmens, Scripps Institution of Oceanography

The Analysis of Nassau Grouper Lengths through Stereo Video Measurements, Coupled with Facial Recognition to Develop a Yearly Growth Rate

9:50 Mateo Estrada

Oregon State University

Mentors: Dr. Leigh Torres & Dawn Barlow, Oregon State University/Hatfield Marine Science Center/ GEMM Lab

Impacts of earthquake activity on Blue Whale calling using non-invasive acoustics

10:05 Marc Donnelly

Carleton College

Mentors: Dr. Leigh Torres & Clara Bird, Oregon State University/Hatfield Marine Science Center/GEMM Lab

Understanding the Relationship between Gray Whale Behavior and Habitat Across Spatial Scales

10:20 Benjamin Kuykendall

Grand Canyon University

Mentors: Dr. Sarah Henkel, Oregon State University/Hatfield Marine Science Center/ Benthic Ecology Lab

Caloric Value of Bait utilized in Dungeness Crab Trapping

10:35 Jacob Ridgway

University of South Dakota

Mentors: Dr. Will White, Oregon State University/Hatfield Marine Science

Biological effects within no-take marine reserves: synthesizing a decade of global change

10:50 Aidan Cox

University of Washington

Mentors: Dr. Suzanne Winkquist, Dr. Rachael Orben, Oregon State University/Hatfield Marine Science Center

Automating the Analysis of Animal Borne Video: An Adélie Penguin Case Study

11:05 Break

11:20 Joshua Mayo

UC Santa Cruz

Mentors: Dr. John Chapman & Dr. Brett Dumbauld, Oregon State University/Hatfield Marine Science Center/ U.S. Department of Agriculture

*Host parasite relationships between a bopyrid isopod (*Orthione griffensis*) and a Pacific Northwest coast mudflat ecosystem engineer (*Upogebia pugettensis*): Wait or die trying?*

11:35 Laney Klunis

CSU Monterey Bay

Mentors: Dr. Rachael Orben, Oregon State University/Hatfield Marine Science Center/Seabird Oceanography Lab

Time Series of Pelagic and Brandt's Cormorant Reproductive Success from 2011 - Present

11:50 Samantha Biltgen

Hendrix College

Mentors: Dr. Susanne Brander, Oregon State University/Ecotox. and Env. Stress Lab/Fisheries, Wildlife, and Conservation Dept./COMES

*Microplastic Distribution and Abundance in Mussels (*Mytilus californianus*) Along the California and Oregon Coasts*

12:05 Raziel Lederman-Beach

UC Santa Cruz

Mentors: Dr. Jessica Miller, Dr. Zoe Almeida, Dr. Craig Norrie, Oregon State University
*Effects of Maternally-Experienced Ocean Acidification on Staghorn Sculpin (*Leptocottus armatus*) Adult and Offspring Condition*

12:20 Wells Calac

CSU Monterey Bay

Mentors: Dr. Ryan Mueller, Dr. Maude David, Oregon State University

The effects of changing ocean conditions on the diversity of microbes inhabiting seagrass

12:35 Closing Remarks – Group Zoom Photo

Note: Times are approximate depending on the length of Q&A period following the interns' 15-minute presentations.