2021 GMRI Research Experience for Undergraduates (REU) Annual Research Symposium

Thursday August 5th, 1:00 – 4:00

The GMRI REU Site, funded by the National Science Foundation, focuses on '*integrated studies in a rapidly warming fishery ecosystem*'. The REU class of 2021 has worked hard all summer on a range of topics related to the Gulf of Maine fishery ecosystem and coastal communities. At this year's annual symposium, you will hear about projects that consider the impacts of elevated nitrogen levels and green crabs on mussel health, effects of temperature on juvenile herring, drivers of tuna migration, effect of lights on lobster catches, trends in spiny dogfish and tuna diets, the impact of sea level rise on waterfront businesses, the effect of fishing strategies on blue carbon sequestration. We hope you can join us to hear more about this new and exciting research!

1:00 – 1:05	Intro and opening comments (G. Sherwood)
1:05 – 1:25	**Brian Determan**, Southern Maine Community College: The effects of nitrogen levels on the fitness of blue mussels (*Mytilus edulis*) in Casco Bay, Maine.
1:25 – 1:45	**Inumidun Oyebode**, University of Pennsylvania: Crab attack! Quantifying the effects of European green crabs (*Carcinus maenas*) on the health of blue mussels (*Mytilus edulis*) in Casco Bay, Maine.
1:45 – 2:05	**Zahra Hasan**, Texas A&M University: Herring in a hurry! Temperature as a driver of Atlantic herring abundance and habitat use in Casco Bay, Maine.
2:05 – 2:25	**Megan Carmen**, Bowling Green State University: An investigation of potential drivers of eastern origin bluefin tuna in the Gulf of Maine fishery.
2:25 – 2:30	Break
2:30 – 2:50	**Elinor Tierney-Fife**, Bates College: Analyzing the effect of intra-trap fishing lights on landings of American lobster (*Homarus americanus*) in the nearshore Gulf of Maine commercial fishery.
2:50 – 3:10	**Wanda Rivera-Zayas**, University of Puerto Rico at Cayey: Temporal trends in diet of spiny dogfish (*Squalus acanthius*) in US northeast waters.
3:10 – 3:30	**Emily Andrade**, University of San Diego: Stomach content analysis of Atlantic bluefin tuna (*Thunnus thynnus*) in the Gulf of Maine.
3:30 – 3:50	**Esteban Lorenzo-Vélez**, Eckerd College: Business ecosystem: An approach to monitor effects of sea level rise in Portland Harbor, ME.
3:50 – 4:10	**Jonathan Falciani**, Temple University: Optimizing fisheries for blue carbon sequestration: why size matters.

****Thank you for attending! And thank you to all who helped make our program a success!****