

2024 GMRI Research Experience for Undergraduates (REU) Annual Research Symposium

Thursday August 8th, 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 2024 has worked hard all summer on a range of topics related to GMRI’s ongoing work in ensuring sustainable fisheries, resilient coastal communities and an engaged and informed public and student population. At this year’s annual symposium, you will hear about projects that explore diverse subjects including • the importance of place attachment in our education programs • attitudes towards offshore wind development • tuna management and market outcomes • fish energetics in the northeast • vulnerability of mudflats to climate change • predator effects on blue mussels • surveying mussel beds with sonar • life-history variation in cod and pollock and • tuna prey energetics. We hope you can join us to hear more about this new and exciting research!

- 1:00 – 1:05 **Graham Sherwood**, GMRI Research Scientist and REU program lead: Intro and opening comments.
- 1:05 – 1:20 **Frances Canant**, McGill University: *The impact of place attachment on informal educational experience.*
- 1:20 – 1:35 **Molly Murphey**, Scripps College: *Developing an environmental concern framework for offshore wind in the Gulf of Maine through public comment analysis.*
- 1:35 – 1:50 **Diego Trevino**, Colby College: *The tragedy of a luxury: Using economic theory to understand the linkage between Atlantic bluefin tuna management and market outcomes.*
- 1:50 – 2:05 **Lora LaRochelle**, Colby College: *Measuring and modeling changes in fish condition in the Northeast.*
- 2:05 – 2:15 Break
- 2:15 – 2:30 **Dakota Williams**, University of Miami: *A morphodynamic approach to characterizing Maine mudflats for conservation in a changing climate.*
- 2:30 – 2:45 **Naia Fulton-Jones**, Texas State University: *Predation effects on juvenile mussels (*Mytilus edulis*) in a warming environment.*
- 2:45 – 3:00 **Alleyah Britton**, University of Maryland Eastern Shore: *Applying acoustic habitat classification to map sub-tidal blue mussel (*Mytilus edulis*) beds in Casco Bay.*
- 3:00 – 3:15 **Ryan Kees**, John Brown University: *Exploring spawning time variability in color-morphs of Atlantic cod and Atlantic pollock.*
- 3:15 – 3:30 **Chima Amaechi**, Berea College: *Tuna prey energetics in the Gulf of Maine*
- 3:30 – 3:35 **Graham Sherwood**: Closing remarks.

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