

## 2025 GMRI Research Experience for Undergraduates (REU) and Colby Buck Lab (at GMRI) Annual Research Symposium

Thursday August 7<sup>th</sup>, 1:00 – 4:00

The GMRI REU Site, funded by the National Science Foundation, provides authentic undergraduate research experiences related to ‘*Ecological and social change in a rapidly warming ocean region*’. The Colby Buck Lab internship offers undergrads with hands-on research training through placements with partner organizations like GMRI. REU students and Colby interns have worked hard all summer on a range of topics related to GMRI’s ongoing mission to develop and deliver collaborative solutions to global ocean challenges. At this year’s annual symposium, you will hear about projects that explore diverse subjects including • zooplankton preservation methods • forage fish condition and climate variability • seabirds as ecosystem indicators • shellfish population trends and environmental drivers • aquaculture research and training • community engagement for climate resilience • offshore wind development and fisheries interactions • offshore wind impacts on coastal labor markets • coastal erosion and habitat change • and seafood marketing and local food systems. 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 – Introduction and opening comments.
- 1:05 – 1:20     **Kazimir Reszetar**, Eastern Michigan University – Quantifying the decay of lipid sacs in *Calanus finmarchicus* during storage in formalin
- 1:20 – 1:35     **Sofia Barajas**, California State University, Monterey Bay – Exploring interannual variations in adult alewife energy condition as a proxy for changing environmental and feeding conditions in the Gulf of Maine
- 1:35 – 1:50     **Janie Fingal**, Scripps College – Tern down for what? Common terns (*Sterna Hirundo*) as indicators of marine ecosystem health in Casco Bay
- 1:50 – 2:05     **Julia Victor**, Scripps College – Unhappy as a clam: characterizing changes in soft-shell clams (*Mya arenaria*) in Maine and understanding the environmental conditions responsible for trends
- 2:05 – 2:20     **Ella Oppenheimer**, Colby College – My summer with GMRI’s Aquaculture program
- 2:20 – 2:30     **Break**
- 2:30 – 2:45     **Ella Madden**, Colby College – Pages, plans and policy oh my! community engagement tools for climate resilience
- 2:45 – 3:00     **Norah Adler**, Colby College – Gone with the wind? Massachusetts fishermen and offshore wind developers’ coexistence in the Gulf of Maine
- 3:00 – 3:15     **Adam Whalen**, Grinnell College – Offshore wind and coastal labor markets: a difference-in-difference approach
- 3:15 – 3:30     **Christian Sullivan**, Bowdoin College – Characterizing tidal mudflat morphology and bluff erosion at Maquoit Bay, Brunswick, ME
- 3:30 – 3:45     **Kate Gregory**, Colby College – Shucking it up: working on ways to increase demand for local seafood
- 3:45 – 3:50     **Graham Sherwood**, closing remarks

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