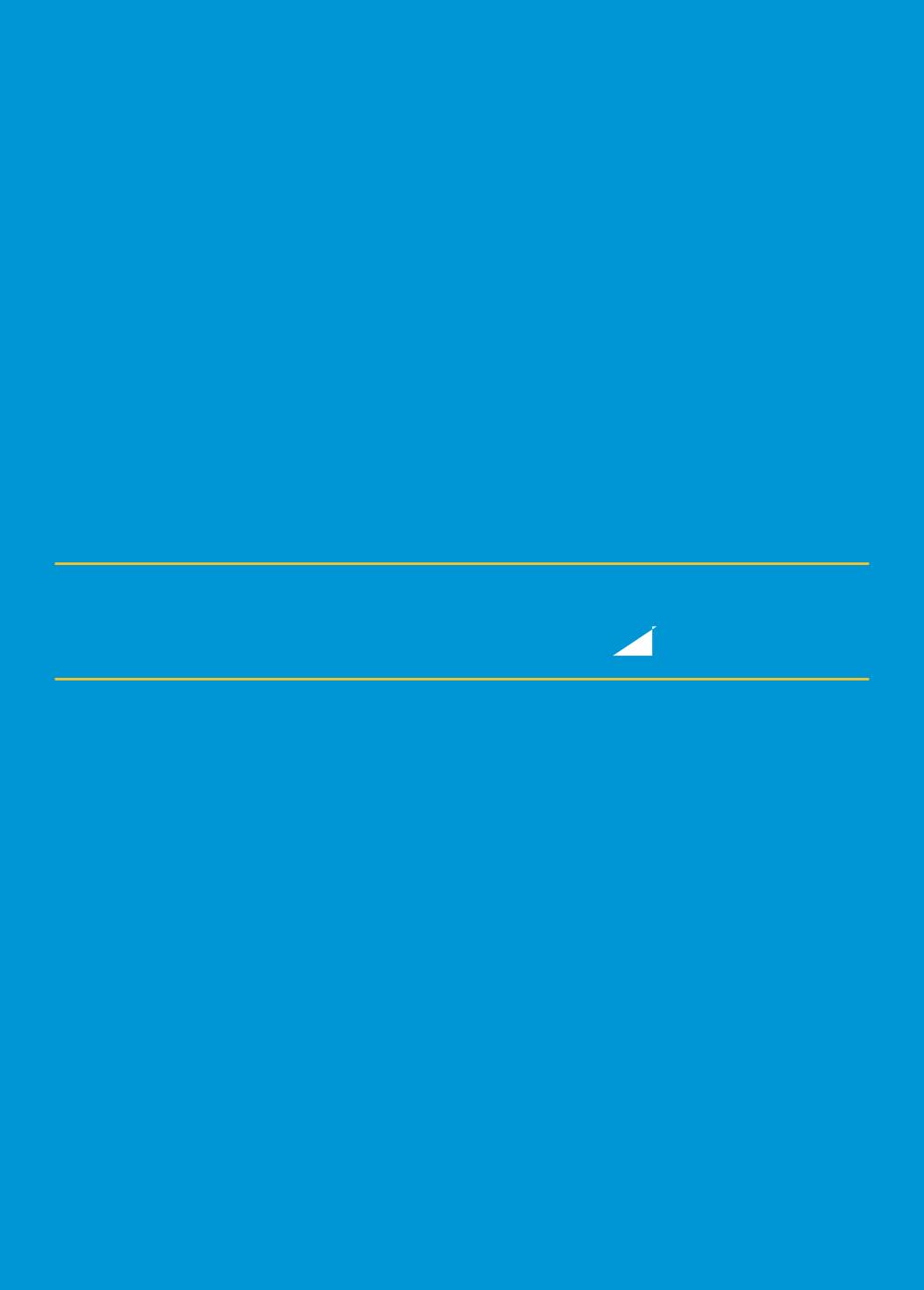
College of Arts and Sciences Westbrook College of Health Professions



Saturday, September 23, 2023 | 9–11 a.m. *A*



63. Goat Island Alternative Energy Project

Student Author(s)

Abstract

Funded by

Cameron Indeck '22 | , .D.

Faculty Advisor(s)

1833.

1. Novel Cultivation Technique for a Common Species: Sea Lettuce (Ulva lactuca)

Sophia Tearman '25 | C B , .D.

2. Using In Vivo Tagged RNA to Examine Autophagic Degradation of RNA Decay Fragments

Dez Schrankel '24

G , .D

3. The Effects of Vegetation Dieback Areas on New England Salt Marsh Vegetation

Caroline Fales '25 |

, .D.,

.D.

4. Impact of Prophylactic Ceftriaxone on Antimicrobial Resistance in Out-of-Hospital Cardiac Arrest Patients

Cailyn Wheeler '25 |

В

.D.



7. Visualizing Elastin-Like-Polymer Behavior with Atomic Force Microscopy

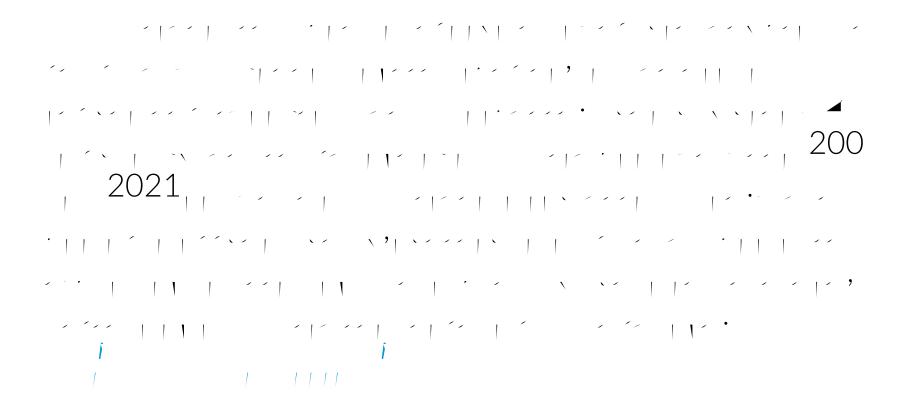
8. Effects of Early Life Pain on Amygdalar CRF Expression in Developing Rodents

Brooklynn Merrill '25, Megan Tomasch '25 | B , .D., , B. .

9. Establishing Pre-restoration Sites of Agalinis maritima on the Biddeford Pool Salt Marsh

10. The Growth of Mega Pool Systems in 12 Maine Salt Marshes From 2009 to 2021

Katelyn DeWater '25 | , .D.



11. Effect of Antimicrobial Peptides on Antibiotic-Mediated Killing of Bacterial Biofilms

Anjanadevi Govindaraj '24, Alya Theriault '24 | B , .D.

12. Thermal Tolerance and Temperature Thresholds in Jonah Crabs

Anna Sinclair '24 |

F

.D.

13. Comparison of Bone Density in College Male and Female Ice Hockey Players Throughout a Season

Sarah Collins '24 | , .D., ...

\ | |

14. Postural Effects on Power

15. Using eDNA as a Tool to Monitor Biodiversity

Josephine Pikowski '26 \mid E . , . , . , C , . .D., B , F , .D.

19. Assessing the Efficiency of a Microprocessor-based Bycatch Reduction Device on the Atlantic Spiny Dogfish (Squalus acanthias) in Recreational Fisheries

Clayton Nyiri '25 | , .D., D. , ., ., B , .D., B , .D., G , .D., , .D., B D , .D.

(157, 0()415, 130,6(] ()



23. Microplastic Contamination and Tissue Distribution in Atlantic Sea Scallops

Amber-Rae Pesek '24 B, .D.

24. Antimicrobial Compounds in Reproductive Parts of the Seaweed *Fucus vesiculosus* and Their Effectiveness Against Human Pathogens

Claire Dyer '26 , .D

25. Observing Mitochondrial Dysfunction in Saccharomyces cerevisiae

Abigail Blouch '24 | G , .D.

26. Phase Behavior of Multi-Stimuli Responsive Biopolymers

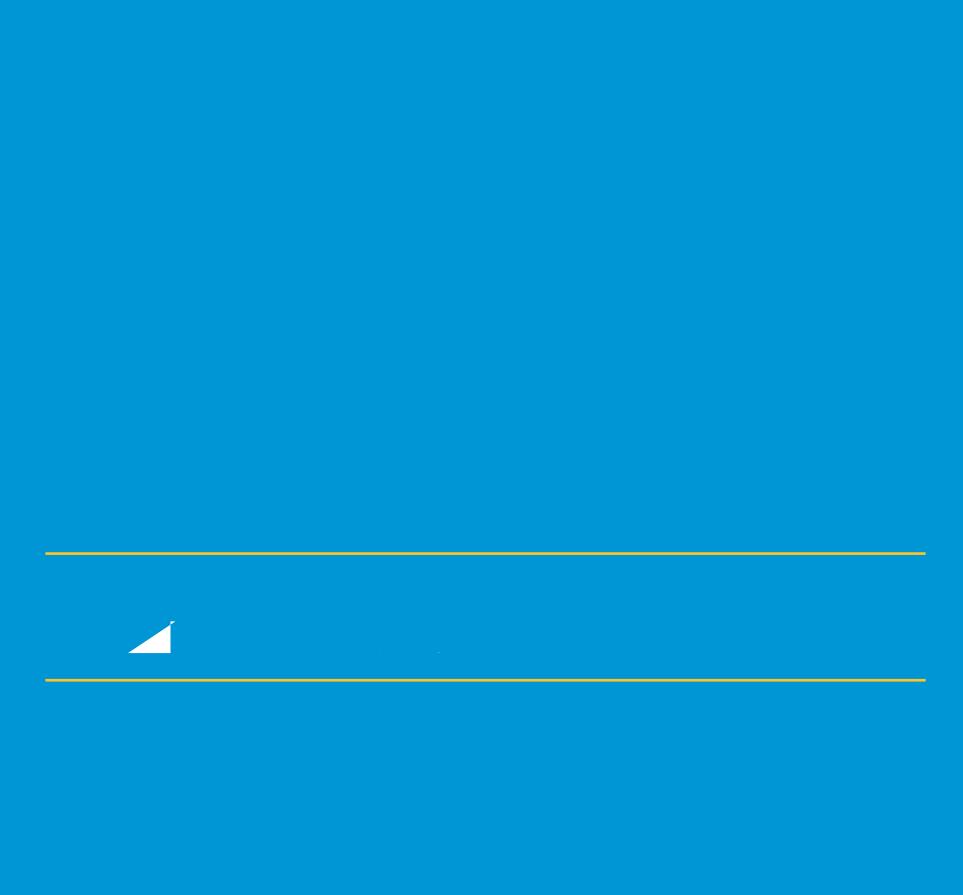
Peter Swanson '24, Ben Wheeler '24 | E B , .D.

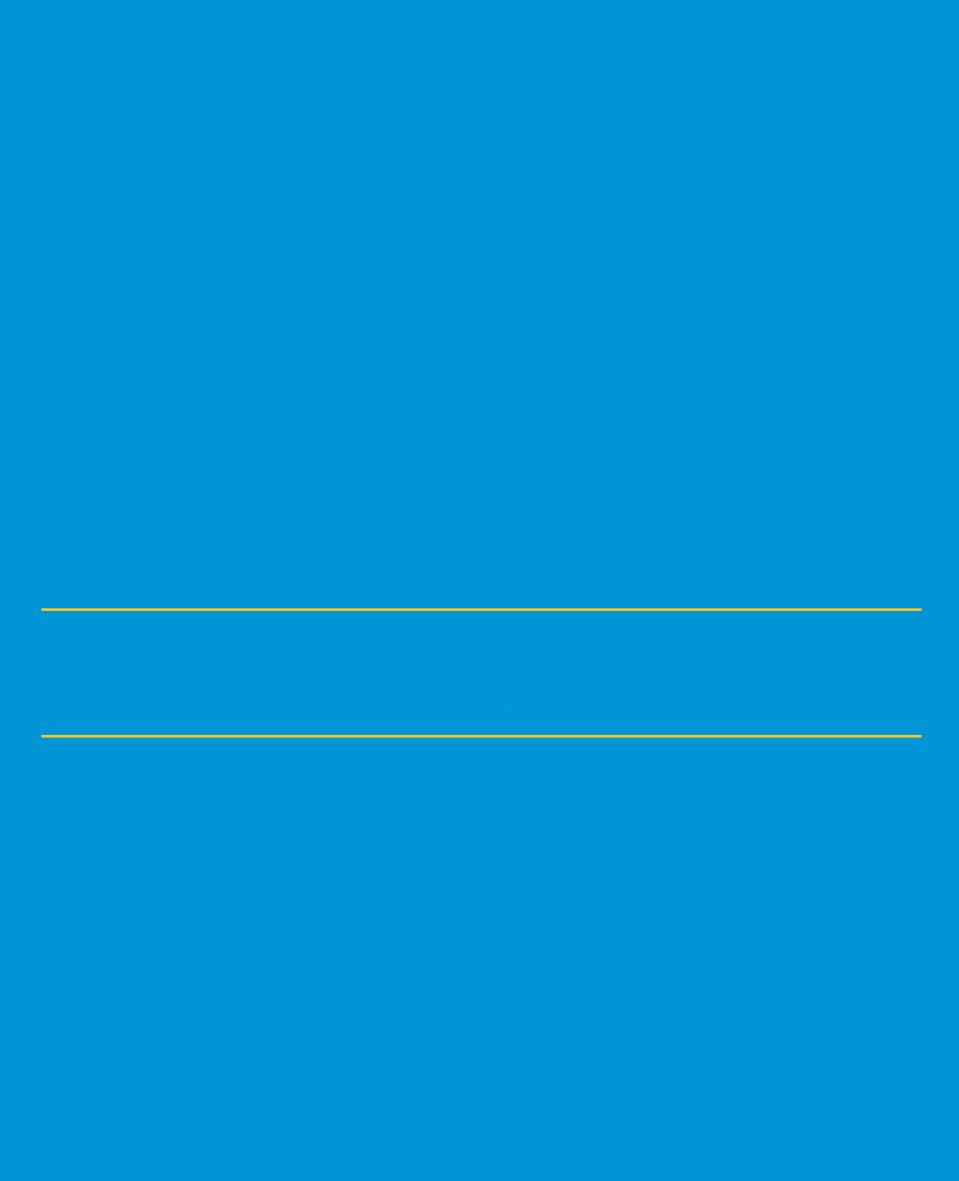
27. Oxidation Reactions with Dicopper Catalysts in Hydrogen Peroxide Solution

Will DeFroscia '24 | F , .D.

28. Epigenetic Changes in DNA Methylation are Involved in the Lasting changes in Pain Sensitivity Following Neonatal Intensive Care Unit (NICU)-like Treatment in Rats

Aidan J.G. Fox '24, Emma Naess '24, Megan Tomasch '25 | B , .D., , B. .





THANK YOU 2023 •

