

2025 North American Lobster Science Symposium Preliminary Program

Location: Wells Conference Center, 131 Munson Rd, Orono, Maine

Wednesday, November 5th
(all times Eastern Standard)



4:00 PM	Poster Session and Reception Wells Conference Center Main Conference Room 1	
	Devan Archibald, Canadian Lobster Research Network Kate Behrens, University of Maine Ryan Bergman, St. Francis Xavier University Nicole Cubba, Gloucester Marine Genomics Institute Jacob Dorothy, Massachusetts Division of Marine Fisheries Emma Dullaert, University of Maine Ella Jones, Virginia Institute of Marine Sciences Peter Jordan, Maine Department of Marine Resources Shelby Joyce, Rhode Island Dept. of Environmental Mgmt.	Da Eun Kim, CUNY Queens College Sarah Koshak, Virginia Institute of Marine Sciences Noelle Olsen, Commercial Fisheries Research Foundation Alex Pierce, University of Maine Chloe Root, University of Maine Ben Segee, Oceanarium, Bar Harbor, ME Annie Trembley, University of New Brunswick Marijune Tiamzon, University of New Brunswick Grace Walls, St. Francis Xavier University
6:00 PM	Dinner (provided)	
7:00 PM – 8:00 PM	Plenary: Welcome and Keynote Address Wells Conference Center	
	Welcome: Keynote:	Dr. Diane Rowland, Dean, College of Earth, Life, & Health Sciences, University of Maine "Lobster in a Changing Environment: Breaking Down Barriers through Collaborative Research" Dr. Amalia Harrington, Asst. Professor of Marine Biology, School of Marine Science, University of Maine

Thursday, November 6th
 (all times Eastern Standard)

8:00 AM	Breakfast (provided)
8:30 AM	Co-Host Introductory Remarks
	Chris Cash, Executive Director, Lobster Institute Michelle Brown, Lobster Research and Extension Coordinator, Maine Sea Grant Dr. Dounia Daoud, Executive Director, Canadian Lobster Research Network
9:00 AM	Plenary: Navigating the New Arctic: Lobster Network
	<i>“Rapid Arctic Change and its implications for fisheries and fishing communities of the western North Atlantic”</i> Principal Investigator: Dr. Damian Brady, Agatha B. Darling Professor of Oceanography, University of Maine Research Team Panel: Dr. Patrick Alexander, Columbia University Dr. Xiaobiao Xu, Florida State University Dr. Joaquim Goes, Columbia University Jaehong Kim, Florida State University Dr. Andrew Goode, University of Maine Miguel Barajas, Gulf of Maine Research Institute Jay Kim, Gulf of Maine Research Institute TBD, University of Maine
10:00 AM	Break
10:15 AM	Oral Presentations A: Concurrent Sessions 1A Biology, 2A Ecology, and 3A Community (See schedule details below)
Noon	Lunch (provided)
1:00 PM	Oral Presentations B: Concurrent Sessions 1B Biology, 2B Ecology, and 3B Community (See schedule details below)
2:45 PM	Break
3:00 PM	Oral Presentations C: Concurrent Sessions 1C Biology, 2C Ecology, and 3C Community (See schedule details below)
4:45 PM	Closing Remarks

Oral Presentation Tracks 1: Biology; 2: Ecology; and 3: Community (all times Eastern Standard)

Session Track 1: Biology Wells Conference Center Room 1

Session 1A: Early Life History & Growth (10:15 am to Noon)

10:15	Heather Glon, Maine DMR	Updating Molt Increments and Predictive Indicators in <i>Homarus americanus</i> within the Gulf of Maine
10:35	Lydia White, Univ of New Brunswick	Quantifying the contribution of interindividual variability in embryo development to the protracted hatch period of American lobster (<i>Homarus americanus</i>).
10:55	Eric Annis, Hood College, MD	Linking larval temperature tolerance in the lab to settlement and performance in the field in the American Lobster
11:15	Jason Goldstein, Wells NERR	American lobster postlarval swimming dynamics in warming waters and implications for settlement success in the Gulf of Maine
11:35	Maura Niemesto, Bigelow Laboratory	Depth-wise and seasonal patterns of American lobster larvae and their planktonic prey in the Gulf of Maine: implications for the food limitation hypothesis

Session 1B: Diet & Trap Behavior (1:00 to 2:45 pm)

1:00	Russel Wyeth, St. Francis Xavier Univ.	Influences of prey type on American lobster agonistic behaviours
1:20	Madeleine Yung, UMaine	Impacts of Diet and Temperature on <i>Homarus americanus</i> physiology
1:40	Grace Walls, Memorial University, NL	Biotic and abiotic influences on American lobster, <i>Homarus americanus</i> , response to bait
2:00	Alex Ascher WHOI, Quahog Bay Cons.	Lobster larval trophic dynamics within convergence zones
2:20	Josh Carloni, NH Fish & Game	The influence of temperature and lobster abundance on the catch of juvenile lobsters in both standard ventless and experimental juvenile lobster traps.

Session 1C: Disease, Health, & Stressors (3:00 to 4:45 pm)

3:00	Benjamin Gutzler Wells NERR	Biologging through the supply chain: datalogger measurements of lobster heart rate to understand the effects of on-vessel holding conditions
3:20	Davide Asnicar Huntsman Marine Sci Ctr., NB	Effects of aquaculture drugs and pesticides on non-target marine invertebrates: a focus on the American lobster
3:40	Reyn Yoshioka Bigelow Laboratory	Understanding patterns of epizootic shell disease and temperature along the Maine Coast
4:00	Melissa Rocker Bigelow Laboratory	What is the future of epizootic shell disease in the Gulf of Maine?
4:20	Robert Bayer UMaine	Post-Harvest Mortality Related To High Speed Trap Haulers, Impact On The Sub-Legal Populations

Oral Presentation Tracks 1: Biology; 2: Ecology; and 3: Community (all times Eastern Standard)

Session Track 2: Ecology Wells Conference Center Room 2

Session 2A: Climate & Population Dynamics

10:15	Hsiao-Yun Chang, UMaine	Habitat-Associated Distribution Shifts of Juvenile American Lobster (<i>Homarus americanus</i>) in the Gulf of Maine Nearshore
10:35	Amy Irvine Oceans North, NS	Assessing Climate Risk and Building Resiliency in Northwest Atlantic Fish Stocks
10:55	Miguel Barajas GMRI	Simulating American lobster population dynamics under scenarios of ocean warming in the Northwest Atlantic Ocean
11:15	Claire Enterline GMRI	Environmental Change and American Lobster: Habitat Use, Predation, and Ecosystem Shifts in the Northeast US
11:35	Andrew Goode UMaine	Climate impacts on American lobster larval connectivity in the Gulf of Maine

Session 2B: Spatial Ecology

1:00	Jean-Francois Laplante, Les Îles-de-la-Madeleine, QC	Integrating Tagging Data into a Custom Mapping Software for Lobster Research
1:20	Jie Yin, SUNY Stony Brook	Integrating abiotic and biotic factors to improve predictions of American Lobster distributions in the Gulf of Maine
1:40	Sophia Ruh Univ of New Haven	Investigating the correlation between temperature and <i>Homarus americanus</i> population dynamics from Connecticut to Maine 2000 to 2019
2:00	Emily Blacklock, Univ of New Brunswick	Utilizing pop-up satellite archival tags to monitor the migratory movements of American lobster, <i>Homarus americanus</i> , from the Bay of Fundy
2:20	Meghan Fraser, Homarus, NB	Movement of American lobster, <i>Homarus Americanus</i> , in northern New Brunswick.

Session 2C: Stocks

3:00	Burton Shank, NOAA-NEFSC	Simulating landings under changing settlement dynamics
3:20	Tracy Pugh, Mass DMF	2025 Lobster Stock Assessment review
3:40	Jillian Swinford, Mass DMF	Declines in ovigerous females in southern Massachusetts: a warning of worsening stock conditions or a symptom of behavioral changes?
4:00	Genevieve Neslage, UMCES	Novel seasonal growth model applied to American lobster in the Gulf of Maine and Southern New England, US
4:20	Corrine Truesdale, RI DEM	Reevaluating American lobster growth and movement in a warming southern New England

Oral Presentation Tracks 1: Biology; 2: Ecology; and 3: Community (all times Eastern Standard)

Session Track 3: Community Wells Conference Center Room C

Session 3A: Human and Community Dimensions

10:15	Melissa Cronin, UMass-Dartmouth, SMAST	Leaving the coast behind: Displacement and inland migration in the Maine lobster fishery
10:35	Monique Coombs, ME Coast Fishermen's Assoc.	Inventoring Working Waterfronts and Understanding Coastal Community Dynamics
10:55	Clea Harrelson, UMaine	Understanding Social Science Contributions to the Lobster Industries of the Northwest Atlantic and Future Directions for Research
11:15	Tracy MacKeracher, UMaine	Exploring wellbeing among commercial lobster fishers in Nova Scotia, Canada
11:35	Joelle Kilchenmann, UMaine	Microadaptation in the Maine Lobster Fishery in the Face of Change

Session 3B: Ocean Dynamics & Decision Making

1:00	Heather Koopman, Grand Manan WSRS, NB	Hitching a ride! Using surface drifters to approximate where Canadian LFA 38 larvae are carried by ocean currents.
1:20	Noah Oppenheim, Homarus Strategies	Removing Derelict Traps from the Gulf of Maine
1:40	Linus Stoltz, CFRF	An Emerging Oceanographic Data Product to Support Ecological Research
2:00	Katy Bland, NERACOOS	Connecting Fishermen and Ocean Data: Insights from the 2025 Ocean Data Visualization Tools Workshop
2:20	Jay Kim, GMRI	Mental Models of Decision Making in the Maine Lobster Fishery,

Session 3C: Fishing Patterns & Conservation

3:00	Yunzhou Li, SUNY Stony Brook	Capturing fleet dynamics in the Gulf of Maine lobster fishery to inform spatial risk of the North Atlantic right whale entanglement
3:20	Lyne Morissette, M - Expertise Marine inc., QC	Redefining Coexistence: Integrating Science and Fishermen's Knowledge to Protect North Atlantic Right Whales and Lobster Fisheries in Southern Gaspésie
3:40	Kathleen Reardon, Maine DMR	Snapshots of a changing fishery
4:00	Nathan Willse, Maine DMR	Maine DMR Tracker Program