
SEA Fellows Symposium

Thursday, August 11, 2016 from 2-5 p.m.
University of Maine's Darling Marine Center in Walpole • Brooke Hall

- 2:00 p.m. Welcome by **Dr. Heather Leslie**,
Director of the University of Maine Darling Marine Center
- Featured remarks by **Dick Clime**,
aquaculture entrepreneur and Coastal Enterprises, Inc. project manager
- 2:30 p.m. Poster Session 1
- 3:15 p.m. Refreshment break
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- 4:15 p.m. Closing remarks by **Dr. Brian Beal**,
Professor at University of Maine at Machias and
Scientific Director of the Downeast Institute
- 4:30 p.m. Optional tour of the DMC shellfish hatchery and business incubation
facilities with **Dr. Heather Leslie**
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SEA (Science for Economic Impact & Application) Fellows is a new program developed by the University of Maine and University of Maine at Machias to catalyze university-industry partnerships.

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Darling Marine Center

Poster Session 1:

1. Long-term study of the decline in biodiversity of invertebrate species in Lowes Cove. **Aaron Burdeau** and **Taja Harper**. University of Maine.
2. Freshwater surface flow patterns and processes in coastal Maine settings. **Caroline Carrigan***, Whitley Gilbert, Abi Bradford, Nicholas Richmond, Sean Smith, Damian Brady. University of Maine.
3. Survivorship rates of commercially important species, soft shell clams (*Mya arenaria*), in the presence of invasive species, European green crabs (*Carcinus maenus*). **Andrew Davidsohn**. University of New England.
4. The effect of stocking density and water turbulence on growth and survival of *Mactromeris polynyma*. **Emmah Day***. University of Maine at Machias.
5. Changes in nutritional value of kelp during degradation with potential for shellfish nutrition. **Erynn Mills**. University of New England.
6. Development of ocean acidification research at the Darling Marine Center (DMC). **Andrew Moreira**, Matthew Gray, Jay Lunden. Mount Allison University.
7. Preliminary sampling of the Bagaduce river estuary. **Sarah Nevin**, Anastasia Wright, Alexandra Allen, Chase Davidson, Jim McKenna. Maine Maritime Academy.
8. *Homarus americanus* cuticle sample extraction procedure and graphical analyses of new cuticle structures. **Melissa Rosa** and Joseph Kunkel. University of New England.
9. Optimizing extractions of polyphenolics in Maine seaweeds. **Grace Scott**, Marissa Lynch, Amber Elwell, Emi Soucy, and Angela Myracle. University of Maine.

Poster Session 2:

1. You are what you eat: testing the biodeposition method for different size classes of *Crassostrea virginica*. **Antonia M. Barela***. University of Maine.
2. Investigating the impact of past climate change on Maine fishing communities. **Tom Kiffney**, **Madison Marra**, and Loren McClenachan. Colby College.
3. Predator exclusion methods and stocking density effects on *Mactromeris polynyma* growth and survival. **Justin Lewis***. University of Maine at Machias.
4. Infection dynamics of the Acanthocephalan *Profilicollis botulus* in the European green crab *Carcinus maenas* on the Maine coast. Tyler Van Kirk, Kathryn Liberman, **Corinne Mooring**, Katherine Lasdin, Emily Tarr, Caroline Spangenberg, Rebecca Lopez-Anido, Ian Bricknell. University of Maine.
5. Metabolic efficiency and nutritional profiles in commercially grown bivalves. **Katherine Perry**. University of New England.
6. Partnering with Maine's Lobster Industry: Understanding the link between shell hardness and health indicators to maximize survival in storage and shipping. **Margaret Towle*** and Richard Wahle, University of Maine. Curtis Brown, Ready Seafood.
7. The Phyto Games: Interspecific Competition between Flagellate Phytoplankton *Dunaliella tertiolecta* and *Isochrysis galbana affinis* Tahiti in Nutrient-Limited and Nutrient-Rich Environments. **Emily Vollmer**. University of New England.
8. Can we measure nitrate in real time in Maine estuaries? Determining the accuracy of *in situ* measurements of nitrate. **Breanna Whittemore***, Teiga Martin, Damian Brady, Sean O'Neil, Jeremy Rich. University of Maine.

* SEA Fellow