

**DAY-AT-A-GLANCE**  
**THURSDAY, 17 MARCH 2016**

	<b>Winslow/Homer</b>	<b>Longfellow</b>	<b>Ballroom</b>	<b>Sara Orne Jewett</b>	<b>Hawthorne</b>	
8:00	<b>Plenary</b>					8:00
9:30	BREAK					9:30
10:00	Conservation and Management I	Community Ecology I	Climate Change I	Biodiversity Ecosystem Functioning I	Arctic Ecosystems And Deep Sea Biology	10:00
12:00	FORAGING BREAK					12:00
1:30	Conservation and Management II	Community Ecology II	Climate Change II Gulf of Maine	Ecosystem Functioning II	Trophic Relationships I	1:30
3:15	BREAK					3:15
3:45	Conservation and Management	Community Ecology III	Climate Change III Evolution and Climate Change	Chemical Ecology	Trophic Relationships II	3:45
5:15	FREE TIME					5:15
6:00	POSTER SESSION in Eastland Ballroom					6:00
9:00						9:00

**Eastland Ballroom**  
**PLENARY (8:00-9:30 am)**  
**Boris Worm**

**THURSDAY MORNING (10:00am-12:00pm)**

	<b>Winslow Homer Conservation &amp; Management I</b>	<b>Longfellow Community Ecology I</b>	<b>Eastland Ballroom Climate Change I</b>	<b>Sara Orne Jewett Biodiversity &amp; Ecosystem Functioning</b>	<b>Hawthorne Arctic Ecosystems &amp; Deep Sea Biology</b>
<b>10:00</b>	<b>Snelgrove P.</b> Canadian Healthy Oceans Network II: Conservation science for ocean policy	<b>Harris R. D.</b> Drones for Ecotones: A Birds Eye View of Ecosystem Engineer Spatial Relationships	<b>Finley N.</b> Is Ocean Acidification Melting Sea Stars? The Effect of Lowered pH and Wasting Disease on Nearshore Asteroid Health	<b>Aravanitidis C.</b> Taxonomic vs functional patterns across European marine benthic habitats: using Research Infrastructures (LifeWatch, ESFRI) in large-scale ecology	<b>Thistle D.</b> Deep-sea harpacticoid copepods: habitat heterogeneity at the 10-km scale on the continental rise off California
<b>10:15</b>	<b>Smith C.</b> Hurricane damage along natural and engineered shorelines in NC: An economic and environmental evaluation	<b>Lasker H</b> A cryptic regime shift in benthic community structure on shallow reefs in St. John, US Virgin Islands	<b>Hale S.</b> Nearshore marine benthic invertebrates moving north along the U.S. Atlantic coast	<b>Yeager L.</b> Humans drive functional homogenization and weaken environmental control of reef fish faunas	<b>Bourque J.</b> Macrofaunal community dynamics in relation to sediment biogeochemistry and canyon morphology in Baltimore and Norfolk Canyons, USA
<b>10:30</b>	<b>McHenry J.</b> Modeling temporally explicit species assemblages to create regional habitat maps for spatial management	<b>Rasher D.</b> A cascade of fear: do sharks indirectly shape seaweed distribution on shallow coral reefs?	<b>Nardone J.</b> Evaluating the effects of environment on barnacle adhesion and biomineralization	<b>Valentine M.</b> Does the functional diversity of tropical sponge communities matter for water column characteristics?	<b>Campanyà-Llovet N.</b> Temporal variability in infaunal communities at methane hydrates
<b>10:45</b>	<b>Ricci S.</b> Use of underwater soundscapes to characterize fish behavior and habitat use within a complex mosaic of estuarine habitats	<b>Brown A.</b> Your history affects your future: Variation in response of corals to vermetid gastropods	<b>Merolla S.</b> Effects of ocean acidification on calcification for different morphologies of coralline algae	<b>Rideout K.</b> Characterizing the Mesophotic Zone of Bermuda	<b>Thyrring J.</b> The intertidal community in West Greenland: Large-scale patterns and small scale variation on ecosystem dynamics along a climate gradient

## THURSDAY MORNING (10:00am-12:00pm)

	<b>Winslow Homer Conservation &amp; Management I</b>	<b>Longfellow Community Ecology I</b>	<b>Eastland Ballroom Climate Change I</b>	<b>Sara Orne Jewett Biodiversity &amp; Ecosystem Functioning</b>	<b>Hawthorne Arctic Ecosystems &amp; Deep Sea Biology</b>
<b>11:00</b>	<b>Hanna Holloway N.</b> Using two-dimensional, large-scale photomosaics to map and monitor reef damage in Bonaire, Dutch Caribbean	<b>Goodbody-Gringley G.</b> Population structure of <i>Montastraea cavernosa</i> on shallow versus mesophotic reefs in Bermuda	<b>Manning J.</b> Effects of ocean acidification on two crustose coralline algae in Moorea, French Polynesia	<b>Gammal J.</b> Cross-habitat exploration of biodiversity-ecosystem functioning in the heterogeneous coastal zone	<b>Carroll M.</b> Shell growth and environmental control of methanophyllic Thyasirid bivalves from Svalbard cold seeps
<b>11:15</b>	<b>Rusch H.</b> Hurricane Sandy's Influence at Assateague Island: Shifts in Benthic Invertebrate Communities and Habitats	<b>Malek J.</b> Predator effects on host-parasite interactions in the eastern oyster, <i>Crassostrea virginica</i>	<b>Campbell J.</b> Temperature modifies the effects of ocean acidification in calcified green algae ( <i>Halimeda</i> spp.)	<b>Whalen M.</b> Suspension feeder diversity increases community filtration rates despite variable outcomes of pairwise interactions and responses to water flow	<b>Ravelo A.</b> Growth and production of the Arctic brittle stars: <i>Ophiura sarsii</i> and <i>Ophiocten sericeum</i>
<b>11:30</b>	<b>Cleaver C.</b> The effect of small-scale closed areas on <i>Placopecten magellanicus</i> populations in Maine	<b>Angelini C.</b> How habitat-modifying organisms structure the food web of two coastal ecosystems	<b>terHorst C.</b> Evolutionary salvation: functional trait variation in Symbiodinium	<b>Smyth A.</b> A Tale of Two Species: Sediment Nitrogen Dynamics and Microbial Ecology of Eelgrass and Widgeongrass Meadows	<b>de Moura Neves B.</b> New ROV video observations of deep-water benthic biodiversity in Baffin Bay and the northwest Labrador Sea (Eastern Canadian Arctic).
<b>11:45</b>	<b>Lovett S.</b> Queen Conch ( <i>Lobatus gigas</i> ) population density predicted by benthic habitat type in The Bahamas.	<b>Hamman E.</b> Spatial patterns of two corallivorous snails and consequences for coral dynamics	<b>Ridge J.</b> Rapid response of oyster-reef morphology to yearly fluctuations in sea level	<b>Ferrario F.</b> SeaEscape: benthic composition determines kelp escapes from urchin grazing	

## 1.5-HOUR LUNCH BREAK (Resume at 1:30 pm)

### NOTES:

## THURSDAY AFTERNOON (1:30-3:15 pm)

	<b>Winslow Homer Conservation &amp; Management II</b>	<b>Longfellow Community Ecology II</b>	<b>Eastland Ballroom Climate Change II Gulf Of Maine</b>	<b>Sara Orne Jewett Ecosystem Functioning II</b>	<b>Hawthorne Trophic Relationships I</b>
<b>1:30</b>	<p><b>Byron C.</b> An integrated ecological-economic modeling framework for the sustainable management of bivalve shellfish aquaculture</p>	<p><b>Donelan S.</b> Refuge quality impacts the strength of nonconsumptive effects on prey</p>	<p><b>Pershing A.</b> Ecological and Fishery Implications of the Rapid Warming in the Gulf of Maine</p>	<p><b>Tinoco A.</b> Effects of Hurricane Sandy on Great South Bay, Long Island: Assessing water quality, seagrass and nekton communities</p>	<p><b>Lunt J.</b> Can bivalves ingest the “superbloom” phytoplankton species from the N. Indian River Lagoon?</p>
<b>1:45</b>	<p><b>Cummings K.</b> Using mollusk assemblages as a proxy for seagrass beds: A paleoecological tool for modern management</p>	<p><b>Feehan C.</b> Integrating disease into community dynamics: Building a new conceptual framework in the face of global change</p>	<p><b>Le Bris A.</b> Predicting the effects of climate-change on the American lobster fishery</p>	<p><b>Nowicki R.</b> Resistance, resilience, and the response of a teleost community to catastrophic seagrass loss</p>	<p><b>Rosa M.</b> Effects of particle surface properties on particle capture by suspension-feeding bivalve molluscs</p>
<b>2:00</b>	<p><b>Blomberg B.</b> An evaluation of oyster reef restoration projects implemented under the ERA, with insights for the RESTORE Act.</p>	<p><b>Brodeur M.</b> Habitat structural complexity modifies the importance of landscape setting on survivorship of intertidal oysters</p>	<p><b>Waller J.</b> Linking ocean acidification and warming to the larval development of the American lobster (<i>Homarus americanus</i>)</p>	<p><b>Kerwin A.</b> Symbiotic reproductive tract bacteria contribute to egg protection in the squid, <i>Euprymna scolopes</i></p>	<p><b>McClure K.</b> Latitudinal countergradient variation in growth efficiency of the intertidal snail, <i>Nucella lapillus</i></p>
<b>2:15</b>	<p><b>Rodriguez M.</b> Prevalence of <i>Perkinsus marinus</i> (Dermo) in the eastern oyster <i>Crassostrea virginica</i> throughout the Mission-Aransas Estuary in Texas</p>	<p><b>Barry C.</b> Changes in gelatinous zooplankton community structure impact pelagic community composition in Barnegat Bay, NJ: Consequences of Hurricane Sandy</p>	<p><b>Anna E.</b> Expansion of the American lobster’s nursery habitat in response to climate change</p>	<p><b>Lopez-Guzman M.</b> Biogeography and Host-Specificity of Cyanobacterial Symbionts in Colonial Ascidians</p>	<p><b>Atkins R.</b> Causes and consequences of intraspecific variation within consumer snail populations in Southeastern US salt marshes</p>

## THURSDAY AFTERNOON (1:30-3:15 pm)

	<b>Winslow Homer Conservation &amp; Management II</b>	<b>Longfellow Community Ecology II</b>	<b>Eastland Ballroom Climate Change II Gulf Of Maine</b>	<b>Sara Orne Jewett Ecosystem Functioning II</b>	<b>Hawthorne Trophic Relationships I</b>
<b>2:30</b>	<b>Specht M.</b> Searching for Nuclear Inclusion X, a potential pathogen of the Pacific Razor Clam	<b>Grimes C.</b> Establishing an Ecological Baseline of Community Assemblages in Nearshore Sediments of Southeast Florida	<b>Arnold S.</b> Can growing sugar kelp locally remediate ocean acidification in Maine's waters?	<b>Volkenborn N.</b> Bottoms up! How bioirrigation at depth affects the sediment surface	<b>Lasley-Rasher R.</b> Using fish guts to sample elusive crustacean prey over long temporal scales
<b>2:45</b>	<b>Cook A.</b> Predation, disease, and implications for management of the endangered staghorn coral <i>Acropora cervicornis</i> in varying reef zones	<b>Hanley T.</b> Disturbance or subsidy? Effects of wrack duration, frequency, and intensity on salt marsh community structure	<b>Ellers O.</b> Integrating size and temperature specific growth rates of green sea urchins	<b>Newell C.</b> Refinement of an oyster aquaculture GIS system: from growth to ecosystem interactions	<b>Suskiewicz T.</b> Urchin consumption rates: how can the answer to a simple question be so elusive?
<b>3:00</b>		<b>Crotty S.</b> Multiple stressors and synergistic ecosystem loss	<b>Ober G.</b> Grazing Under Pressure: how ocean acidification and eutrophication combine to impact algal consumption by marine snails		<b>Floros N.</b> Evaluating Effects of Habitat Type on Foraging Efficiency

## 30-MINUTE COFFEE BREAK (Resume at 3:45 pm)

**NOTES:**

## THURSDAY AFTERNOON (3:45-5:00 pm)

	<b>Winslow Homer Conservation &amp; Management III</b>	<b>Longfellow Community Ecology III</b>	<b>Eastland Ballroom Climate Change III Evolution and Climate Change</b>	<b>Sara Orne Jewett Chemical Ecology</b>	<b>Hawthorne Trophic Relationships II</b>
<b>3:45</b>	<b>Chabot T. M.</b> Using ArcGIS to predict juvenile horseshoe crab ( <i>Limulus polyphemus</i> ) habitat using biotic and abiotic parameters.	<b>Reustle J.</b> Wave energy reduces the abundance and size of benthic species on oyster reefs	<b>Hughes R.</b> It's getting hot in here: Plasticity and the evolution of plasticity in a warming ocean	<b>Green L.</b> Competition in macroalgal blooms: two species of blade-forming <i>Ulva</i> inhibit the growth of co-occurring macroalgae through allelopathy	<b>Stallings C.</b> Consistent trophic ontogenies among local populations despite highly variable diets
<b>4:00</b>	<b>Kasinak J.</b> Getting lonely and old: results from community spawning surveys of the horseshoe crab population in Connecticut	<b>Werba J.</b> Zooplankton Community and Ecosystem Function across a Salinity Gradient	<b>Kingston S.E.</b> Genotype and phenotype in a changing ocean: can standing genetic variation in stress responses rescue mussel populations from the negative impacts of climate change?	<b>Scherer A.</b> Reproductive costs of an induced morphological defense in the Eastern oyster <i>Crassostrea virginica</i>	<b>Hesterberg S.</b> Three-dimensional interstitial space mediates predator foraging success in different spatial arrangements
<b>4:15</b>	<b>Grunzke D.</b> Assessing and comparing habitats of juvenile Atlantic horseshoe crab ( <i>Limulus polyphemus</i> ) across Long Island Sound.	<b>Gedan K.</b> Macrofaunal communities persist in mangrove ponds with pulsed hypoxic and acidic conditions	<b>May M.</b> Differential expression of calmodulin and calmodulin-like genes in larval and juvenile blue mussels exposed to hypoosmotic stress	<b>Smee L.</b> Phenotypic Plasticity Mechanisms in Oysters <i>Crassostrea virginica</i>	<b>Kulp R.</b> Comparing functional response curves across a structural density gradient with increasing intraspecific competition
<b>4:30</b>		<b>Pettengill T.</b> Natural History Of New England Salt Marsh Die Off	<b>Nishizaki M.</b> Responses to thermal stress in marine mussels: effect of stable versus fluctuating temperatures.	<b>Suria A.</b> Inhibitory activity and secondary metabolite production of accessory nidamental gland and egg jelly coat bacteria of the Hawaiian bobtail squid, <i>Euprymna scolopes</i>	<b>Ajemian M.</b> Moving forward in a reverse estuary: trophic ecology and habitat use of Black Drum ( <i>Pogonias cromis</i> ) in hypersaline Baffin Bay, Texas
<b>4:45</b>		<b>McMahan M.</b> New fish on the block: Ecological implications of black sea bass in the Gulf of Maine	<b>Tepolt C.</b> The genomic basis of adaptation to temperature in the globally invasive European green crab ( <i>Carcinus maenas</i> )		<b>Yeager Mallarie</b> Eelgrass structural complexity interacts with fish body size to mediate the value of seagrass nursery habitat function.

**END OF THURSDAY TALKS**

**POSTER PRESENTATIONS 6:00-9:00 pm Eastland Ballroom**

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**FRIDAY, 18 MARCH 2016**

	<b>Winslow/Homer</b>	<b>Longfellow</b>	<b>Ballroom</b>	<b>Sara Orne Jewett</b>	<b>Hawthorne</b>	
8:00	Climate/Anthropogenic Impacts I	Ken Heck Special Session	Community Ecology IV	Restoration	Ecophysiology I	8:00
10:00	BREAK					10:00
10:30	Climate/Anthropogenic Impacts II	Kelp Ecology Special Session	Community Ecology V	Restoration	Ecophysiology II	10:30
12:30	LUNCH/FREE AFTERNOON					12:30
6:00	<b>Friday Social at Gulf of Maine Research Institute</b>					6:00
7:00						7:00
7:30	BENEATH THE WAVES FILM FESTIVAL: 1st Showing					7:30
8:30	BENEATH THE WAVES FILM FESTIVAL: 2nd Showing					8:30
9:30	BENEATH THE WAVES FILM FESTIVAL: 3rd Showing					9:30

## FRIDAY MORNING (8:00-10:00 am)

	<b>Winslow Homer</b> Climate Change IV & Anthropogenic Impacts I	<b>Longfellow</b> Ken Heck Special Session	<b>Eastland Ballroom</b> Community Ecology IV	<b>Sara Orne Jewett</b> Restoration	<b>Hawthorne</b> Ecophysiology I
<b>8:00</b>	<b>Seitz R.</b> Ecological benefits of living shorelines scale with length of shoreline change in upper and lower Chesapeake Bay	<b>Peterson B.</b> "All I want to do is HIDE around, Sally": Ken's evolving thoughts on habitat complexity and species diversity.	<b>Chin D.</b> A commensalism between awning clams ( <i>Solemya velum</i> ) and eelgrass ( <i>Zostera marina</i> ) mediated by sulfide-oxidizing bacteria	<b>Walters K.</b> Structural complexity effects on the initial similarity in resident prey survival among natural and created intertidal oyster reefs	<b>Schaal S.</b> Plastic Response to Temperature in Juvenile Pacific Rockfish
<b>8:15</b>	<b>Dudgeon S.</b> Limits to the Positive Effect of Ocean Acidification on Macroalgal Production	<b>Darnell K.</b> Assessing habitat and landscape complexity in coastal systems and implications for nearshore species	<b>Grace S.</b> Winter quiescence and the release from competition in the temperate scleractinian coral <i>Astrangia poculata</i> (Ellis & Solander 1786)	<b>Karp M.</b> Biomass and productivity of restored oyster reef communities	<b>Frede R.</b> Low-temperature tolerance of overwintering white shrimp ( <i>Litopenaeus setiferus</i> ) in South Carolina
<b>8:30</b>	<b>Cannizzo Z.</b> An exploration of changing diet and behavior in the range-shifting mangrove tree crab ( <i>Aratus pisonii</i> ) between its historic and novel habitats	<b>Fodrie J.</b> The nursery role of seagrass meadows for snapper and grouper in the northern GOM	<b>Heck S.</b> Exploring how a suite of predators influences the vertical spatial distribution & survival of bay scallops	<b>Bersoza A.</b> Restoring the Eastern oyster: Using the past to inform the future	<b>Torossian J.</b> Thermal performance and intra-population variability in juvenile <i>Crepidula fornicata</i>
<b>8:45</b>	<b>Speights C.</b> Trophic Interactions in Coastal Ecosystems under Changing Environmental Conditions	<b>Bologna P.</b> Repeated Hurricanes alter mangrove nursery habitat value in an UNESCO Biosphere Reserve	<b>Pusack T.</b> Competitive Communal Feeding of the Southern Oyster Drill ( <i>Thais haemastoma</i> ) on the Eastern Oyster ( <i>Crassostrea virginica</i> )	<b>Pfirmann B.</b> Transient fish and blue crab use of restored oyster reefs in two tributaries of the Chesapeake Bay, Virginia	<b>Darnell M.Z.</b> Temperature-driven latitudinal gradients in thermal tolerance and morphology in a fiddler crab sister-species pair
<b>9:00</b>	<b>Serrano X.</b> Effects of eutrophication and elevated sea surface temperatures on the early life stages of a threatened Caribbean coral	<b>Furman B.</b> Field notes on the recurrence of <i>Thalassia testudinum</i> die-off in Florida Bay	<b>Kimbro D.</b> Consumptive and nonconsumptive effects of a top predator on basal resource demography and ecosystem function over time	<b>De Santiago K.</b> Enhancement of fish and macroinvertebrate production resulting from the restoration of oyster reef habitat in Matagorda Bay, Texas	<b>Brodie R.</b> Latitudinal and seasonal trends in fiddler crab fatness



## FRIDAY MORNING (8:00-10:00 am)

	<b>Winslow Homer</b> Climate Change IV & Anthropogenic Impacts I	<b>Longfellow</b> Ken Heck Special Session	<b>Eastland Ballroom</b> Community Ecology IV	<b>Sara Orne Jewett</b> Restoration	<b>Hawthorne</b> Ecophysiology I
<b>9:15</b>	<b>Moritzen L.</b> Spatial distribution and tidal variation patterns of palaemonid shrimp in artificial and natural habitats	<b>Kennedy M.</b> The real Duck Dynasty: impacts of wintering Redhead ducks ( <i>Athya americana</i> ) on Shoalgrass ( <i>Halodule wrightii</i> )	<b>Theuerkauf K.</b> Consistency in patterns and processes underlying community structure: Revisiting Sutherland and Karlson's fouling community study 50 years later	<b>Piastuch L.</b> Living Shorelines: Reef Balls as shellfish habitat, remediation and erosion control.	<b>Price N.</b> Primary productivity of key New England macrophytes raise seawater pH in experimental and natural settings: implications for coastal acidification
<b>9:30</b>	<b>Wilber D.</b> Benthic fauna and sediment characteristics associated with Gulf sturgeon habitat use in a western population	<b>Hill J.</b> The impacts of the Asian tiger shrimp ( <i>Penaeus monodon</i> ) on estuarine invertebrates and the biotic resistance to invasion provided by a native predator	<b>Roy M.</b> Assessing rates of infection by a trematode parasite on palaemonid shrimp, <i>Palaemon pugio</i> and <i>P. vulgaris</i> , in Long Island and Bronx, NY	<b>Tettelbach S.</b> Restoration of bay scallop populations and fisheries in the Peconic Bays, New York	<b>Williams S.</b> The effects of black band disease and ocean acidification on the physiological performance of a scleractinian coral
<b>9:45</b>		<b>Marshak A.</b> Moving Offshore: Examining interactions between snappers, lionfish, and the reef fish community of the northern Gulf of Mexico.	<b>Behlmer T.</b> Indirect effects of freshwater discharges on seagrass beds in SW Florida: Mesograzers as mediators of epiphyte growth?		<b>Jensen B.</b> The use of microplate respirometry to measure stress physiology of reef coral microcolonies

## 30-MINUTE COFFEE BREAK (Resume at 10:30 am)

### NOTES:

## FRIDAY MORNING (10:30 am-12:30 pm)

	<b>Winslow Homer</b> Climate Change V & Anthropogenic Impacts II	<b>Longfellow</b> Kelp Ecology	<b>Eastland Ballroom</b> Community Ecology V	<b>Sara Orne Jewett</b> Restoration II	<b>Hawthorne</b> Ecophysiology II
<b>10:30</b>	<b>Witman J.</b> Initial effects of the strong 2015-2016 ENSO in Galapagos subtidal ecosystems	<b>Rhoades O.</b> Looking beyond fish abundance and size: impacts of fish behavior on the recovery of ecosystem function in marine reserves	<b>Petraitis P.</b> Long-term declines (1997-2015) of intertidal molluscs in the Gulf of Maine	<b>Rezek R.</b> Monitoring the Functional Recovery of a Restored <i>Spartina alterniflora</i> Salt Marsh	<b>Kahn R.</b> Effects of depth and size on pumping rate and filtering efficiency of the Caribbean reef sponge <i>Aplysina lacunosa</i>
<b>10:45</b>	<b>Lamb R.</b> El Niño related changes in fish communities of the Galápagos Islands	<b>Dobkowski K.</b> Kelp bed dynamics in the annual bull kelp ( <i>Nereocystis luetkeana</i> )	<b>Mutti A.</b> Investigating the roles of mussel recruitment and green crab predation in the decline of mussel populations in Maine.	<b>Bourque A.</b> Community dynamics in restored subtropical seagrass meadows	<b>Rotjan R.</b> Insights into coral recovery based on symbiont state and environmental condition in the temperate, facultatively symbiotic coral <i>Astrangia poculata</i>
<b>11:00</b>	<b>Schroeder-Spain K.</b> Dazed & Confused then Hungry: Pesticides Alter Adult & Juvenile Blue Crabs ( <i>C. sapidus</i> ) Predator-prey Interactions	<b>Filbee-Dexter K.</b> Deep-living sea urchins trigger shifts to barrens in a shallow kelp-bed ecosystem	<b>Michaud B.</b> Habitat Characteristics that Influence Tidal River Community Structure	<b>Hanson G.</b> Factors impacting coral restoration fragment survival and growth	<b>Frederich M.</b> Differential stress tolerance in red and green morphs of the invasive European green crab, <i>Carcinus maenas</i>
<b>11:15</b>	<b>Correia K.</b> Survival of the fittest: Assessment of blue crab ( <i>Callinectes sapidus</i> ) under toxic stress and implications for estuarine	<b>O'Brian J.</b> A tale of two kelp beds: recruitment and survivorship following large-scale defoliation	<b>Johnson C.A.</b> Marine Community Structure Emerges Across Scales In Patchy Mangrove-Marsh Landscape	<b>Maxwell K.</b> Comparison of two outplanting strategies for nursery-propagated staghorn coral, <i>Acropora cervicornis</i>	<b>Galimany E.</b> Evaluating and predicting the effects of the invasive mussels ( <i>Mytella charruana</i> ) on native oyster reefs ( <i>Crassostrea virginica</i> ) in the Mosquito Lagoon (FL)
<b>11:30</b>	<b>Goff A.</b> Assessing the impacts of endocrine disruption in wild populations and laboratory reared blue crabs, <i>Callinectes sapidus</i> , by evaluating gene expression, morphology, and population-level endpoints.	<b>Krumhansl K.</b> Global patterns of kelp forest change overt the past half-century	<b>Harris L.G.</b> Benthic community structure in the Gulf of Maine: invasives and a sliding baseline.	<b>Butler J.</b> Sponge community restoration returns natural soundscapes, but not natural settlement of fish and invertebrate larvae: why the discrepancy?	<b>Newcomb L.</b> Seasonal weakening of <i>Mytilus trossulus</i> attachment strength can be predicted by high temperature, low pH, and low dissolved oxygen

## FRIDAY MORNING (10:30 am-12:30 pm)

	<b>Winslow Homer</b> Climate Change V & Anthropogenic Impacts II	<b>Longfellow</b> Kelp Ecology	<b>Eastland Ballroom</b> Community Ecology V	<b>Sara Orne Jewett</b> Restoration II	<b>Hawthorne</b> Ecophysiology II
<b>11:45</b>	<b>Robinson E.</b> The effects of oil on blue crab ( <i>Callinectes sapidus</i> ) and periwinkle snail ( <i>Littoraria irrorata</i> ) interactions: a preliminary mesocosm study	<b>Byrnes J.</b> The Role of Temperature and Wave Disturbance for Kelp Populations in a Changing World	<b>Moore A.</b> Interactive effects of environmental setting and seedling origin on mangrove establishment	<b>Butler M.</b> The role of biocomplexity in the restoration of tropical hard-bottom sponge communities and their ecosystem services	<b>Boudreau W.</b> Crushing Performance of Regenerated Florida Stone Crab ( <i>Menippe spp.</i> ) Chelae
<b>12:00</b>	<b>Martin C.</b> Effects of Deepwater Horizon oil exposure on <i>Ruppia maritima</i> growth and herbivory		<b>Shivarudrappa S.</b> Macrobenthic Communities in the Northern Gulf Of Mexico Hypoxic Zone: Testing The Pearson-Rosenberg Model		<b>Russell M.</b> The effects of microhabitat and diurnal light patterns on movement of the purple sea urchin, <i>Strongylocentrotus purpuratus</i>
<b>12:15</b>					<b>Feibel A.</b> Shifting baselines: has the productivity and nutrient content of <i>Sargassum</i> changed over the past three decades?

### END OF FRIDAY TALKS

**Bowdoin Coastal Studies Center Field Trip 1:00-6:00 pm**

**Friday Social (Gulf of Maine Research Institute) 6:00-9:30 pm**

and

**Beneath the Waves Film Festival**

**1<sup>st</sup> Showing: 7:30 pm**

**2<sup>nd</sup> Showing: 8:30 pm**

**3<sup>rd</sup> Showing: 9:30 pm**

**DAY-AT-A-GLANCE**  
**Saturday, 19 MARCH 2016**

	<b>Winslow/Homer</b>	<b>Longfellow</b>	<b>Ballroom</b>	<b>Sara Orne Jewett</b>	<b>Hawthorne</b>	
8:00	Molecular Ecology and Evolution I	Biological Invasions I	Reef Ecology I	Life History Strategies and Fisheries I	Behavior I	8:00
10:00	BREAK					10:00
10:30	Molecular Ecology and Evolution II	Biological Invasions II	Reef Ecology II	Fisheries I	Behavior II	10:30
12:00	FORAGING BREAK					12:00
1:30	Molecular Ecology and Evolution III	Biological Invasions III	Reef Ecology III	Recruitment and Larval Ecology I	Behavior III	1:30
3:15	BREAK					3:15
3:45	Molecular Ecology and Evolution IV and Macroecology	Biological Invasions IV	Reef Ecology IV	Recruitment and Larval Ecology II		3:45
5:15	FREE TIME					5:15
6:00	<b>Banquet in Eastland Ballroom</b>					6:00
11:00						11:00

## SATURDAY MORNING (8:00-10:00 am)

	<b>Winslow Homer</b> Molecular Ecology & Evolution I	<b>Longfellow</b> Biological Invasions I	<b>Eastland Ballroom</b> Reef Ecology	<b>Sara Orne Jewett</b> Life History Strategies & Fisheries I	<b>Hawthorne</b> Behavior I
<b>8:00</b>	<b>Bird C.</b> Population genetic theory is critical in revealing ecological processes in modern, empirical data	<b>Ramus A.</b> Density-dependent impacts of an invasive foundation species on multiple functions in a coastal ecosystem	<b>Stubler A.</b> Ocean acidification accelerates dissolution and bioerosion in a coral rubble community	<b>Baeza J.A.</b> Active parental care, reproductive performance, and a novel egg predator affecting fecundity in the Caribbean spiny lobster <i>Panulirus argus</i>	<b>Hobbs N.</b> Comparative agonistic behavior of six New England marine decapod crustacean species
<b>8:15</b>	<b>Lotterhos K.</b> The limitations of using genomics to study local adaptation in marine species: detecting monogenic to polygenic traits under high gene flow	<b>Diskin M.</b> Black Mangrove Expansion into Southeast Texas Saltmarshes	<b>Jones D.</b> Calcification Rates Indicate Thermal Stress Tolerance in Belize 'BackReef' Corals	<b>Diana Z.</b> Tool Use in Predatory Worms	<b>Fowler A.</b> Observations of Black Gill in White Shrimp ( <i>Litopenaeus setiferus</i> ) in the South Atlantic
<b>8:30</b>	<b>Cockett P.</b> Genome-wide Genetic Diversity is Greatest in the Smallest Populations of Hawaiian 'Opihi ( <i>Cellana exarata</i> )	<b>Kicklighter C.</b> Plant-Herbivore Interactions in Native and Invasive <i>Phragmites australis</i> Subspecies	<b>Palacio Castro A.M.</b> Effect of balanced and imbalanced nutrient enrichment on the bleaching response of two Caribbean corals during heat stress	<b>Lin T.</b> Investigating Reproductive Ecology and Post-spawning Vitality of <i>Alatina alata</i> population in Bonaire, Dutch Caribbean	<b>Hudson D.</b> Predicted Distributions of Colombian Freshwater Crabs and Their Parasites.
<b>8:45</b>	<b>Crocker C.</b> Larval dispersal and population connectivity across a network of marine reserves in the eastern oyster, <i>Crassostrea virginica</i>	<b>Hensel M.</b> An invasive mega-consumer slows salt marsh recovery and disrupts an important marsh mutualism	<b>Connelly M.</b> Genet and habitat effects on outplanted <i>Acropora palmata</i> fragment survival, growth rate, and bleaching response	<b>McCollum B.</b> The effect of density on the survival of the early life history stages of the giant kelp, <i>Macrocystis pyrifera</i>	<b>Hicks S.</b> Proximate cues underlying maternal care behavior in blue crabs, <i>Callinectes sapidus</i>

## SATURDAY MORNING (8:00-10:00 am)

	<b>Winslow Homer</b> Molecular Ecology & Evolution I	<b>Longfellow</b> Biological Invasions I	<b>Eastland Ballroom</b> Reef Ecology	<b>Sara Orne Jewett</b> Life History Strategies & Fisheries I	<b>Hawthorne</b> Behavior I
<b>9:00</b>	<b>Gignoux-Wolf S.</b> Who, where, when? Using time-series data to understand the roles of bacteria in diseased and healthy <i>Acropora cervicornis</i>	<b>Carman M.</b> Distribution of tunicates (Ascidiacea) utilizing eelgrass as substrate in the Northwest Atlantic between New Jersey and Newfoundland	<b>Hughes H.</b> Hot, But Not Bothered: Resilience of Little Cayman Corals during the 2015 ENSO	<b>Ryan W.</b> Intraspecific variation in plasticity drives life history variation across the species range of a common exotic sea anemone	<b>Knotts E.</b> Individual movement rates are sufficient to determine and maintain dynamic spatial positioning within <i>Uca pugilator</i> herds
<b>9:15</b>	<b>Gonzalez A.</b> Genomics of prezygotic isolation in Caribbean corals	<b>Evans J.</b> Diversity and host-specificity of microbial symbionts in ascidians from North Carolina harbors	<b>Polinski J.</b> Evidence of adaptation of coral-algal symbiosis at mesophotic depths in the Northwest Gulf of Mexico	<b>Regula-Whitefield C.</b> Seasonal patterns in dietary derived lipid storage and utilization by the commercially harvested California sea cucumber ( <i>Parastichopus californicus</i> )	<b>Belgrad B.</b> Predator-prey interactions mediated by prey personality and predator identity
<b>9:30</b>		<b>Villalobos S.</b> Distribution and Population Dynamics of Key Ascidians in North Carolina Harbors and Marinas	<b>Sneed J.</b> Combined impacts of macroalgae and ocean acidification on coral larval settlement are highly dependent on algal species.	<b>Wahle R.</b> Predicting the future of the American lobster fishery in the Gulf of Maine and Southern New England: Trouble on the horizon?	<b>Pruett J.</b> Hydrodynamic conditions modify prey responses to predation risk through contrasting processes
<b>9:45</b>		<b>Denley D.</b> Mortality of the invasive, colonial bryozoan <i>Membranipora membranacea</i> in the NW Atlantic: the effect of temperature on seasonal colony senescence	<b>Riston-Williams R.</b> Understanding Patterns of Coral Resilience in Hawaii		<b>Griffen B.</b> What controls the distribution of herbivory in Belize mangrove forests?

## 30-MINUTE COFFEE BREAK (Resume at 10:30am)

**NOTES:**

## SATURDAY MORNING (10:30-12:00)

	<b>Winslow Homer</b> Molecular Ecology & Evolution II	<b>Longfellow</b> Biological Invasions II	<b>Eastland Ballroom</b> Reef Ecology II	<b>Sara Orne Jewett</b> Fisheries II	<b>Hawthorne</b> Behavior II
<b>10:30</b>	<b>Pierce M.</b> The Bivalve Gut Microbiome: Environmental Influences and Host Physiological Response	<b>McCuller M.</b> Rafts and Routes: Japanese Tsunami Marine Debris Bryozoan Biofouling as Indicators of Pacific Ocean Pathways	<b>Pawlik J.</b> You can observe a lot just by watching: 20 years of fine-scale monitoring at Conch Reef, Florida Keys.	<b>Marshall R.</b> Suitability of somatic growth of English Sole as an ecosystem indicator	<b>MacGregor K.</b> Sitting tight! Green sea urchins move less when tidal flow increases but can detect drift kelp
<b>10:45</b>	<b>Weigel B.</b> Turning the tide: Effects of reciprocal transplantation on the microbiome of the intertidal sponge <i>Hymeniacidon heliophila</i>	<b>Blakeslee A.</b> A Wolf in Sheep's Clothing: Effective Approaches for Reducing Diversity of Live Organisms Transferred with Marine Baitworms	<b>McClenachan L.</b> Strong spatial signal of coral loss detected from 240 year-old nautical charts	<b>Gittman R.</b> Incorporating EFH into fisheries management: A case study of Atlantic cod in the Gulf of Maine	<b>Weiss A.</b> Behavioral shape changes in response to water flow affect hydrodynamic lift on the Indo-Pacific sea urchin, <i>Echinometra mathaei</i>
<b>11:00</b>	<b>Reich H.</b> Symbiodinium population uniformity across a depth gradient and during <i>Porites astreoides</i> development	<b>Kauppi L.</b> Effects of the invasive polychaete <i>Marenzelleria spp.</i> on ecosystem functioning in the northern Baltic Sea	<b>Steneck B.</b> The Eastern Caribbean: A laboratory for studying the resilience and management of coral reefs	<b>Kerr L.</b> Ecological diversity of Atlantic cod in the Gulf of Maine	<b>Challener R.</b> Righting behavior of the sea urchin <i>Lytechinus variegatus</i> in the field: the importance of size, substrate type and covering material
<b>11:15</b>	<b>Clark A.</b> Sponges and the spatial epidemiology of <i>Panulirus argus</i> Virus 1 (PaV1) in Caribbean spiny lobsters throughout the Florida Keys	<b>Ma K.</b> Optimising the duration and frequency of settlement plate deployments	<b>Salewski E.</b> Redefining habitat complexity through 3D technology	<b>McCellan K.</b> Modeling the Effect of Freshwater Flow on the Recreational and Commercial Blue Crab Fishing Effort in the Ashley River, SC	<b>Mungula P.</b> Scars and heat tolerance in intertidal snails
<b>11:30</b>	<b>Deignan L.</b> Fine-scale spatial and size-structured genetic relatedness of the Caribbean giant barrel sponge <i>Xestospongia muta</i>	<b>Hawk H.</b> Detecting non-indigenous species: the importance of biological dispersal traits and collection method	<b>Warren J.</b> Recovery, Resiliency, and Reggae: Is the Discovery Bay, Jamaica coral reef ecosystem recovered and able to withstand natural perturbations?	<b>Ajemian M.</b> Relative value of "Rigs-to-Reefs" habitats to Red Snapper ( <i>Lutjanus campechanus</i> ) stock recovery in the western Gulf of Mexico	<b>Robinson M.</b> Comparative analysis of UV-reflectance in Atlantic damselfishes.
<b>11:45</b>	<b>Sharp K.</b> Exploring interactions among <i>Symbiodinium psygmophilum</i> and other microbes in the coral <i>Astrangia poculata</i>	<b>Lord J.</b> Spread and impact of Asian shore crabs in the Gulf of Maine	<b>Neal B.</b> Advancing the limits of coral reef sensing in a time of global change: The University of Queensland Seaview Survey	<b>Grabowski J.</b> Do monkfish walk the line – using DST tags to examine migratory behavior and the efficacy of stock boundaries	<b>Macia S.</b> Copying of mate choice is influenced by model size in male gulf pipefish, <i>Syngnathus scovelli</i> .

## 1.5-HOUR LUNCH BREAK (Resume at 1:30 pm)

### SATURDAY AFTERNOON (1:30-3:15 pm)

	<b>Winslow Homer</b> Molecular Ecology & Evolution III	<b>Longfellow</b> Biological Invasions III	<b>Eastland Ballroom</b> Reef Ecology III	<b>Sara Orne Jewett</b> Recruitment & Larval Ecology I	<b>Hawthorne</b>
<b>1:30</b>	<b>Krueger-Hadfield S.</b> Unconscious uncoupling: invasion of novel habitats disrupts haploid-diploid life cycles	<b>Williams L.</b> Distribution and genetic diversity of the Asian shore crab, <i>Hemigrapsus sanguineus</i> , along the East Coast of the United States	<b>Hill M.</b> Exploring Factors Favoring Coevolutionary Specialization: Agent Based and Deterministic Modeling with Tests Involving Sponge:Symbiodinium Symbioses.	<b>Kough A.</b> Open borders?: Decadal analysis of larval connectivity from Cuban snapper ( <i>Lutjanidae</i> ) spawning aggregations	
<b>1:45</b>	<b>Simpson L.</b> Sexual dimorphism in the pygmy spider crab, <i>Petramithrax pygmaeus</i> , and a test of Rensch's Rule in the superfamily Majoidea	<b>Edquist S.</b> The impact of <i>Hemigrapsus sanguineus</i> on three littorinid species in the Gulf of Maine	<b>Arboleda E.</b> Fluorescent Patterns of the Bearded Fireworm <i>Hermodice carunculata</i>	<b>Morello S.</b> Spatial and temporal variation in spawning and settlement identify regional patterns of population connectivity in blue mussels	
<b>2:00</b>	<b>Ambrosio L.</b> Testing predictions of sibling cannibalism in the brooding crab <i>Tunicotheres moseri</i>	<b>Freeman A.</b> Invaders and zombie crabs; does a rhizocephalan parasite facilitate the Asian shore crab invasive around Long Island, NY, USA.	<b>Andras J.</b> Genetic variation of the Caribbean sea fan coral ( <i>Gorgonia ventalina</i> ) correlates with chemical resistance and survival of a fungal epizootic	<b>Honig A.</b> Larval dispersal and population connectivity in the blue mussel <i>Mytilus edulis</i> in the northern Gulf of Maine inferred from trace element fingerprints	
<b>2:15</b>	<b>Levitan D.</b> The nature of sperm competition in a broadcast spawning invertebrate; how gamete mixing influences female choice, sexual conflict and the evolution of gamete recognition	<b>Wassick A.</b> Fecundity, reproductive output and egg characteristics of the green porcelain crab ( <i>Petrolisthes armatus</i> ) in its introduced range	<b>Forrester G.</b> Changing interactions with predators and refuge habitat explain population decline in small reef fishes	<b>Conlon L.</b> Modeling larval transport and population connectivity of blue mussels ( <i>Mytilus edulis</i> ) along the eastern Maine coast	
<b>2:30</b>	<b>Laruson A.</b> Population structure and evolutionary history of the Hawaiian Collector Urchin, <i>Tripneustes gratilla</i> , and emerging biocontrol agent	<b>Mack K.</b> Lethal and Sublethal Effects of Extreme Cold Exposures in the Invasive Crab <i>Petrolisthes armatus</i>	<b>Spadaro A.</b> Herbivorous Mithracid crabs may be a sleeping functional group on Caribbean coral reefs	<b>Pineda J.</b> Identifying mechanism of larval transport in the nearshore from larval settlement and high resolution physical measurements	



## SATURDAY AFTERNOON (1:30-3:15 pm)

	<b>Winslow Homer</b> Molecular Ecology & Evolution III	<b>Longfellow</b> Biological Invasions III	<b>Eastland Ballroom</b> Reef Ecology III	<b>Sara Orne Jewett</b> Recruitment & Larval Ecology I	<b>Hawthorne</b>
<b>2:45</b>	<b>Adrian A.</b> Localized kinship & spatial genetic structure among reef patches of the eastern oyster, <i>Crassostrea virginica</i> , a species with widely dispersing larvae	<b>Curtis J.</b> Dietary Shifts in a Native Predator Associated with Biomass of Invasive Lionfish	<b>Ladd M.</b> Benthic competition and its consequences on changing Caribbean coral reefs	<b>Hilbish J.</b> Distribution of bivalve larvae and their recruitment into adult populations	
<b>3:00</b>	<b>Varney R.</b> Analysis of spatiotemporal genetic variability in eastern oyster ( <i>Crassostrea virginica</i> ) mtDNA 16S sequences among North Carolina populations	<b>Downey-Wall A.</b> Incorporating distant larval dispersal into a recolonization-removal model for the invasive red lionfish, <i>Pterois volitans</i>	<b>Huebner L.</b> Variability in juvenile coral and octocoral survivorship throughout the Florida Keys National Marine Sanctuary	<b>Reyns N.</b> The influence of coastal hydrodynamics on nearshore larval distributions	

## 30-MINUTE COFFEE BREAK (Resume at 3:45 pm)

**NOTES:**

## SATURDAY AFTERNOON (3:45-5:00)

	<b>Winslow Homer</b> Molecular Ecology & Evolution IV & Macroecology	<b>Longfellow</b> Biological Invasions IV	<b>Eastland Ballroom</b> Reef Ecology IV	<b>Sara Orne Jewett</b> Recruitment & Larval Ecology II	<b>Hawthorne</b>
<b>3:45</b>	<b>Wrublewski Aued A.</b> Macroecology of Brazilian benthic organisms	<b>Govindarajan A.</b> Cryptic invasion of the highly toxic clinging jellyfish <i>Gonionemus vertens</i> in the Northwest Atlantic	<b>Lobel P.</b> Walking the tightrope between science and regulation	<b>Bayer S.</b> A marriage of larval modeling and empirical data: Linking adult, larval and juvenile scallops in an estuary	
<b>4:00</b>	<b>Pappalardo P.</b> Geographic range-body size relationships in marine invertebrates	<b>Newcomer K.</b> Zooid addition and size of the introduced encrusting bryozoan <i>Membranipora chesapeakeensis</i> (Banta, Perez and Santagata 1995) in upper San Francisco Bay	<b>Wulff J.</b> Bottom-up control of coral reef sponges: For better and worse	<b>Chase A.</b> The influence of substrate material on ascidian larval settlement	
<b>4:15</b>	<b>Gurski L.</b> Little Detectable Effect of Harvesting Pressure on Adaptive Capacity of Limpets	<b>Jerris K.</b> The West Indian Sea Egg ( <i>Tripneustes ventricosus</i> ) is negatively impacted by the invasive seagrass <i>Halophila stipulacea</i>	<b>Olson J.</b> Temporal changes in the sponge holobiont during the course of infection with Aplysina Red Band Syndrome	<b>Trackenberg S.</b> Effects of changes in egg size and larval food supply on the development of two species of sea stars	
<b>4:30</b>			<b>Artim J.</b> Comparison Of Methods For Estimating Density Of Fish Parasitic Gnathiid Isopods On Coral Reefs	<b>Sorochan K.</b> Low predation rates on the larvae of three species of barnacles by the ctenophore <i>Pleurobrachia pileus</i>	
<b>4:45</b>			<b>Bélanger D.</b> Structural and macrofaunal stability of a northwestern Atlantic rhodolith bed	<b>Snyder M.</b> Cold barnacles, lots of babies: A physiological mechanism for latitudinal variation in recruitment of <i>Semibalanus balanoides</i>	

**END OF THE SHOW!**

**BANQUET in the EASTLAND BALLROOM (6:00-11:00 pm)**