

## Agenda for the 36<sup>th</sup> Milford Aquaculture Seminar

### Posters, Monday January 11th

Joseph Choromanski	Initial observations of blue mussel, <i>Mytilus edulis</i> , hatchery culture procedures in Long Island Sound	NOAA, Milford Laboratory
Christopher Edwards	Remote-setting eyed larvae of the blue mussel, <i>Mytilus edulis</i>	Martha's Vineyard Shellfish Group
James Elliott	A new outlook to solve an old problem: Using hormones and ventral coloration to anticipate ecdysis in the European Green Crab ( <i>Carcinus maenus</i> )	Salem State University
Kylie Fawcett	Analysis of <i>Aurelia aurita</i> collagen as a viable alternative in medical applications	Bridgeport Regional Aquaculture Science and Technology Education Center
Brittany Flittner	Assessment of a high throughput microplate method for the determination of larval bivalve respiration rates in ocean acidification studies	Rochester University
Tessa Getchis	Maps matter for marine aquaculture	CT Sea Grant
Julia Lenoue	Assessing the potential effects of channel deepening on oyster restoration in the Hudson River estuary	Brown University
James Parente	Observations on different shell phenotypes of bay scallops ( <i>Argopecten irradians</i> ) from genetic lines	Roger Williams University
Holly Turner	Development of a secondary school curriculum for <i>Saccharina latissima</i> (sugar kelp) production	Bridgeport Regional Aquaculture Science and Technology Education Center

## Tuesday, January 12th

8:00-9:00		Continental Breakfast and Registration Open		
9:00		Walter Blogoslawski, Thomas Noji, Michael Rubino and Kevin Chu	Welcome and Opening Remarks	NOAA: Milford Laboratory, Office of Aquaculture and GARFO
9:30		Tessa Getchis	Key Players Inform Plan to Grow Connecticut Shellfish Sectors	CT SeaGrant
9:40		Cassie Stymiest	CT Stakeholder Workshop update on Ocean and Coastal Acidification	NECAN
10:00		Doris Hicks	Seafood health facts.org: a valuable resource for aquaculture and the seafood industry	Delaware Sea Grant Marine Advisory Service
10:15		Gef Flimlin	Investing in new market paradigms for shellfish farmers	Rutgers Cooperative Extension
10:30-10:45		Break (15 min)		
10:45		Sixto Portilla	Distinguishing the effects of toxicity and the nutritional value of the brown tide alga, <i>Aureococcus anophagefferens</i> , in homeoviscous adaptation of juvenile northern quahogs, <i>Mercenaria mercenaria</i>	City University of New York
11:00		Gary Wikfors	Evidence for a primary role of hemocytes in oyster shell construction.	NOAA, Milford Laboratory
11:15		Wa Iba	Survival and growth of white shrimp ( <i>Litopenaeus vannamei</i> ) larvae were affected by feeding on Indonesian strain of microalgae	URI
11:30		Keomelys Gloss	Issues With Bugs; Fifteen Years of Lobster Hatching	Sound School
11:45		John Roy	Educational Enhancement; Teaching in a Fish Production Laboratory	Sound School
12:00-1:30		Lunch (1 hour 30 minutes)		
		Special Session: Eco-Forecasting for Shellfish Management Chair: Kristin DeRosia-Banick		
1:30		Robert M. Daniels	NOAA/FDA Ecological Forecasting: New tools for <i>Vibrio</i> management	National Center for Coastal Ocean Science, NOAA
1:45		Stephen Jones	Empirical Modeling of <i>Vibrio parahaemolyticus</i> Presence and Concentration in New Hampshire Shellfish	University of New Hampshire

2:00		Chris Schillaci	<i>Vibrio Parahaemolyticus</i> : Management for oysters in Massachusetts	Massachusetts Department of Marine Fisheries
2:15		Michael Whitney	Forecasting <i>Vibrio Parahaemolyticus</i> in Long Island Sound	University of Connecticut
2:30		Kristin DeRosia-Banick	Connecticut's Response to the Management of Pathogenic <i>Vibrio parahaemolyticus</i>	CT Department of Agriculture Bureau of Aquaculture
2:45		Greg Goblick	Hydrodynamic Modeling and Risk Assessment Tools for Shellfish Management	FDA Center for Food Safety and Applied Nutrition
3:00-3:15		Break (15min)		
3:15		Bryan Hurlburt	Non Insured Crop Disaster Assistance Program	Connecticut State Farm Service Agency
3:30		Diane Kapareiko	Discriminant analysis of oyster hemocyte immune functions as a screening method for predicting potential probiotic candidates	NOAA, Milford Laboratory
3:45		Marta Gomez-Chiarri	Probiotics for bivalve shellfish hatcheries: challenges and opportunities	URI
4:00		Tal Ben-Horin	The performance of oyster families exposed to dermo disease is contingent on the source of pathogen exposure	URI
4:15		Roxanna Smolowitz	The effects of trematode infection on the life history of <i>Mytilus edulis</i> in the Northeast U.S.	Roger Williams University
4:30		Kelly Markowitz	The blue mussel parasite <i>Proctoeces maculatus</i> : A northward expansion?	Hofstra University
4:45		Adjourn (Dinner on your own)		

**Wednesday, January 13th**

8:00-9:00		Continental Breakfast and Registration Open		
9:00		Emma Green-Beach	Broodstock selection for higher meat yield in the bay scallop, <i>Argopecten irradians</i>	Martha's Vineyard Shellfish Group
9:15		Kim Tetrault	Development of small, local shellfish hatcheries and increasing hatchery production methods for existing hatcheries culturing the eastern oyster, <i>Crassostrea virginica</i>	Cornell Cooperative Extension
9:30		Eric Henry	High-Density Bivalve Larviculture-- Increasing hatchery production by growing larvae more efficiently	Reed Mariculture Inc.
9:45		Richard Karney	Initial investigations into the wild collection and hatchery production of seed of the ribbed mussel, <i>Geukensia demissa</i>	Martha's Vineyard Shellfish Group
10:00		Mira Patel	A comparison of three configurations of floating upweller systems (FLUPSYs) and their effect on the growth rate of seed oysters ( <i>Crassostrea virginica</i> )	Westhampton Beach High School
10:15		Barry C. Smith	Electrolytic flocculation to concentrate algae from liquid	NOAA, Milford Laboratory
10:30-10:45		Break (15 min)		
		Special Session: An update of the status of sugar kelp aquaculture in southern New England: from seed to market Chair: Charles Yarish		
10:45		Clifford Goudey	Advances in kelp farm design.	C.A. Goudey & Associates
11:00		Sarah Redmond	The development of sea vegetable aquaculture in Maine	University of Maine Sea Grant
11:15		Simona Augyte	Insights into the cultivation of morphologically distinct strain of the sugar kelp, <i>Saccharina latissima</i> forma <i>Angustissima</i> from Southern Maine	UCONN
11:30		Jang Kim	Development of a mobile kelp processing facility in New England	Incheon National University
11:45		Hauke Kite-Powell	Economics of seaweed farming in New England	WHOI
12:00		Bren Smith	GreenWave farmer training program	GreenWave
12:15		Jeff Trombetta	"Kelping Today", culinary attributes and practical application of kelp	Norwalk Community College
12:30-1:30		Lunch (1 hour)		

1:30		Michael Rice	Notes on the identification and distribution of the exotic western hemisphere mussel, <i>Mytella charruana</i> D'Orbigny 1846 in the estuaries of Pangasinan, Philippines	URI
1:45		Clyde MacKenzie	Hard-clam ( <i>Mercenaria mercenaria</i> ) recruitment as a function of amphipod ( <i>Ampelisca abdita</i> ) abundance in fine-grained sediments	NOAA, Howard Laboratory
2:00		Shannon Meseck	Is there a link between sediment porewater chemistry and bivalve settlement?	NOAA, Milford Laboratory
2:15		"Barley" John Dunne	A Tale of Two Harbors: Utilizing Scallop Spawner Sanctuaries as a Stock Enhancement Tool in East Hampton, NY	East Hampton Town Shellfish Hatchery
2:30-2:45		Break (15 min)		
2:45		Lisa Piastuch	Living Shorelines: Reef Balls as shellfish habitat, remediation and erosion control?	Sacred Heart University
3:00		Mark Dixon	A comparison of filtration and assimilation rates of ribbed mussels, <i>Guekensia demissa</i> , and spat-sized oysters, <i>Crassostrea virginica</i> , in the lower Providence River.	NOAA, Milford Laboratory
3:15		Yuan Liu	Effects of CO2 on planktonic microbial community structure	NOAA, Milford Laboratory
3:30		Judy Yaqin Li	Temporal and spatial variability in phytoplankton physiology in Long Island Sound – relevance to shellfish aquaculture activities	NOAA, Milford Laboratory
3:45		Walter Blogoslawski	Closing Remarks	NOAA, Milford Laboratory
4:00		Adjourn		