

SEMESTER IN ENVIRONMENTAL SCIENCE
INDEPENDENT RESEARCH SYMPOSIUM
MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MA 02543
FRIDAY, DECEMBER 15, 2017 – LILLIE AUDITORIUM

TIME	SPEAKER	PROJECT TITLE
8:30 - 8:45	DR. RAE NISHI DIRECTOR OF EDUCATION, MBL	Welcome and introductory remarks
8:45 - 9:00	Charlotte Hovland UNIVERSITY OF CHICAGO	<i>Sex, drugs, and rotifers: endocrine disrupting water contaminants and rotifer reproductive cycling</i>
9:00 - 9:15	Emi Lemberg UNIVERSITY OF CHICAGO	<i>Microbial fuel cells for improved bioremediation</i>
9:15 - 9:30	Sarah Pope WHEATON COLLEGE (IL)	<i>FISHing for sulfate reducing microbes in Siders Pond, a meromictic lake</i>
9:30 - 9:45	Peter Puleo NORTHWESTERN UNIVERSITY	<i>Using geochemical indicators to understand nutrient loading and salinity changes in Siders Pond</i>
9:45 - 10:00	Emma Sullivan DICKINSON COLLEGE	<i>Nitrogen removal from wastewater in West Falmouth</i>
10:00 - 10:15	Jonah Benning-Shorb UNIVERSITY OF CHICAGO	<i>Nutrient budget in a eutrophic Cape Cod estuary</i>
10:15 - 10:35	Coffee Break	
10:35 - 10:50	Lydia Fox DICKINSON COLLEGE	<i>Salinity tolerance and nitrogen requirements of native and invasive <i>Gracilaria</i> species in New England</i>
10:50 - 11:05	Lauren Hamm RHODES COLLEGE	<i>Biogeography of <i>Gracilaria</i> species in Waquoit Bay</i>
11:05 - 11:20	Lucero Flores NORTHWESTERN UNIVERSITY	<i>Effects of temperature and nutrient variation on zooxanthellae of bleached and unbleached <i>Astrangia Poculata</i></i>
11:20 - 11:35	Emily DeFelippis EUGENE LANG COLLEGE OF THE NEW SCHOOL	<i>Fatty acid and stable isotope profile in juvenile sea turtles of Cape Cod in relation to diet</i>
11:35 - 11:50	Augusta Hollers AMHERST COLLEGE	<i>Environmental stimuli of disruptive camouflage in European cuttlefish</i>
11:50 - 12:05	Luis Cartagena NORTHWESTERN UNIVERSITY	<i>Effects of long-term soil warming on aggregate mass and physical protection of organic matter</i>
12:05 - 13:30	Luncheon – Dining Hall, Swope Center*	
13:30 - 13:45	Lois Anderson UNIVERSITY OF CHICAGO	<i>Role of physical protection of soil organic matter in soil aggregates in areas of land use change</i>
13:45 - 14:00	Caitlyn Linehan TRINITY COLLEGE	<i>Measuring nonstructural carbohydrates carbon, nitrogen and relative greenness of <i>Quercus coccinea</i> and <i>Ilex opaca</i> during senescence</i>
14:00 - 14:15	Alondra Soto POMONA COLLEGE	<i>Decomposition and DOC availability during leach phase of decomposition in early and late successional leaves</i>
14:15 - 14:30	Ben Hoekstra GRINNELL COLLEGE	<i>Spatial distribution of soil properties in a chronosequence of abandoned New England cranberry bogs</i>
14:30 - 14:45	Chloe Omelchuck HAMPSHIRE COLLEGE	<i>Plant and insect communities in a chronosequence of abandoned cranberry bogs</i>
14:45 - 15:00	Marta De Giuli UNIVERSITY OF CHICAGO	<i>Controls on seed bank biodiversity in the Frances Crane Wildlife Management Area</i>
15:00 - 15:15	Max Black FRANKLIN AND MARSHALL COLLEGE	<i>The effects of <i>Schizachyrium scoparium</i> coverage on soil and food web structure</i>

Semester Retrospective (Ken Foreman, SES Program Director)

*There will be refreshments and a celebratory awards ceremony in the Lillie Lobby after the symposium.**

*Students, parents and guests, faculty and instructors welcome