

International Invasive Sea Squirt Conference 2018



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Conference Organizer

Ellen Bailey, Woods Hole Oceanographic Institution

International Invasive Sea Squirt Conference

May 2-4, 2018

Woods Hole Oceanographic Institution

Clark Laboratory 5th Floor

Wednesday, May 2

8:30-9:00

Registration and Light Breakfast

9:00-9:15

Welcome and Announcements

Mary Carman

9:15-9:45

A remarkable case of non-invasion in British Columbia, Canada

Gretchen Lambert

9:45-10:15

Assessing Ascidian Use of Open Spaces throughout the Year

Judith Pederson and Carolina Bastidas

10:15-10:30

Break

10:30-11:00

Impacts of Hurricane Sandy on recruit dynamics of *Botryllus schlosseri*

Paul Bologna and John Gaynor

11:00-11:30

Biotic exchange from the movement of ‘static’ maritime structures in an era of marine urbanization

Josephine C. Iacarella, Ian C. Davidson, Anya Dunham

11:30-12:00

Understanding the Ecological Impacts of Invasive Tunicates and Their Response to Climate Change

Yingqi Zhang, Linda Deegan, Mary Carman

12:00-1:00

Lunch and Open Session

1:00-1:30

Color morphs of *Distaplia bermudensis* represent cryptic lineages with distinct microbiomes that remain structurally and functionally equivalent across different environments

James S. Evans, P.M. Erwin, H.F. Sihaloho, N. Shenkar, S. Lopez-Legentil

1:30-2:00

Prevalence of chimerism and colony fusion in *Didemnum vexillum*: a genomic approach

Xavier Turon, Maria Casso, Davide Tagliapietra, Marta Pascual

2:00-2:30

How to make lemonade from invasive ascidians

Noa Shenkar, Dror Avisar, Aviv Ben-Tal, Aviv Kaplan, Zafir Kuplik, Gal Navon, Lion Novak, Adi Torfstein, Roni Tzafiriri-Milo, Gal Vered

2:30-3:00

Proteomic profiling of ascidians from tropical and sub-tropical environments as a biomonitoring tool

Lion Novak, Zafir Kuplik, Noa Shenkar

Thursday, May 3

8:30-9:00

Registration and Light Breakfast

9:00-9:15

Welcome and Announcements

Mary Carman

9:15-9:45

Ascidian Invasion Perspectives: IV. The Definition of "Invasive," and the Shifting Baseline of Biodiversity History, Revisited

James T. Carlton

9:45-10:15

Ocean Invader Tactics Revealed: The Role of Copper Pollution in the Presence and Invasiveness of Colonial Ascidians

Kristin Osborne and Helen Poynton

10:15-10:30

Break

10:30-11:00

Sea squirts (Ascidacea) dominate fouling communities and impact aquaculture and eelgrass in Edgartown, Massachusetts

Emily Reddington, Mary Carman, Ryan Smith, Kristin Gribble

11:00-11:30

Tunicates (Ascidacea) utilizing eelgrass as substrate in the Northwest Atlantic

Mary R. Carman

11:30-12:00

Crab predation on eelgrass fouling epiphytes: sponge *Halichondria panicea*, colonial tunicate *Botryllus schlosseri*, and solitary tunicate *Molgula manhattensis*

David Grunden and Mary Carman

12:00-1:00

Lunch and Open Session

1:00-1:30

Can invasive tunicates be useful for fish aquaculture? The replacement of menhaden fish meal by the tunicate *Styela plicata* in the diets of juvenile black sea bass *Centropristis striata*

Avery J. Delmaine, Wade O. Watanabe, Md Shah Alam

1:30-2:00

Management Strategies for Invasive Tunicates on Prince Edward Island Mussel Farms

John DP Davidson, Luc A Comeau, Thomas Landry, Jeff Davidson

2:00-2:30

Exploratory baseline surveys for tunicates at Nantucket and Muskeget Islands off southern Massachusetts in the Northwest Atlantic

Dann Blackwood and Mary Carman

2:30-3:00

Ascidian diversity in Ireland with a focus on invasive species

Satheesh Kumar Palanisamy, Olivier P. Thomas, Grace P. McCormack

3:00-3:15

Break

Poster Presentations

3:15-3:30

Effects of Air Exposure on Markers of Oxidative Damage in an Invasive Tunicate (*Styela plicata*) and a Native Shellfish (*Crassostrea virginica*)

Peyton A. Thomas, S.T. Kinsey, S. Lopez-Legentil, A. Wilbur

3:30-3:45

Two lineages of *Polyandrocarpa zorritensis* co-exist in the US southeastern Atlantic

Jamie Webb, Bailey Counts, Marie Nydam, Susanna Lopez-Legentil

3:45-4:00

Analysis of the spatial distribution, and recruitment of native and non-native tunicate species on *Zostera marina* in New Jersey

Sarah Hoffinan and Paul Bologna

4:00-4:15

Rapid coastal survey of the distribution of invasive ascidians in Coastal Lake Faro, Messina- Italy

Satheesh Kumar Palanisamy, Andrea Cosentino, Salvatore Giacobbe

4:15-4:30

No introduced ascidians detected in reef and mangrove habitats of the Bahamas

Bailey Counts, Xavier Turon, Susanna Lopez-Legentil

4:30-4:45

Microbiome shifts across the native and invasive range of the ascidian *Clavelina oblonga*

Millie Goddard-Dwyer, Susanna Lopez-Legentil, P.M. Erwin

5:00-6:00

Banquet Dinner

Friday, May 4

8:30-9:00

Light Breakfast

9:00-9:15

Welcome and Announcements

Mary Carman

9:15-9:45

Invasive Ascidian Research – A recap of 13 years of the International Invasive Sea Squirt Conference

Stephan G. Bullard

9:45-3:15

Field Trip to Martha's Vineyard

3:30-4:30

Field Trip to WHOI Exhibit Center in Woods Hole