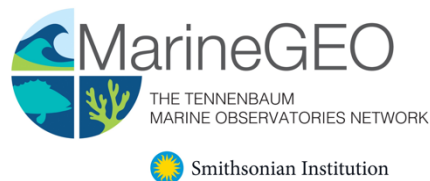
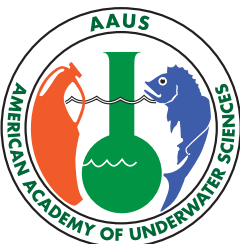


Program & Schedule

51st Benthic Ecology Meeting

Miami, Florida USA

April 26 – 29, 2023



Schedule At-A-Glance

Time	Wednesday, April 26				
4 - 8 PM	REGISTRATION - Promenade outside meeting rooms				
4 - 8 PM	POSTER SETUP - Regency Ballroom Prefunction area & Lower Promenade				
6 - 8 PM	WELCOME RECEPTION - Riverwalk Terrace & Upper Promenade				
Time	Thursday, April 27				
7:30-8:30	Morning Session Presenters Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
AM 1	Session Honoring Mark Hay 1	Coral Reef Ecology 1	Coral Reef Health 1	Population Ecology 1	Climate Change 1
AM 2	Session Honoring Mark Hay 2	Coral Reef Ecology 2	Coral Reef Health 2	Population Ecology 2	Climate Change 2
PM 1	Biodiversity 1	Community Ecology 1	Coral Reef Health 3	Population Ecology 3	Climate Change 3
PM 2	Biodiversity 2	Community Ecology 2	Coral Reef Health 4	Ecosystem Ecology	Climate Change 4
6 - 8 PM	POSTER SESSION & SOCIAL - Regency Ballroom Prefunction area & Lower Promenade				
Time	Friday, April 28				
7:30-8:30	Morning Session Presenters Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
AM 1	Aquaculture	Coral Reef Ecology 3	Session Honoring Jeff Levinton 1	Sponge Ecology 1	Benthic Acoustics
AM 2	Fisheries 1 (sponsored by Florida Wildlife Commission)	Coral Reef Ecology 4	Session Honoring Jeff Levinton 2	Sponge Ecology 2	Benthic Monitoring 1
PM 1	Fisheries 2 (sponsored by Florida Wildlife Commission)	Coral Reef Ecology 5	Chemical Ecology	Ecophysiology 1	Coral Reef Restoration (sponsored by Florida Wildlife Commission)
PM 2	Fisheries 3 (sponsored by Florida Wildlife Commission)	Disturbance Ecology	Coastal Ecology (sponsored by Florida Sea Grant)	Ecophysiology 2	Benthic Monitoring 2
Time	Saturday, April 29				
7:30-8:30	Morning Session Presenters Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
AM 1	Coral Reef Ecology 6	Coral Reef Climate Change 1	Seagrass Ecology 1	Benthic Ecology 1	Anthropogenic Impacts 1
AM 2	Coral Reef Ecology 7	Coral Reef Climate Change 2	Seagrass Ecology 2	Benthic Ecology 2	Anthropogenic Impacts 2
12-1:30	Poster Break-down				
PM 1	Biological Invasions	Coral Reef Climate Change 3	Oyster Reef Ecology	Coral Reef Disease 1	Anthropogenic Impacts 3
PM 2	Biodiversity 3	Community Ecology 3	Biodiversity 3	Coral Reef Disease 2	Anthropogenic Impacts 4
6 - 10 PM	BANQUET ABOARD "THE BISCAYNE LADY" - Riverwalk Terrace (loading promptly at 6PM - or you will have to swim to the ship!)				

Poster Presentations

Posters are up during the entire meeting
Poster Session is 6-8PM Thursday, April 27

Poster #	Last Name	First Name	Poster Title
1	Acors	Hayden	Benthic foraging stingrays seasonally alter fine-scale seagrass complexity and function
2	Atencio	Wil	Water quality, oyster demographics, and disease dynamics on Sapelo island, Georgia
3	Badlowski	Gina	Coexisting in a Shared Niche Space: Resource Use and Niche Overlap of Sympatric Generalist Consumers
4	Banquero	Luciana	Microplastics in juvenile marine invertebrates from restored oyster reefs in the Indian River Lagoon
5	Barry	Savanna	Water temperature and season length interact to explain a rare non-linear ecogeographic cline in body size
6	Barry	Talia	Examining the sustainability of the Florida stone crab (<i>Menippe mercenaria</i>) fishery: testing intraspecific interactions between single- and two-clawed individuals.
7	Bartley	Michaela	Impact of coral reef benthic community assemblage on seawater nutrient profile
8	Beasley-Polko	Kaitlin	The influence of current direction and speed on acoustically detected fish schools over hard bottom ledges at Gray's Reef National Marine Sanctuary (GRNMS)
9	Benjamin	Kianne	Evidence that eelgrass meadows can reduce farmed oyster microplastic contamination via accelerated particle sedimentation.
10	Benson	Gabriel	Testing <i>Halodule wrightii</i> Planting Methods and Improving Site Selection in Mosquito Lagoon, FL
11	Bergman	Ori	Dietary selectivity in picoplankton capture by the sponges <i>Xestospongia muta</i> and <i>Niphates digitalis</i>
12	Bijak	Alex	Seagrass species richness and identity influence annual seagrass cover, but synchrony drives meadow stability
13	Bruck	Heather	An ecological exploration of the egg parasitism of <i>Panulirus argus</i> by the nemertean worm <i>Carcinonemertes conanobrieni</i> .
14	Lia	Caldwell	Energy useage at low tide
15	Caillier	Jasmine	Sediment quality assessment of Lavaca and Matagorda Bays.
16	Campbell	Justin	The effects of olivine addition on the physiological functioning of tropical seagrasses
17	Chapa	Neina	Comparing ecological provision by restored subtidal and intertidal oyster reefs
18	Chequer	Alex	Characterizing Fish Community Composition on Mesophotic Reefs in the Cayman Islands
19	Chesley	Emma	Sediment Saviors: Infaunal Communities as Potential Restorers of Benthic Habitat in the Indian River Lagoon
20	Chiquillo	Kelcie	Understanding the invasion potential of the seagrass (<i>Halophila stipulacea</i>) in Culebra, Puerto Rico
21	Collins	Hannah	Nylon microfibers develop a distinct plastisphere but have no apparent effects on the gut microbiome of the blue mussel, <i>Mytilus</i>
22	Coppola	Marianna	Long-term changes in Biscayne Bay seagrass seascape
23	Coyne	Zachary	Stingray Bioturbation Effects on the Coastal Intertidal Zone
24	Daniel	Alejandra	Impacts of tropical cyclones on benthic invertebrate communities of Gray's Reef National Marine Sanctuary
25	Davis	Sarah	Blinded by the light: Evaluating UV-A light as an antifoulant in marine vessel plumbing systems
26	DeMerlis	Allyson	Evaluating the efficacy of a variable temperature treatment to stress-harden threatened reef-building corals in Florida
27	Dombrowski	Emily	Physiological Effects of Age in Atlantic Horseshoe Crabs, <i>Limulus Polyphemus</i>
28	Easson	Cole	Assessing quantity and specificity in picoplankton diets of 10 common Caribbean sponges.
29	Easterly	George	Habitat selection behavior and impact of density dependence on blue crab megalopae and early-stage juveniles
30	Eckert	Ryan	Genetically divergent mesophotic and shallow <i>Stephanocoenia intersepta</i> populations in the Florida Keys
31	Ellis	Will	Do hungry predators prefer bored prey? The interactive effects of starvation time and boring sponge infection on prey selection by the Atlantic oyster drill
32	Estrada	Brady	Caribbean Reef-Building Coral-Symbiodiniaceae Network: Identifying Symbioses Critical for System Stability in a Changing Climate
33	Fast	Justus	Spatiotemporal impact of the Deepwater Horizon on deep-sea soft-bottom benthic meiofauna
34	Feingold	Joshua	The Fungiid Coral <i>Cycloseris curvata</i> Not Extirpated from the Galápagos Islands
35	Fitz	Riley	Effect of diet on the thermal tolerance of American lobster (<i>Homarus americanus</i>) postlarvae
36	Fletcher	Laura	Optimal Limb Regeneration Strategies in an Invasive Crab
37	Flowers	Kellie	Can we save the sponges of the nearshore hardbottom communities in the Florida Keys? Research to enhance loggerhead sponge (<i>Spheciospongia vesparium</i>) restoration
38	Foursa	Gabrielle	Aquaculture Shellfish Reveal Denitrification Potential for Florida's Waterways
39	Frankenberger	Nicholas	Morphometrics of stone crab (<i>Menippe mercenaria</i>) from Estero Bay, FL: Surveys before and after Hurricane Ian
40	Freeze	Jesse	Comparing diver-held and stationary cameras to quantify cleaning mutualisms

Poster Session (continued 1)

Poster #	Last Name	First Name	Poster Title
41	Garmendia	Marina	Restoration of Stony Coral Tissue Loss Disease (SCTLD) susceptible species in the Arrecife de Puerto Morelos National Park (APMNP) Mexico using colony microfragmentation.
42	Gerstle	Lev	Benthic Faunal Sampling Adjacent to the Sand Island Ocean Outfall, O'ahu, Hawai'i
43	Green	Daija	Comparison of methods for room-temperature preservation of environmental DNA in Sterivex filters.
44	Gregory	Lauren	Picture of health: Testing an accessible method for quantifying coral bleaching
45	Grosso	Jayci	Settlement preferences of mesophotic soft coral <i>Swiftia exserta</i> larvae
46	Guidone	Michele	Impacts of Algal Morphology and Water Flow on Macroalgal Microplastic Capture
47	Gulnick	Nicholas	Furthering Ascidian Taxonomy through the use of Molecular Markers
48	Harrison	Preston	Characterization of the complete mitochondrial genome of the endangered Pearl Darter <i>Percina aurora</i> (Perciformes: Percidae)
49	Harvey	Katrina	Trends in <i>Leptuca pugilator</i> boldness across varying marsh conditions
50	Heiser	James	Native parasitic Pea Crab Parasites and Invasive Green Lipped Mussels in Tampa Bay: A Test of the Predator Release Hypothesis
51	Hendershot	Abigail	Oyster reefs as indicators of community resilience following Hurricane Ian
52	Hernandez	Ricardo	Rising Heat, Dying Seas: Exploring intraspecific variation in <i>Corynactis californica</i> 's response to marine heatwaves.
53	Hewitt	Nathan	Variation in larval abundance and settlement of Eastern oysters (<i>Crassostrea virginica</i>) in the Caloosahatchee River Estuary (FL) before and after Hurricane Ian
54	Hodges	Julian	Analyzing snail responses to potential predator chemical signals
55	Hoffman	Hailey	Impact of Ocean Acidification on the Foraging Behavior of Mud Snails
56	Hovius	Kendall	Do sexually monomorphic damselfish have sexually dimorphic ultraviolet coloration?
57	Hurley	Madison	Heatwaves Facilitate the Physiological Decline of the Invasive Ascidian, <i>Botrylloides violaceus</i>
58	Ittleson	Claire	Heat Shock Protein analysis in Soft Coral from the family <i>Xeniidae</i>
59	Jackson	Dwan	Comparison of DNA yields using various DNA extraction methods for small fecal samples from marine crustaceans.
60	Jarrett	Morgan	Acidification Reduces the Foraging Activity of the Florida Stone Crab (<i>Menippe mercenaria</i>)
61	Jarrett	Jeremiah	Genetic Variation Among and Within Caribbean Populations of the Sea Cucumber <i>Holothuria mexicana</i>
62	Jaworski	Natalia	Quantifying Mollusk Predation By Whitespotted Eagle Rays
63	Jose-Guarderas	Maria	Drivers of <i>Psammocora stellata</i> distribution at Devil's Crown, Floreana Island, Galápagos Islands
64	Jury	Steven	Effect of feeding after bleeding on hemocyanin concentration of horseshoe crabs (<i>Limulus polyphemus</i>)
65	Kelley	Fiona	Comparison of sediment, turf algae, and herbivory dynamics at two Caribbean coral reefs.
66	Kennedy	Madison	Kinorhynch communities of Mobile Bay, Alabama
67	Klein	Allison	Investigating genotypic drivers behind <i>Orbicella faveolata</i> corals' variable susceptibility to stony coral tissue loss disease in South Florida
68	Krishnamurthy	Kirthana	Ocean Acidification affects Exoskeletal Properties in Juvenile, but not Adult, Golden King Crab (<i>Lithodes aequispinus</i>)
69	Krueger	Madison	Fecal Indicator Bacteria in a Tidal Stream, Estero River, Southwest Florida: Analyzing for Source Identification and Transport Variability
70	Kuenzli	Jake	Hormonal Response of the Atlantic Stingray, <i>Hypanus sabinus</i> , to temperature stress
71	Ladd	Mark	Monitoring and restoration of ESA-listed coral species on Florida Reefs
72	Laforest	Krista	Spawning Asynchrony of the Endangered <i>Acropora cervicornis</i> : Are Light Pollution and Abnormally Warm Temperatures the Culprits?
73	Leigh Randle	Janna	Using thermal performance to inform coral restoration techniques
74	Levine	Jaclyn	THE DISTRIBUTION OF SHALLOW-WATER BENTHIC FORAMINIFERA IN THE GULF OF AQABA AND NORTHEASTERN RED SEA
75	Lively	Julie	Soft shell blue crab <i>Callinectes sapidus</i> aquaculture extension and outreach
76	Love	Kambrial	Analysis of the diet of <i>Callichirus islagrande</i> (Crustacea: Decapoda) using fecal DNA metabarcoding
77	Lytle	Madison	Effect of water clarity on <i>Halodule wrightii</i> seasonal persistence
78	Macia	Silvia	Turtlegrass (<i>Thalassia testudinum</i>) seedlings are resilient to increases in ocean temperatures
79	Maggio	Garrett	Effects of Host Population Fragmentation and Isolation on the Genetic Structure of an Obligate Endoparasite
80	Magyar	Mackenzie	Revisiting generic assignments in Zoanthidea (Cnidaria:Anthozoa:Hexacorallia) using key characters of the existing taxonomic system
81	Malone	Meg	Fish in seagrass habitats: seascape connectivity across protected ecosystems
82	Marconi	Christina	An open-source tool for rapid coastal habitat change detection through machine learning and remotely sensed data

Poster Session (continued 2)

Poster #	Last Name	First Name	Poster Title
83	Marlow	Bailey	Differences in energetic costs of digesting plant and animal foods in the Asian shore crab <i>Hemigrapsus sanguineus</i> ?
84	Maybee	Alexander	An Exploration Of Light Stress Response Among Genotypes of <i>Acropora cervicornis</i>
85	McCoy	Sophie	The search for an ecophysiological niche axis: cryptic species and functional diversity among macroalgae
86	McGregor	Lakean	Benthic and pelagic copepod feeding preferences of dwarf seahorses, <i>Hippocampus zosterae</i> .
87	McNeil	Tiffani	Combining molecular and morphological markers to identify members of the family Perophoridae (Chordata, Ascidiacea)
88	McPherson	Meredith	Comparative approach to mapping sugar kelp (<i>Saccharina latissima</i>) on a subtidal temperate reef system in the optically complex water column of Salem Sound, Massachusetts
89	Melendez-Declet	Carolina	Assessing optimal cell abundance of <i>Pseudoalteromonas</i> sp. PS5 for settlement of <i>Colpophyllia natans</i>
90	Menendez	Phylisia	Early stages of Barnacle Exoskeleton Formation in Amphibians amphitrite
91	Meneses	Michael	Analyses of functional feeding traits and taxonomic composition provide insight into megafaunal community structure at inactive hydrothermal vent features
92	Mexquititla	Ayleen	Selfish Shellfish: Shelter Sharing in Grass Shrimp (<i>Palaemon pugio</i>)
93	Mo	Angela	Structural changes in <i>Crassostrea virginica</i> in response to blue crab predator cues
94	Moore	Kate	The effects of boring sponge (<i>Cliona celata</i>) infection on Eastern oyster (<i>Crassostrea virginica</i>) engineering function
95	Moyer	Isabel	Investigating water column fauna in the Marianas
96	Negash	Mekail	<i>Rhizophora mangle</i> (red mangrove) seedling success in different habitats in Mosquito Lagoon, FL
97	Nigro	Hailee	Temperature-dependent growth, size at maturity, and reproduction in <i>Callinectes sapidus</i>
98	Noble	Allison	Exploring soundscape properties of artificial and oyster reefs in shallow estuarine systems
99	Núñez	Kimberly	Long-term changes in the Arctic Deep Sea: Benthic Community Structure at HAUSGARTEN I 2002-2022
100	Outhwaite	Alyssa	Earth, wind, & water: seasonal inundation and spatial effects on wind-tidal flat community structure and resource quality
101	Palmer	Marissa	Patterns of Black Mangrove (<i>Avicennia germinans</i>) Reproduction after a Deep Freeze Event
102	Parr	Nicholas	Southeast Florida's Aquatic Preserves
103	Parr	Nicholas	Florida's Coral Reef Conservation Program
104	Penaloza	Jayra	The complete mitochondrial genome of the Leopard Shark <i>Triakis semifasciata</i>
105	Pitts	Kelly	Testing coral probiotics as an in situ treatment for stony coral tissue loss disease
106	Pollock	Arielle	Larval behavior characteristics of mesophotic octocoral <i>Swiftia exserta</i>
107	Powers	Jezebel	Context dependency of grazing effects on seagrass blue carbon storage
108	Ramseyer	Tanya	Successes and Failures of Stony Corals Held in Land-Based Facilities of the Florida Coral Rescue Project
109	Reese	Tanner	Latitudinal variation in breeding strategies
110	Renken	Savannah	Applying Integrative Systematics to the Poorly Explored Symbiotic Relationships of Zoanthidea in the Deep Sea
111	Rex	Melissa	The Cnidome in Integrative Systematics of Zoanthidea
112	Rikon	Ben	Investigating the Impact of Hurricane Ian on a Natural Hard Bottom Community 50 km Offshore of SW Florida
113	Rivera	Jessie	Effects of Fluctuating pH on Shell Growth and Survival of Juvenile Eastern Oysters (<i>Crassostrea virginica</i>)
114	Robinson	Elizabeth	The Louisiana Sea Grant Oyster Research Lab and Hatchery in Grand Isle, LA
115	Rodemann	Jonathan	Development of a continuous depth-invariant vegetation index for mapping seagrass cover
116	Rosenthal	Isaac	Kelp and the City: Assessing Impacts of Coastal Urbanization on <i>Macrocytis pyrifera</i>
117	Ross	Bailey	(Poster) Visual Surveys Reveal Coral Growth in Mangrove Fringes in a Subtropical Metropolis
118	Salonia	Emily	Applying Integrative Systematics to the Poorly Explored Symbiotic Relationships of Zoanthidea in the Deep Sea
119	Sandquist	Madison	Effect of habitat complexity on patch reef fish assemblages across different spatial scales
120	Sardine	Madison	Nutrients do not increase rates of bioerosion by boring sponges on calcareous substrates
121	Scheuermann	Mackenzie	Comparing probiotics and antibiotics as treatments for stony coral tissue loss disease
122	Schierack	Samantha	A diversity baseline of benthic macrofauna along the northwestern insular slope of Cuba (Gulf of Mexico).
123	Schmauch	Cierra	Variation in the condition index of oysters from Estero Bay, Florida: Before and after Hurricane Ian
124	Schull	Shania	Coral-Sponge Interaction: Building Fences and Having Neighbors for Lunch

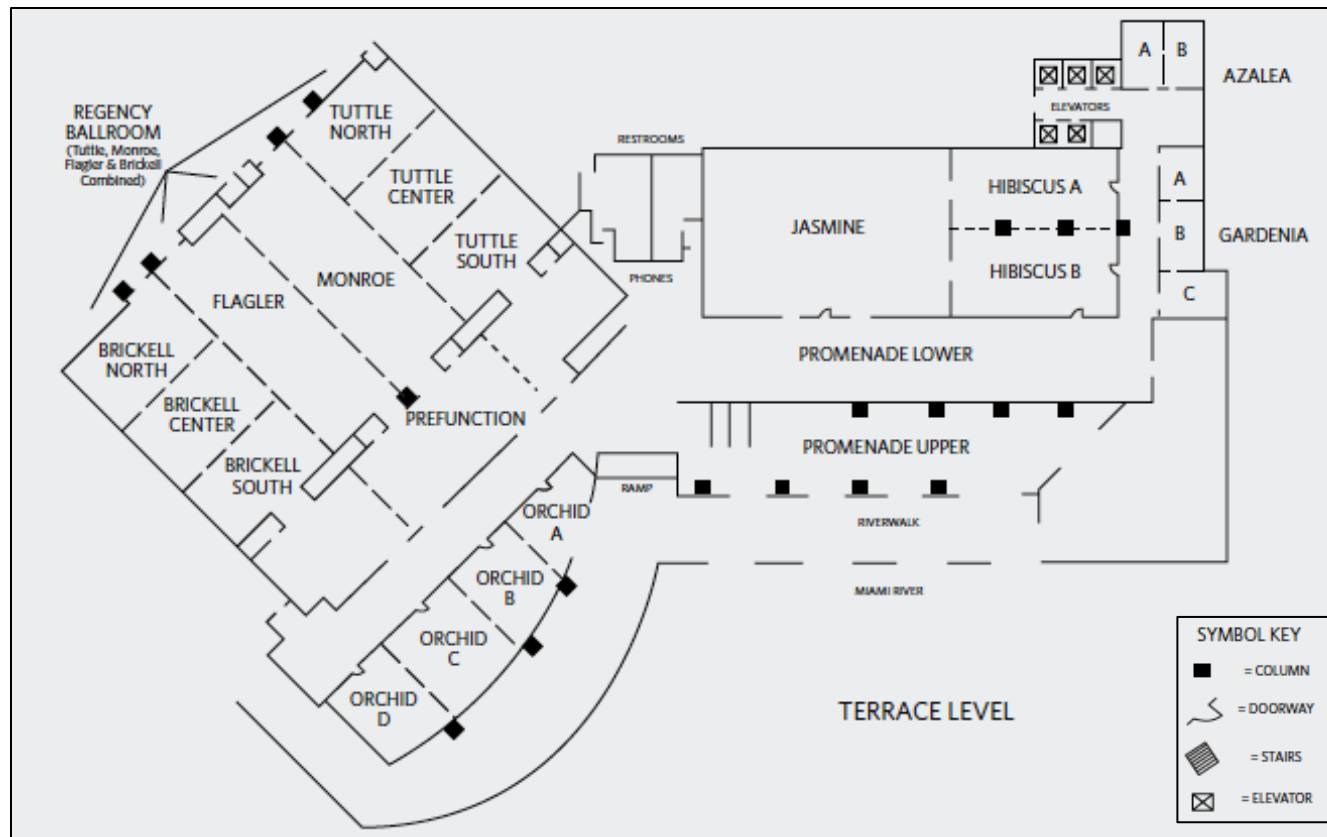
Poster Session (continued 3)

Poster #	Last Name	First Name	Poster Title
125	Sciarappa	Hannah	Salinity and temperature effects on daily growth of juvenile spotted seatrout, <i>Cynoscion nebulosus</i> , in Florida Bay, Florida
126	Segura-García	Iris	Fine-scale genetic structure of sheepshead, <i>Archosargus probatocephalus</i> , under prevailing environmental conditions in the Indian River Lagoon
127	Sgambelluri	Lauren	Mating system variation and its effects on seed size in the eelgrass, <i>Zostera marina</i>
128	Shaw	Samantha	Proteomic analysis of <i>Acropora cervicornis</i> exposed to thermal acclimation
129	Shaw	Jazmine	Comparative Assessment of Shell Structural, Mechanical, and Elemental Properties in Adult Acorn Barnacles
130	Shedd	Samantha	A seascape genomic analysis of three reef-building coral species around O'ahu, Hawai'i
131	Shilling	Erin	Evolution of the coral holobiont makeup and physiology in response to disease pressure in the Caribbean
132	Shores	Samuel	Ecological Restoration: Assessing Success Criteria of Comparative Biodiversity in Living Shorelines and Natural Oyster Reefs
133	Shostak	Josephine	Freshwater Sponges: New Discoveries in South Carolina
134	Shotwell	Kayla	Spatial and temporal variation in fish assemblages on Galápagos reefs
135	Silva	Isabelly	Fishy Behavior in Shrimp: Shelter Use and Predator Harassment in Grass Shrimp
136	Silva-Romero	Isabel	Contributions of Physical Forcing and Herbivory to Benthic Primary Production
137	Smith	Sarah	An investigation into components of the life history and ecology of <i>Palythoa caribaeorum</i> on the Florida Keys Reef Tract
138	Staton	Megan	Drivers of intertidal purple sea urchin population dynamics and reproductive capacity along the central coast of California.
139	Steele	LaTina	Asian shore crab population decline at a marsh restoration site in Stratford, Connecticut
140	Stein	Jennifer	Changes in abundance and size distribution of SCTLD-susceptible coral species within the Disturbance Response Monitoring dataset in the Florida Keys
141	Stephens	Danae	Endogenized Coral Viruses: An understudied component of the coral virome
142	Sturges	James	Peak Performance: High-relief structure creates habitat heterogeneity that influences fish assemblage structure on Palos Verdes Reef.
143	Sugierski	Sharla	A sponge mortality event associated with a cyanobacterial bloom in central Florida Bay
144	Swan	Ally	The Sexually Dichromatic Use of Chromatophores for Cryptic Coloration in the Shrimp, <i>Neopontonides beaufortensis</i>
145	Talmadge	Ryland	The Physiological Response to Temperature Stress in the Atlantic Stingray
146	Tapia-Batres	Alejandra	"It's getting hot in here": Understanding the mechanisms of calcification in the coral <i>Astrangia poculata</i> and its responses to heat stress
147	Taylor	Max	Effects of the nemertean egg predator <i>Carcinonemertes carcinophila</i> <i>imminuta</i> on fecundity and reproductive output in the Atlantic blue crab, <i>Callinectes sapidus</i>
148	TenBrink	Eleanor	Impact of ocean acidification on the structural integrity of <i>Montipora capitata</i>
149	Tillman	Cole	Investigating Benthic Communities of the Southwest Florida Shelf (SWFS) in relation to Hurricane Ian Impacts
150	Tornabene	Essence	Temporal variations in abundance of the Atlantic mole crab, <i>Emerita talpoida</i> (Decapoda: Anomura: Hippidae), on a renourished beach in Navarre Beach, Florida
151	Trabelsi	Shakira	Red Drum Hematological and Biochemical Health Relative to Pharmaceutical Exposure Across Florida Estuaries
152	Van Nieuwerburgh	Lies	Habitat restoration in a degraded ecosystem: where to begin?
153	Venable	Julian	Development of DNA barcodes for <i>Lepidophthalmus louisianensis</i> and their use in Developing Blocker Primers for Fecal DNA Metabarcoding.
154	Vereen	Timara	Effects of the Eastern Mud Snail (<i>Ilyanassa obsoleta</i>) on Benthic Bacteria Communities
155	Villemarette	Emma	Ghost fishing due to derelict crab traps in Louisiana's Barataria Basin
156	Weeks	Ashley	Can probiotics enhance larvae and recruit survival for upscaling coral propagation in ex-situ spawning facilities?
157	Weinstock	Jane	Impact of ocean temperatures on population-wide reproductive effort and subsequent settlement of intertidal barnacles: Comparisons over space and time
158	Wheeler	Mike	Seagrass and epiphyte seasonality in a biogeographic transition zone
159	White	Daphne	"Greening" Oyster Reef Restoration in the Gulf: Evaluating Biodegradable Alternatives to Traditional Plastic Mesh Bagging Methods
160	Wied	William	Fish excretion methodology: The influence of incubation time and short-term fasting.
161	Wilkins	Emily	Environmental temperature influences developmental plasticity of <i>Strongylocentrotus purpuratus</i> immune system
162	Williams	Mary	Poster: Comparing the Hard-Bottom Community Structure in the ENP portion of the Florida Bay from 2002 to 2022
163	Winn	Nathaniel	Internal Oxygen Dynamics and Rhizosphere Oxidation In Tropical Seagrass, <i>Thalassia testudinum</i>
164	Witman	Jon	Ruth D. Turner PhD Scholarships in Marine Biology
165	Womack	Haley	Investigating immunity post heat stress in the model cnidarian, <i>Exaiptasia diaphana</i>
166	Wong	Juliet	Spines Out: The mystery of an extensive die-off of long-spined sea urchins in Puerto Rico
167	Woods	Natasha	Evaluating the impact of abiotic and biotic factors on early establishment of an expanding coastal shrub, <i>Morella cerifera</i>
168	Yankee	Sydney	Piloting Reef Balls for Wave Attenuation and Erosion Control in a Heavily Impacted Estuary in Connecticut
169	Zlatich	Annabel	Bicolor Damselfish interactions with herbivorous fish in Bonaire
170	Zuniga	Luis	Metagenomic profiling of nitrogen cycling potential in Caribbean sponges

Registration & Opening Social

Time	Wednesday, April 26
4 - 8 PM	REGISTRATION - Promenade outside meeting rooms
4 - 8 PM	POSTER SETUP - Regency Ballroom Prefunction area & Lower Promenade
6 - 8 PM	WELCOME RECEPTION - Riverwalk Terrace & Upper Promenade <i>Sponsored by Florida International University, Institute of Environment</i>

Hotel Conference Room Map



Time	Thursday, April 27				
7:30-8:30	Morning Session Presenters Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Session Honoring Mark Hay 1 Chair: Emmett Duffy	Coral Reef Ecology 1 Chair: Casey Butler	Coral Reef Health 1 Chair: Andrew Altieri	Population Ecology 1 Chair: Morgan Gilligan	Climate Change 1 Chair: Eric Annis
9-9:15	Jay Stachowicz - From Then to ZEN: Integrating local experiments with global-scale observational data in ecology	John Alfievich - A rapid site selection survey as an indicator of stony coral microfragment outplant success	Andrew Altieri - The resilience of coral reefs to ocean deoxygenation	Danielle Barnes - Fitness consequences of relatedness and density in a dispersal-limited sessile invertebrate	Esteban Agudo - Does warmer means hungrier? Effect of temperature on predation in the Galapagos
9:15-9:30	Bob Steneck - From clothes pins to confronting the coral reef crisis (why it is better to be lucky than good)	Nadège Aoki - Enriching reef soundscapes to aid coral larval settlement	Keisha Bahr - Colorful Solutions for a Bleak Future: A Coral Health Reference Card	Brianna Cahill - Diet and Feeding Ecology of the Whitespotted Eagle Ray (Aetobatus narinari) from Florida Coastal Waters Revealed via DNA	Ray Czaa - Can upwelling exposure lead to local adaptation and resilience to ocean acidification?
9:30-9:45	Edwin Cruz-Rivera - Plastic cups and herbivores: the power of simple inexpensive experiments as educational and research tools	Casey Butler - A lobster's buffet in a changing sea: Trophodynamics of spiny lobsters varies with coral reef habitat degradation	Danielle Becker-Polinski - Learning from the past: Impacts of marine heatwaves on coral environmental memory and cross-generational acclimatization	Paige Duffin - Genomic patterns of population structure in ochre sea stars challenge previous reports of range-wide panmixia	Chantelle Clermont - Covering response of green sea urchin (Strongylocentrotus droebachiensis) to environmental variability
9:45-10	Douglas Rasher - Enduring HELL: Ocean warming undermines the recovery of kelp forests following a trophic cascade	Ryan Besemer - Developing the Diminished: Establishing the basis of a gene regulatory network in coral	Darren Brown - Photophysiological absorption efficiency corresponds to depth-dependent distribution of Pocillopora species	Morgan Gilligan - Factors Driving Survivorship of Co-restored "Super Clams" (Mercenaria mercenaria) in the Indian River Lagoon	Reneae Brodie - Rising surface temperatures lead to more frequent and longer burrow retreats in the fiddler crab, Minuca pugnax
10-10:15	Erik Sotka - The genetic legacy of the deliberate introduction of Pacific oysters	Rachael Best - The Role of Phenotypic Plasticity in an Asymbiotic Species of Octocoral in the Northeastern Gulf of Mexico	Scott Burgess - Cryptic coral species (Pocillopora spp) recovery three years after a marine heatwave in Moorea	Tyler Griffin - A multi-study analysis of gut microbiome data from the blue mussel (Mytilus edulis) emphasizes the methodological impact of gut avoidance on biological interpretation	Eric Annis - Wild larvae are more tolerant of temperature stress than lab-reared larvae in the American lobster (Homarus americanus)
10:15-10:45	AM Break 10:15 - 10:45 <i>Sponsored by American Academy of Underwater Sciences</i>				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Session Honoring Mark Hay 2 Chair: Jay Stachowicz	Coral Reef Ecology 2 Chair: Alain Duran	Coral Reef Health 2 Chair: Elsie Keister	Population Ecology 2 Chair: Andrew Kough	Climate Change 2 Chair: M. Zachary Darnell
10:45-11	Margaret Miller - Leaving Babies by the Side of the Road": The challenges of assisted coral recruitment	Allison Blanchette - Testing the adaptability of Acropora cervicornis coral in an in situ common garden experiment	Alexandra Good - Protecting Coral Reefs from Land to Sea: Insights from Montipora Capitata Tolerance Thresholds in Kāneʻohe Bay, Hawai'i	Andrew Kough - Hop, lurch and sometimes fall: quantifying the movement ecology of queen conch in Florida	M. Zachary Darnell - Environmental and social factors driving behavioral decisions associated with thermal risk-taking in fiddler crabs
11-11:15	Sarah Lester - Caribbean reefs of the Anthropocene: Variance in ecosystem metrics indicates bright spots on low-coral reefs	Erin Borbee - Coral larvae show unique transcriptomic responses to pathogen and probiotic exposure	Juliana Grilo - Branching Out Coral Restoration Outreach Activities	Mary Hannon - 2-year survey of Alitta succinea (Annelida: Nereididae) in fouling communities from Galveston Bay, Texas	Sydney Grosskopf - Is the major claw of a fiddler crab a heat sink that reduces thermal stress?
11:15-11:30	Phillip Levin - To HELL and back with Mark Hay: Hay Ecology Lab Legacy	Amy Briggs - Microbially-mediated feedbacks that facilitate regime shifts in coral reefs	Josh Helgoe - Triggers, Cascades, and Endpoints: Connecting the dots of coral bleaching mechanisms	Willia Lane - Experimental evidence of density-dependent growth (but not mortality) for juvenile penaeid shrimp	Gary Dickinson - Interactive Effects of Ocean Acidification and Warming on Shell and Adhesive Properties in the Barnacle Amphibalanus amphitrite
11:30-11:45	Cody Clements - The clock stops for no one: fast times, bottom feeders, and the Hay Ecology Lab Legacy	Rachel Bassett - Coral Gardens on Reef Top Features in the Mesophotic Zone of the Pinnacles Trend and DeSoto Rim region of the northern Gulf	Emma Johnson - DOC enrichment modulates symbiont density, calcification rates, and holobiont diversity in the temperate coral, Oculina	Joshua Lord - Hierarchies and Unique Antipredator Behavior in Shrimp: Challenging Our Assumptions about Marine Invertebrates	Sofia Diaz de Villegas - Prior heat stress affects disease susceptibility in the cnidarian model Exaiptasia diaphana
11:45-12	Emmett Duffy - MarineGEO: Global team science to sustain marine ecosystems on the edge	Alyssa Demko - The effects of probiotics and stony coral tissue loss disease exposure on coral recruits	Elise Keister - Impact of Thermal Stress on Coral Physiology and Symbiodiniaceae Communities in Contrasting Florida Key Reef Environments	Cristian Martinez - The Spawning Patterns of the Purple Urchins	Katie DuBois - Eelgrass populations differ in ability to alter seawater pH and mediate blue mussel response to warming
12-2	Lunch 12 - 2				

Time	Thursday, April 27				
12 - 1	Afternoon Session Presenter Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Biodiversity 1 Chair: Jonathan Lefcheck	Community Ecology 1 Chair: Stephanie Kamel	Coral Reef Health 3 Chair: Jake Warner	Ecosystem Ecology Chair: Paul Montagna	Climate Change 3 Chair: Sarah Cole
2-2:15	Chris Freeman - It takes a community: Exploring the links between biodiversity and ecosystem function in epifaunal suspension feeders	Susanna Lopez-Legentil - Evolving together: Microbial symbionts as indicators of speciation	Michael Studivan - Evaluating resilience of corals from urbanized environments in the Port of Miami	Richard Bartleson - Caulerpa overtakes seagrass in parts of Charlotte Harbor. Will TMDLs help?	Maya Munstermann - Experimental ocean warming and food availability drive shifts in thermal tolerances in purple sea urchin (<i>Strongylocentrotus purpuratus</i>): a key marine herbivore
2:15-2:30	Leah Harper - Species turnover of cryptobenthic fishes and invertebrates across a marine habitat mosaic	Brenna Hutchings - Happy at home: distinct microbial communities among microhabitats in an ascidian-crustacean complex	Jake Warner - Developing functional genomic tools for reef building corals.	Gabrielle Love - Estuarine faunal stability despite ecosystem-scale loss of oyster reef habitat in Apalachicola Bay, FL	Riley Pena - Ocean acidification alters the strength of nonconsumptive predator effects
2:30-2:45	Jonathan Lefcheck - The chicken before the egg: substrate complexity precedes biodiversity in a continent-wide distributed experiment	Stephanie Kamel - Fortune favors the bold? Personality and mortality in a marsh ecosystem predator-prey interaction.	Shane Wever - Restoration potential of stony corals removed from an artificial tire reef in Southeast Florida	Jessica Lunt - Dinner's ready: Induction may decrease time to harvest in eastern oysters	Lexi Wilkes - Assessing rocky intertidal food web and ecosystem service robustness in climate-induced species loss sequences
2:45-3	Katherine Harris - Mangrove Driven Acidification and Shell Dissolution on Intertidal Oyster Reefs	Althea Moore - Plant-soil feedbacks may influence mangrove range expansion depending on dispersal distance	Zoe Ruben - Unlocking the Mysteries of Coral Resilience: An Investigation into the Interplay of Environmental Factors and Coral Holobiont Response in Kane'oh'e Bay	Paul Montagna - Long-term effects of freshwater inflow on benthos at regional scales	Daniel Wuitchik - Outside your shell: how temperature shapes genetic variation in two species of congeneric marine snails
3-3:15	Noreen Mathews - Exploring the biogeography of 'fear' through spatial variation of constitutive and inducible defenses	Melissa May - Oyster reef to red mangrove habitat dynamics: regime-shift influences	Phoebe Whitbeck - Potential tradeoffs in coral recruit growth and survival under varying light conditions in an ex-situ nursery	Christina Salerno - Predation cues amplify the effects of parasites on the personality of a keystone grazer	Talene Yeghissian - Latitudinal Differences in Physiological Responses to Thermal Stress and Acclimation Ability of Fiddler Crabs
3:15-3:30	Christopher Moore - Digenetic trematode parasites as indicators of biodiversity and habitat complexity in coastal ecosystems	David Hudson - Nonconsumptive effects of crustaceans and an echinoderm on spat of the Eastern Oyster <i>Crassostrea virginica</i>	Maya Powell - Coral holobiont diversity and community structure in extreme environments provide insights into reef resilience	Adam Ziegler - Cryptic lineages in the decorator worm <i>Diopatra cuprea</i> along the eastern United States coastline	Sarah Cole - Impacts of Salinity Stress on <i>Crassostrea virginica</i> Density, Recruitment, and Survival in the St. Lucie Estuary, FL
3:30-4	PM Break 3:30-4:00 Sponsored by MarineGeo Smithsonian Institution				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Biodiversity 2 Chair: Patrick Erwin	Community Ecology 2 Chair: Jenn Dijkstra	Coral Reef Health 4 Chair: Diana Lopez	Population Ecology 3 Chair: Christina Zakas	Climate Change 4 Chair: Elizabeth Mansfield
4-4:15	Terry Palmer - Evaluating the effects of reef type on oyster populations and epifauna on a restored subtidal oyster reef in Aransas Bay, Texas	Morgan Will - Spatial Distribution of Reef Top Features in the Mesophotic Zone Below the Deepwater Horizon Oil Slick, with Implications for Resource Management & Restoration	Catherine Lachnit - Searchin' for urchins: the role of echinoids in coral reef restoration	Jackson Powell - Differential effects of temperature on multiple components of fitness: an experimental assessment in a marine bryozoan	Alyson Hall - The Effects of Heatwave Temperature Intensity On Three Dominant Seagrass Species' Photosynthesis and Survival
4:15-4:30	Jill Bourque - Infaunal communities associated with deep-sea coral habitats in the western Atlantic and their relationship to Gulf of Mexico coral communities	Jenn Dijkstra - Shrinking Forests: Mapping the effects of regime shifts on sizes of associated species	Natalie Whitaker - King of the Quarries: Investigating the origins of quarry populations of the Caribbean king crab (<i>Maguimithrax spinosissimus</i>) to advise coral reef recovery in the Florida Keys	Savannah Ryburn - Elucidating shark diets with DNA metabarcoding of fecal matter	Patrick Kiel - Can genet-specific morphology ameliorate the effects of ocean acidification?
4:30-4:45	Lauren Dykman - The discovery of complex parasite life cycles at deep-sea hydrothermal vents	Glenna Dyson - Fine-scale niche modeling growth and disease cover trends of long-term outplanted staghorn corals (<i>Acropora cervicornis</i>) in the lower Florida Keys	Jose Moscoso - Exploring microbial community variations between <i>Favia fragum</i> colonies on Caribbean mangroves and reefs	Natalie Stephens - The effect of the nemertean egg predator <i>Carcinonemertes conanobrieni</i> on female Caribbean spiny lobster <i>Panulirus argus</i> reproduction	Ivana Komendic - What has changed in 20 years? Structure and function of soft-sediment macrofauna in a subarctic embayment, Newfoundland (Canada)
4:45-5	Patrick Erwin - All in the mix: Functional profiles of ascidian microbiomes remain stable despite shifts in symbiont composition	Marc Hensel - Climate change will exacerbate species shifts and elevate the importance of regional management: envisioning a future for Chesapeake Bay seagrass and aquatic plants	Ariel Pezner - Experimental Impacts of Coral Reef Deoxygenation: A Multi-Stressor Approach	Stacy Trackenberg - Surface area and depth drive pinfish habitat choice in North Carolina seagrass meadows	Megan Maloney - <i>Cassiopea</i> jellyfish with blue appendages have higher survival during acute heat stress
5-5:15	Augusto Flores - Mussel facilitation of motile invertebrate assemblages through an intertidal stress gradient	Emily Anderson - Environmental drivers of mobile fauna abundance and size distribution in Richardson Bay, California, USA	Diana Lopez - Variation in the photo-acclimation capacity of <i>Pocillopora</i> spp. from the Panamanian Tropical Eastern Pacific (TEP)	Christina Zakas - Gene expression differences contribute to life-history evolution in the saltmarsh annelid <i>Streblospio benedicti</i>	Elizabeth Mansfield - Exploration of Knowledge, Perceptions, and Valuations of Apalachicola Bay, Florida
6 - 8 PM	POSTER SESSION & SOCIAL - Regency Ballroom Prefunction area & Lower Promenade Sponsored by Florida International University, Walter & Rosalie Goldberg Endowment for Tropical Ecology				

Time	Friday, April 28				
7:30-8:30	Morning Session Presenters Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Aquaculture Chair: Benjamin Belgrad	Coral Reef Ecology 3 Chair: Nicole Fogarty	Session Honoring Jeff Levinton 1 Chair: J. Matt Hoch	Sponge Ecology 1 Chair: Joseph Pawlik	Benthic Acoustics Chair: Chris Conroy
9-9:15	Benjamin Belgrad - Local environment overshadows costs of induced defenses when shaping oysters for reef restoration	Liz Duermit - Mass mortality of the keystone herbivore Diadema antillarum around the Caribbean Sea	Matthew Hoch - Celebrating the legacy of Jeffrey S. Levinton in honor of his retirement	Joseph Pawlik - Looking for the Sponge Loop on Caribbean Reefs	Matthew Ajemian - Breaking ground with underwater sound – an acoustics-based approach to track foraging behaviors and effects from mobile, shell-crushing predators
9:15-9:30	Finella Campanino - Seasonal differences in the benthic and nekton assemblages associated with live oysters on natural intertidal oyster reefs	Nicole Fogarty - Are corals cannibals? A question that consumes me	Lee Smee - Barnacles as biological flow indicators	Camille Berardone - Reproductive Success and Settlement of Brooding Sponges in the Florida Keys	Philip Souza - Using sounds to monitor recreationally important fishes in a highly turbid estuary
9:30-9:45	Maggie Dakin - Hydrodynamics modulate larval development and settlement in the West Indian sea egg (<i>Tripteneustes ventricosus</i>) and the variegated sea urchin (<i>Lytechinus variegatus</i>)	Shelby Gantt - From Land to Sea: Acclimatization of <i>Orbicella faveolata</i> and <i>Acropora palmata</i> to Nearshore and Offshore Environments	Evan Ward - Staring down the barrel of an endoscope: how in vivo observations informed studies of bivalve feeding	Ashley Bobnar - Post-Settlement Developmental Timeline in Brooding Sponges	Glenn LeBaron - Assessing biologic and anthropogenic drivers of spatio-temporal variation in the Galapagos marine soundscape
9:45-10	Christa Russell - Hyposalinity reduces coordination and adhesion of sea urchin tube feet	Nepsis Garcia - Desperate Larvae or Death Before Dishonor: Can old coral larvae replenish degraded reefs?	Peter Petraitis - Climate change and twenty-five years of declines in intertidal species in the Gulf of Maine	Hunt Jones - Cellular resolution of nutrient uptake and recycling indicates microbiome composition affects resource partitioning in Caribbean sponges	Aaron Whitman - Applying acoustic habitat classification to map subtidal blue mussel beds in Casco Bay, Maine
10-10:15	William Jenkins - Lab methods for propagation of mesophotic octocorals in closed water aquaria systems	Gretchen Goodbody-Gringley - Impacts of isolation and protection: exploring long-term trends in coral community structure on Little Cayman Island	Paul Sammarco - Distribution, Abundance, and Genetic Affinities of Corals on Gulf of Mexico Platforms: Who, and Where From?	Kimberly Mace - Modeling the habitat suitability of deep-sea sponges on the Blake Plateau	Stephanie Archer - Impacts of boat noise and the COVID-19 anthropause on fish calling behavior
10:15-10:45	AM Break 10:15 - 10:45 <i>Sponsored by Florida Sea Grant</i>				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Fisheries 1 (sponsored by Florida Wildlife Commission) Chair: John Bruno	Coral Reef Ecology 4 Chair: Mark Ladd	Session Honoring Jeff Levinton 2 Chair: J. Matt Hoch	Sponge Ecology 2 Chair: Janie Wulff	Benthic Monitoring 1 Chair: Thomas Butkiewicz
10:45-11	Mia Adreani - Estimating fecundity and spawning frequency of temperate reef fishes: a comparison of natural and artificial reefs	Simon Johannes Brandt - Unifying coral reef regimes through space and time reveals a rapidly changing ecosystem	Michael Judge - Population Connectivity Patterns and Genetic Structure in a Long-Lived Supralittoral Periwinkle: Closing the Brass Ring	Greer Babbe - Porifera community structure and association to current acidification and eutrophication in two transitional ecosystems	Thomas Butkiewicz - Virtual Reality for Coral Reef Analysis, Annotation, and Outreach
11-11:15	John Bruno - Sale of critically endangered sharks in the United States	Don Levitan - What makes a coral species weedy? Comparing patterns of relatedness, clonality and dispersal in the Caribbean corals <i>Porites astreoides</i> and <i>Orbicella annularis</i> in St. John, US Virgin	Marc Weissburg - Non-sequential risk signaling of prey at different trophic levels creates context dependent NCEs	Alicia Reigel - Marine sponge exhalant water has a species-specific DOM profile	Christina Mallica - Quantifying fine-scale rugosity metrics across stony coral species and other benthic groups using 3-D reconstruction techniques
11:15-11:30	Alexandra Dubel - Ecological and physical drivers of a small-scale fishery in Moorea, French Polynesia	Gloria Keough - Density and location affect survival of <i>Acropora palmata</i> on Florida's Coral Reef	Michael Rosenberg - Fiddler crab biogeography in response to climate change	Bobbie Renfro - One Small Step for Restoration, One Large Step for Sponge-kind: The First Reef Sponge Restoration Initiative for Florida's Coral Reefs	Gracia Rojas - Subtidal Monitoring and Underwater 360° Imagery Composition
11:30-11:45	Britas Klemens-Eriksson - Foreshore salt-marshes have a value and need to be incorporated in management plans for fish – still, don't do like the Dutch!	Ted Gniffke - Preliminary assessment of mesophotic octocoral microbiomes in the western Gulf of Mexico	Bengt Allen - Is Anyone Here a Marine Biologist? Reflections on the Career of Jeffrey S. Levinton	Janie Wulff - Phenotypic plasticity and diversification in coral reef sponges	Kindrat Beregovyi - Calculating Rugosity from Structure-from-Motion Models of Complex Habitats
11:45-12	Clark Morgan - Building conservation capacity for the goliath grouper (<i>Epinephelus itajara</i>): fine scale behavioral ecology, fishery interactions, and best release practices	Nick Jones - Temperature and local anthropogenic pressures limit the recovery potential of stony coral assemblages in Southeast Florida	Jeffrey Levinton - Is a fiddler crab flat one gigantic breeding colony?	Shelly Krueger - Sponge-mediated nitrogen cycling: measuring nitrogen fluxes for three sponge species (glove <i>Spongia cheiris</i> , loggerhead <i>Spheciospongia vesparium</i> , and sheepswool <i>Hippospongia lachne</i>) in the nearshore waters of the Florida Keys	Riley Hatch - Maximizing sampling effort to estimate benthic percent cover
12-2	Lunch 12 - 2				

Time	Friday, April 28				
12 - 1	Afternoon Session Presenter Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Fisheries 2 (sponsored by Florida Wildlife Commission) Chair: Jason Goldstein	Coral Reef Ecology 5 Chair: Andrew Rassweiler	Chemical Ecology Chair: Valerie Paul	Ecophysiology 1 Chair: Joe Lopez	Coral Reef Restoration (sponsored by Florida Wildlife Commission) Chair: Dana Williams
2-2:15	Caroline Benfer - Broadscale distribution of lobster larvae, Homarus americanus, and zooplankton prey in the Gulf of Maine and Georges Bank	Taylor Lindsay - Morphological and physiological plasticity in depth specialized corals	Noam Altman-Kurosaki - Turf-coral interactions: temporal variance in chemically-mediated impacts	Madison Emery - Trade-offs between symbiosis and immunity in the upside-down jellyfish Cassiopea in response to pathogenic bacteria	Sydney Bell - Can genomic and algal symbiont data predict coral restoration success?
2:15-2:30	Jason Goldstein - Swimming in a sea of trouble: Effect of warming sea temperatures on postlarval lobster (Homarus americanus) swimming performance and energy reserves	Rebecca Ward-Diorio - Indirect effects of the COVID-19 quarantine on reef fish behavior and diversity in the Galapagos Islands	Valerie Paul - Studies of chemical ecology of coral diseases	Joe Lopez - The Aquatic Symbiosis Genome (ASG) Project Aims to Find Common Mechanisms for Photosymbiosis Across a Wide Phylogenetic Spectrum	James Emm - Monitoring practices and goals of the Mission: Iconic Reefs restoration initiative
2:30-2:45	Robert Jarrett - Mapping and modeling habitat to determine drivers of dramatic shifts in American lobster demography in the Gulf of Maine	Scott Miller - Relative importance of dynamic and static reef characteristics on the distribution of coral reef fishes	Anjali Gopakumar - Investigating Belowground Changes to Biogeochemistry and Sediment Communities in Restored Saltmarshes	Jeb Byers - Exotic asphyxiation: interactions between invasive species and hypoxia	Emily Esplandiu - Carbonate Budgets: Evaluating coral restoration success through reef accretion rates of outplanted Acropora
2:45-3	Lori Morris - The pursuit of persistent seagrass in the Indian River Lagoon	Matt Nicholson - A quantitative comparison of biomass transfer by predators and parasites from Stegastes damselfishes on Caribbean coral reefs	Shane Farrell - Characterizing the changing chemoscape on Gulf of Maine rocky reefs	Kellie Navarro - Exploration of cold stress effects on Astrangia poculata gene expression	Nick McMahon - Mote's International Coral Gene Bank: infrastructure to preserve coral species and optimize genetic diversity for coral reef restoration
3-3:15	Alyssa Baker - The Complete Mitochondrial Genomes of the Brown Spiny Lobster Panulirus echinatus and the California Spiny Lobster Panulirus interruptus with Insights on the Phylogeny of the Achelata	Token Payton - Patterns and taxa associations of anthropogenic marine debris on reefs in the middle Florida Keys	Nathan Spindel - Quantifying benthic dietary shifts and their consequences for individual herbivore performance and population dynamics in a recovering kelp forest: a hybrid survey-biotracer approach	Brian Cheng - Greater local adaptation of thermal limits within marine than terrestrial species	Gabrielle Pantoni - Assessing coral restoration feasibility in the face of stony coral tissue loss disease on the northern portion of Florida's Coral Reef
3:15-3:30	Merritt McCall-Walker - Better bycatch reduction devices for the Gulf of Mexico commercial shrimp trawl fishery	Andrew Rassweiler - Using periodic fishery closures to manage alternate states of coral reef ecosystems	Sarah Roney - Eastern oysters (Crassostrea virginica) use morphological defenses against chemical cues of multiple predator species	Mark Butler - GOLT: A unifying theory for the growth, reproduction, and behavior of water breathing animals?	Dana Williams - Reversing the decline of genotypic diversity of Acropora palmata in Florida requires restoration intervention
3:30-4	PM Break 3:30-4:00 Sponsored by International Game Fish Association				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Fisheries 3 (sponsored by Florida Wildlife Commission) Chair: Erica Ross	Disturbance Ecology Chair: Cassandra Glaspie	Coastal Ecology (sponsored by Florida Sea Grant) Chair: Shelly Krueger	Ecophysiology 2 Chair: Philip Gravinese	Benthic Monitoring 2 Chair: Matt Tyler
4-4:15	Lauren Bulik - Relationship Between Derelict Lobster Trap Conditions and Biodiversity in the Florida Keys Marine Sanctuary	Jennifer Gilmore - Response of benthic macrofauna to acute environmental disturbance in Baffin Bay, Texas	Savanna Barry - Water temperature and season length interact to explain a rare non-linear ecogeographic cline in body size	Lindsey Stevenson - An examination of cold tolerance in Halodule wrightii: Is there a latitudinal gradient from Florida to North Carolina?	Holly Sweat - Don't kill the messengers: Estuarine benthic condition tracked via 18 years of infaunal monitoring
4:15-4:30	Ben Gutzler - Punching (bait) bags: accelerometers allow simple comparisons of bait attractiveness	Lizbeth Amador - Rocky intertidal ecosystems are more resilient to large increases in herbivory	Lindsay Spiers - Assessing the effect of disease and finfish predation on growth and survival of outplanted SCTLD-susceptible coral species in the Florida Keys	Jared Oviatt - Effects of light and temperature on the spatial and temporal community dynamics of a North Carolina epibenthic community	Matt Tyler - Estimation of kelp and red turf algae habitat from bathymetry and Landsat imagery in the Gulf of Maine
4:30-4:45	Mary Munley - Whelk-Trap Video System: A Tool for Investigating Channeled Whelk Bait Preference, Trap Interactions, and Feeding Behavior	Hannah Mazurek - Reproductive metrics of Orbicella faveolata to inform use of amoxicillin treatments	Gabriela Reyes - Mangrove Stands in Miami are Small but Provide Important Ecosystem Functions	Philip Gravinese - Are stone crabs HABING a hard time?	Emily Vidusic - A comparison of multiple methods to measure purple sea urchin population densities within the Monterey Peninsula intertidal
4:45-5	Erica Ross - Using reflex impairment to predict health and reduce discard mortality of the Caribbean spiny lobster, Panulirus argus, fishery	Cassandra Glaspie - Benthic response to nonlinear sedimentation events in a filled dredge area	Kate Rose - Citizen Science: A Two-Prong Approach to Addressing Florida's Seagrass Loss	Theresa Hong - Physiological Response to Thermal and Hydric Stress in the Fiddler Crab Leptuca pugilator Along a Latitudinal Transect	Ann Wassick - Comprehensive monitoring of biofouling communities to provide insights for management practices
5-5:15	Nathan Waltham - Restoring coastal wetland habitats for blue carbon, biodiversity, and water quality outcomes in the Great Barrier Reef, Australia	Zachary Graff - Parrotfish populations across Florida's Coral Reef Tract	Jamila Roth - Macrophyte species richness improves resilience to grazing	Julie Karlsson - Cardiac performance as a function of temperature in larval American lobsters (Homarus americanus)	Chris Conroy - Benthic community associations in fine- and coarse-sediment substrates revealed during extensive habitat mapping efforts in Eastern Long Island Sound
5:30 - 6:15	BEM All-Society Business Meeting - TUTTLE				

Time	Saturday, April 29				
7:30-8:30	Morning Session Presenters Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Coral Reef Ecology 6 Chair: Stephanie Schopmeyer	Coral Reef Climate Change 1 Chair: Jordan Casey	Seagrass Ecology 1 Chair: Bradley Peterson	Benthic Ecology 1 Chair: Melinda Donnelly	Anthropogenic Impacts 1 Chair: Jarrett Byrnes
9-9:15	Alastair Harborne - Reef complexity supports the fish prey needed for effective shark conservation	Jill Ashey - Intra-generational acclimatization in the temperate coral, <i>Astrangia poculata</i>	Lauren Alvaro - Changing foundation species in Chesapeake Bay: implications for faunal communities of two dominant seagrass species	Cierra Braga - Understanding how surface exposure of UVC can influence subsequent biofouling development	Maria Rosa - 3D printed plant-based biodegradable materials as alternative for PVC panels for monitoring coastal biodiversity
9:15-9:30	Remedy Rule - The Coral Sweet Spot: Identifying Ideal Size and Density for Coral Restoration	Isabella Changsut - Characterizing the induced immune response in the facultatively symbiotic coral, <i>Astrangia poculata</i>	Diana Chin - Help from near and far: infaunal bivalve-seagrass symbioses and their potential uses in seagrass restoration	Melinda Donnelly - Restoration of Coastal Wetland Habitats Altered for Mosquito Control in Florida	Elisa Baldrighi - Deep-sea Benthos Response to the Deepwater Horizon Oil Spill: focus on harpacticoid families as sentinels of impact through space and time
9:30-9:45	Stephanie Schopmeyer - Increasing survival of land-reared, non-branching coral outplants	Colleen Bove - Environmental drivers of coral-associated algal and microbial communities across multiple scales	Flynn DeLany - Eelgrass (<i>Zostera marina</i>) restoration utilizing targeted facilitations from eastern oyster (<i>Crassostrea virginica</i>) co-transplantation	Robert Lamb - A multi-species test of the temperature constraint hypothesis across a regional upwelling gradient	Grace Beery - Analyzing the effects of ubiquitous urban pollutants on the physiology of <i>Astrangia poculata</i> , a temperate coral
9:45-10	Jennifer Sneed - Assessing the prevalence and antibiotic sensitivity of crustose coralline algae disease in the lower Florida Keys	Jordan Casey - Trophic specialization highlights vulnerability of coral reefs to global change	Lauren Hall - Interactions between salinity, temperature, and availability of light affect seagrasses and the rhizophytic alga, <i>Caulerpa prolifera</i>	Jessica MacGregor - Stressed Out Scallops: Understanding bay scallop die-offs in the Peconic Estuary, NY	Nicolas Rivas - Maximizing sampling effort to estimate benthic percent cover
10-10:15	Joseph Unsworth - Developing structures to mitigate fish corallivory	Stephanie Bilodeau - Do coral-eating nudibranchs care about coral bleaching?	Bradley Peterson - HEAT: Helping Eelgrass Adapt to Temperature - A Call to Action	Penny McCowen - Comparison of deep-sea macrofaunal communities across hydrocarbon seep habitats along the U.S. Pacific margin	Jarrett Byrnes - Oh S**T! I forgot to measure that! Coping with omitted variable bias for the causal analysis of observational data
10:15-10:45	AM Break 10:15 - 10:45				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Coral Reef Ecology 7 Chair: Jeremy Long	Coral Reef Climate Change 2 Chair: Michael Childress	Seagrass Ecology 2 Chair: Jessie Jarvis	Benthic Ecology 2 Chair: Jonathon Lefcheck	Anthropogenic Impacts 2 Chair: James Douglass
10:45-11	Marina Villoch - Location determines the microbiome of corals within the Gulf of Aqaba	Andia Chaves-Fonnegra - Reefs in the Absence of Scleractinian Corals	Enie Hensel - Stingrays alter seagrass meadows as predators and habitat engineers	Luis de Palma - Surfing the World Wide Web: global trends in seagrass food webs	Haley Capone - Nutrient enrichment differentially affects the thermal performance of Galápagos seaweeds
11-11:15	Alicia Vollmer - Developing SNP based genomic markers for <i>Pseudodiploria strigosa</i>	Michael Childress - Increasing heat load drives macroalgae abundance more than parrotfish biomass in the middle Florida Keys coral reefs	Devan Hildebrand - Spatial patterns in dormant seagrass seed densities in Pensacola and Perdido Bays, FL: insight into seagrass reproductive output to inform natural resource management	Alejandro Pérez-Matus - Ecoregion variation in kelp forest facilitation of reef fish abundance, species richness and reef fish predators	Jeanette deCuba - Benthic Foraminiferal Response to the BP Deepwater Horizon Oil Spill
11:15-11:30	Hope Wilson - Stony coral Spawning Hubs in Southeast Florida, USA	Mary-Alice Coffroth - Octocoral thermotolerance may signal resilience to major bleaching events: roles of symbiont and host	Ryan James - Seasonal variation in trophic niche size and overlap in a seagrass food web	Abby Roche - Investigating the benthic communities in the Northern Gulf of Mexico's hypoxic Dead Zone	James Douglass - Assessing SW Florida Shelf Benthos to Interpret Natural and Anthropogenic Disturbance Impacts
11:30-11:45	Kelly Yumi Inagaki - Twenty years of studies on coral-algal interactions: global patterns and future directions	Matt Doherty - Phenotypic plasticity of <i>Montastraea cavernosa</i> and <i>Porites astreoides</i> along a depth gradient from shallow to mesophotic reefs in the Cayman Islands	Jessie Jarvis - Trailing vs Leading Edge Seagrasses: Influence on Meadow Resilience and Recovery	Jordan Woolfrey - Reef Ball artificial reefs as a habitat compensation measure in Placentia Bay, Newfoundland	Laurel Field - Advancing conservation of coastal ecosystems by quantifying nature's benefits
11:45-12	Jeremy Long - Removing the giant seaweed blob (<i>Sargassum</i>) from shores indirectly alters dunes and jungles in habitat-specific ways	Gabriel Delgado - Warming sea surface temperature trends in the Florida Keys: Implications for queen conch (<i>Aliger gigas</i>) population persistence	Marguerite Koch - Linkages between seagrass tissue oxygen dynamics and ecosystem oxidation and feedbacks revealed using microsensors in situ	Javier Zapata - Changes in the community structure and demographic growth of intertidal belts of <i>Lessonia berteroana</i> , associated with active restoration processes in areas impacted by mining in northern Chile	Caroline Fleming - Understanding the impacts of nutrient pollution on a facultative symbiosis in an era of global change
12-2	Lunch 12 - 2				

Time	Saturday, April 29				
12 - 1	Afternoon Session Presenter Load Powerpoints - Orchid A				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Biological Invasions Chair: Patricia Ramey-Balci	Coral Reef Climate Change 3 Chair: Howard Lasker	Oyster Reef Ecology Chair: Michael Russel	Coral Reef Disease 1 Chair: Samantha Buckley	Anthropogenic Impacts 3 Chair: Dara Wilber
2-2:15	Patricia Ramey-Balci - Ready or not, here I come: a recent new invader to Canada, the Asian Shore Crab (<i>Hemigrapsus sanguineus</i>)	Matthew Gilg - Heritability of tolerance and acclimation ability to elevated temperature exposure in <i>Acropora cervicornis</i>	Jenny Bueno - The application of unoccupied aerial systems (UAS) for intertidal oyster reef monitoring	Kelsey Beavers - Relating Stony Coral Tissue Loss Disease Phenotypes to Gene Expression Reveals Indicators of Disease Susceptibility	Kailey Richard - Understanding the efficacy of UVC application for marine biofilm removal.
2:15-2:30	Laura Crane - Seasonal and interannual trends in the distribution of the range-expanding blue crab (<i>Callinectes sapidus</i>) in southern Maine estuaries	Serena Hackerott - What doesn't kill you makes you stronger? Exploring the lasting influence of environmental history on <i>Acropora cervicornis</i> corals	Randi Cannon - Mutant Poop: Understanding the relationship between oyster ploidy and feeding behavior	Samantha Buckley - Spatiotemporal mapping of algal symbiont communities in <i>Orbicella faveolata</i> and associations to SCTLD susceptibility	Madelyn Hair - Plastic problems: the impact of plastic leachate oleamide on <i>Octopus vulgaris</i> trophic interactions
2:30-2:45	Jennifer Hill - Floating along marsh edges: Invasive water hyacinth provides an ephemeral habitat for estuarine species	Howard Lasker - A new normal for Caribbean Reefs?	Shelby Ziegler - Effects of multiple environmental stressors on disease in southeastern oyster reefs	Ashley Carreiro - Assessment of nutrient amendment effects on stony coral tissue loss disease	Meghan Johnson - Impacts of dredging on benthic infauna diversity and the endangered gulf sturgeon in Lake Borgne, Louisiana
2:45-3	Matthew Souza - Predation risk in changing seagrass meadows: comparing native, invasive, and mixed Caribbean seagrass beds in the US Virgin Islands	Daniel Perez - Twenty Year Assessment of a South Florida <i>Acropora cervicornis</i> Thicket	Michael Russel - Predator induced defenses improve oyster survival on a restored intertidal reef.	Allie Kozachuk - Monthly disease intervention on the largest corals prolongs colony life during coral disease outbreaks	Amy Jones - Cross-ecosystem coupling via predation in the intertidal and subtidal coastlines of the Boston Harbor Islands
3-3:15	Shannon McAskill - Changes in Floating and Submerged Aquatic Vegetation (SAV) and Habitat Use by Nekton Across the SAV Growing Season in the Atchafalaya River Delta, Louisiana	Gina Hendrick - Caribbean gnathiid isopod (Crustacea, Isopoda, Gnathiidae) blood meal identification reveals contribution to connectivity among coral reef-associated habitats via host bias for diel migratory fishes.	Grace Westphal - Toward an ecological understanding of Dermo disease in Eastern oysters: investigating variation in infection patterns and virulence across the landscape	Laura Mydlarz - Leveraging disease transmission studies for coral immune data and predictive modeling	Dara Wilber - Lobster and Cancer Crab Responses to Offshore Wind Farm Development in Southern New England
3:15-3:30	Kelcie Chiquillo - Forensic testing in Biscayne Bay waterways: Using eDNA to monitor vertebrate biodiversity	Reagan Sharkey - Spatiotemporal environmental and anthropogenic drivers affecting stony coral tissue loss disease (SCTLD) in an endemic region	Cyrille Teforlack - The Impacts of Nitrates on Survival and Early Morphological Development in Eastern Oyster Larvae	Brian Walker - Unveiling coral disease dynamics and susceptibility through repeated lesion interventions	Catherin Matassa - Exploring the biogeography of 'fear' through spatial variation of constitutive and inducible defenses
3:30-4	PM Break 3:30-4:00				
Room	Tuttle	Monroe	Flagler	Brickell	Orchid B, C & D
Session & Chair	Benthic Ecology 3 Chair: Diana Chin	Community Ecology 3 Chair: Martin Posey	Biodiversity 3 Chair: Timothy Swain	Coral Reef Disease 2 Chair: Rob Ruzicka	Anthropogenic Impacts 4 Chair: Ryan Sirota
4-4:15	Bridget Patterson - Functional trait clustering in Z. marina epifaunal communities varies at local scales in the Gulf of Maine	Matthew Ogburn - Fish size-spectra from imaging sonar reveal variation in habitat use across nearshore coastal ecosystems	Brandon Rose - License to krill: gut microbiome diversity and composition across cetacean species	Karen Neely - The fate of amoxicillin-treated corals: lessons and status after four years of SCTLD intervention in Florida	Beck Powers-McCormack - Global and regional trends in seagrass systems over 20 years: Insights from SeagrassNet
4:15-4:30	Danielle Hatt - The effect of Sargasso inundations on benthic assemblages within nearshore seagrass communities	Martin Posey - Variations in shallow nekton assemblages at varying spatial and habitat scales	Riley Schmidt - Infaunal community characteristics in Atlantic slipper shell (<i>Crepidula fornicata</i>) dominated soft-sediment habitats in eastern and central Long Island Sound.	Kristene Parsons - Is stony coral tissue loss disease a restoration roadblock? Geographical incidence of SCTLD in three boulder coral species outplanted along Florida's Coral Reef	Audrey Sarin - Implications of sea urchin culling in Monterey Bay National Marine Sanctuary
4:30-4:45	Nicholas Yoong - Regional and seasonal variation impacts Gulf of Maine eelgrass epifaunal communities differently across trophic levels	Craig Plante - Feeding effects of the keystone deposit feeder <i>Ilyanassa obsoleta</i> on sedimentary diatoms	Timothy Swain - Molecular Parataxonomy Cannot Solve the Taxonomic Impediment	Rob Ruzicka - Quantification of Coral Population Losses on Florida's Coral Reef due to Stony Coral Tissue Loss Disease	Ryan Sirota - Impacts of antiscalant and coagulant discharges from seawater desalination on benthic habitats.
4:45-5	Jill Tupitza - Benthic macrofaunal communities restructure quickly: a reciprocal transplant experiment	Matt Pierce - Effect of wrack disturbances on <i>Spartina alterniflora</i> and saltmarsh invertebrate communities	Reneisha Sweet - Comparison of commonly used methods for extraction and purification of environmental DNA from enclosed Sterivex filters	Amanda Zummo - The long-term effectiveness of one-time broadscale SCTLD interventions in an endemic zone.	Brielle Robbins - The influence of submarine groundwater discharge on SAV density in Florida Bay
6 - 10 PM	BANQUET & STUDENT AWARDS CEREMONY ABOARD "THE BISCAYNE LADY" - Riverwalk Terrace (loading promptly at 6PM - or you will have to swim to the ship!)				

Notes