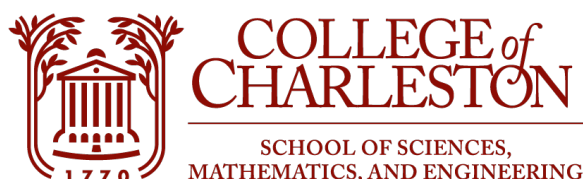


# The 52nd Benthic Ecology Meeting



April 10-13 2024 Charleston, South Carolina

*Sponsored by:*



See Details at <https://bem.disl.edu> and Whova App

# Schedule-at-a-glance

## Wednesday, April 10th, 2024

3:00-9:00 pm	Meeting Registration (upload talks)	Opal One
6:00-9:00 pm	Opening Reception	Emerald Ballroom

## Thursday, April 11th, 2024

7:00-5:00 pm	Meeting Registration (upload talks)	Opal One
9:00-10:15 am	1st Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
10:15-10:45 am	Coffee Break	Promenade
10:45-12:00 pm	2nd Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
12:00-2:00 pm	Lunch Break (put up posters)	(on your own)
2:00-3:15 pm	3rd Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
3:15-3:45 pm	Coffee Break	Promenade
3:45-5:00 pm	4th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
5:00-5:30 pm	Break	(on your own)
5:30-7:30 pm	1st Poster Session / Reception	Emerald Ballroom & Promenade

## Friday, April 12th, 2024

7:00-5:00 pm	Meeting Registration (upload talks)	Opal One
9:00-10:15 am	5th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
10:15-10:45 am	Coffee Break	Promenade
10:45-12:00 pm	6th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
12:00-2:00 pm	Lunch Break (put up posters)	(on your own)
2:00-3:15 pm	7th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
3:15-3:45 pm	Coffee Break	Promenade
3:45-5:00 pm	8th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
5:00-5:30 pm	Break	(on your own)
5:00-5:30 pm	Business Meeting of the BEMS	Crystal Ballroom AB
5:30-7:30 pm	2nd Poster Session / Reception	Emerald Ballroom & Promenade

## Saturday, April 13th, 2024

7:00-5:00 pm	Meeting Registration (upload talks)	Opal One
9:00-10:15 am	9th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
10:15-10:45 am	Coffee Break	Promenade
10:45-12:00 pm	10th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
12:00-2:00 pm	Lunch Break	(on your own)
2:00-3:15 pm	11th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
3:15-3:45 pm	Coffee Break	Promenade
3:45-5:00 pm	12th Session Oral Presentations	Crystal Ballrooms AB, C, D, EF, Topaz
5:00-6:30 pm	Break (meet at side hotel entrance for busses to banquet beginning at 6:00 pm)	
6:30-9:30 pm	BEM Banquet	SC Aquarium (tickets required)

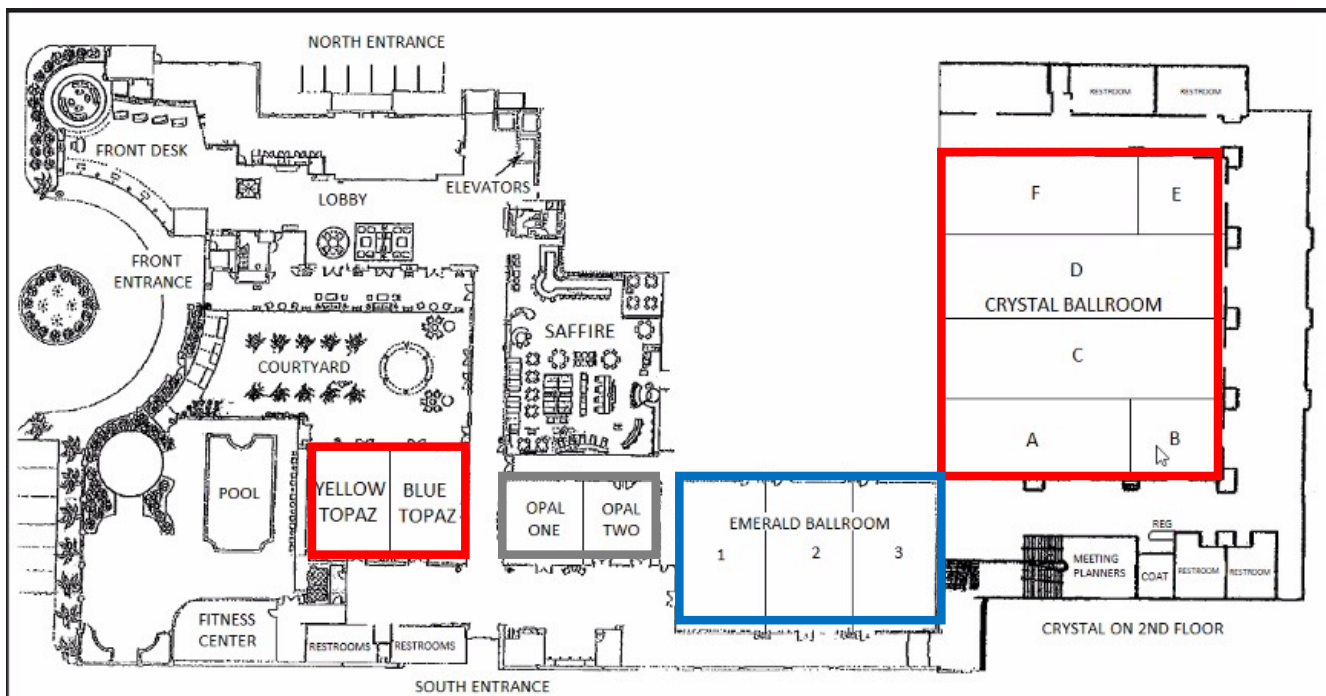
## Sunday, April 14th, 2024

7:00-11:00 am	Meeting Takedown	Conference Organizers room
11:00 am	Hotel Checkout	

# Session Schedule

Session	Thu April 11	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
1	9:00-10:15	Recruitment / Larval Ecology - 1	Benthic Monitoring -1	Biological Invasions - 1	Restoration - 1	Coral Reef Ecology - 1
2	10:45-12:00	Recruitment / Larval Ecology - 2	Benthic Monitoring -2	Ecophysiology - 1	Restoration - 2	Coral Reef Ecology - 2
3	2:00-3:15	Restoration - Oyster 1	Coral Reef - Health / Disease -1	Community Ecology - 1	Kelp Ecology - 1	Fisheries - 1
4	3:45-5:00	Restoration - Oyster 2	Coral Reef - Health / Disease -2	Community Ecology - 2	Kelp Ecology - 2	Fisheries - 2
	Fri April 12	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
5	9:00-10:15	Coral Reef Ecology - 3	Coral Reef Restoration - 1	Biodiversity-Molecular 1	Aquaculture - 1	Chemical Ecology
6	10:45-12:00	Coral Reef Ecology - 4	Coral Reef Restoration - 2	Biodiversity-Molecular 2	Aquaculture - 2	Oyster Reef Ecology - 1
7	2:00-3:15	Recruitment / Larval Ecology - 3	Coral Reef Restoration - 3	Trophic Relationships	Biological Invasions - 2	Oyster Reef Ecology - 2
8	3:45-5:00	Ecophysiology - 2	Coral Reef Restoration - 4	Climate Impacts	Anthropogenic Impacts - 1	Life History Strategies
	Sat April 13	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
9	9:00-10:15	Coral - Climate Change - 1	Fisheries - 3	Coral Reef Biodiversity - 1	Deep Sea Ecology	Community Ecology - 3
10	10:45-12:00	Coral Reef Ecology - 6	Restoration - 3	Coral Reef Biodiversity - 2	Seagrass Ecology - 1	
11	2:00-3:15	Coral Reef Ecology - 7	Coral Reef - Health / Disease -3	Biodiversity-Molecular 3	Seagrass Ecology - 2	
12	3:45-5:00	Coral Reef Ecology - 8	Coral - Climate Change -2	Population Ecology	Anthropogenic Impacts - 2	

## Hotel Map



Talks – Crystal (AB, C, D, EF) and Topaz

Posters - Emerald

Operations - Opal

## Food and restaurant suggestions



### **Lunch places – (distance from Marriott)**

[Saveurs Du Monde Café](#) (0.1 miles)  
[Publix](#) grocery store (0.1 miles)  
[Hokkaido Sushi and Hibachi](#) (0.2 miles)  
[Jimmy Johns](#) (0.2 miles)  
[KFC](#) (0.3 miles)  
[McDonalds](#) (0.3 miles)  
[GogiBop Fusion Grill](#) (0.4 miles = but have to cross the busy Crosstown)  
[Bodega Todo](#) (0.5 miles)  
[Bon Banh Mi](#) Southeast Asian Kitchen (0.6 miles)  
[Little Line Kitchen and Provisions](#) (0.6 miles)  
[Porchetta](#) Shop (0.6 miles)  
[Medical District Greenway](#) food trucks – check the [schedule](#) (0.7 miles)  
[Xiao Bao Biscuit](#) (0.8 miles)  
[Fuel Caribbean Cantina](#) (0.8 miles)  
[Marina Variety Store Restaurant](#) (0.9 miles)  
[Ladles Soups](#) (1.0 miles)  
[Island Provisions Downtown](#) (1.2 miles)  
[Brown Dog Deli](#) (1.2 miles)

### **Breakfast**

Daps  
Holey City Bagels  
The Daily  
Miller's All Day  
The Harbinger  
Welton's Tiny Bakeshop

### **Cheap Eats**

Juanita Greenberg's  
Sabatino's  
Ha Long Café

### **Raw Bars**

167 Raw  
The Darling

### **Favorite Breweries**

Edmund's Oast Brewery - 1505 King Street  
(great outdoor space for large gatherings)  
Revelry Brewery - 10 Conroy St  
Palmetto - 289 Huger St (one of the original  
breweries in CHS)

### **Our Favorite Spots**

Lewis BBQ  
HomeTeam BBQ  
Rodney Scott's BBQ  
Fleet Landing  
Leon's  
Little Jack's  
Stella's  
Pink Bellies  
O-Ku  
Rancho Lewis  
The Ordinary  
Edmund's Oast restaurant – 1081 Morrison  
Drive

### **Dessert**

Jeni's Ice Cream  
Peace Pie

*Links to Google maps of lunch places can  
be found at <https://bem.disl.edu>*

# Thursday April 11

	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
Session 1	Recruitment / Larval Ecology - 1	Benthic Monitoring - 1	Biological Invasions - 1	Restoration - 1	Coral Reef Ecology - 1
09:00 AM	Kyrie Newby - (Possibly) Good vibrations: Low frequency anthropogenic sound and mussel settlement and survival patterns	Lakean McGregor - Examining the recovery rate of the syngnathids spp. in the Northern IRL	Paula Pappalardo - Influence of sampling methods in early detection of non-indigenous species	Rachel Gittman - Predicting outcomes of bivalve-seagrass interactions in shallow estuaries	Yuyang Li - Benthic community variation of shallow coral reefs and the effect of herbivory on algae in the United States Virgin Islands
09:15 AM	James Klein - Salinity and food supply influence oyster larval performance and recruitment limitation in the western Mississippi Sound: a modeling study	Abby Roche - Investigating benthic communities amongst the Northern Gulf of Mexico's hypoxia ridden dead zone	Heather Spalding - The cryptogenic macroalgal invader Chondria tumulosa overgrows entire coral reefs in the Papahānaumokuākea Marine National Monument, Northwestern Hawaiian Islands	Paul Bologna - Is seagrass restoration getting harder? Conflicts in restoration and mitigation efforts	Hannah Rempel - Assessing the trophic dynamics of nominally herbivorous fishes on Caribbean coral reefs across ecological gradients
09:30 AM	Nayan Mallick - Long-term changes in size of penaeid post-larvae from a temperate estuary	David Wethey - 70 meter surface temperatures from space: ECOSTRESS is a game changer for coastal and benthic ecology	Ray Radick - Invertebrate communities differ between a cryptogenic invasive and a native macroalga in the Papahānaumokuākea Marine National Monument, Hawai'i	Michael Cornish - Sclerochronology reveals that seagrass restoration and climate forcing mediate bivalve size structure and long-term growth	Noam Altman-Kurosaki - Interactions between herbivory, predation, and nutrient enrichment have divergent impacts on two common Pacific corals
09:45 AM	Mariana Bonfim - Strong recruitment niche differentiation occurs across latitude with higher niche overlap in the tropics	Holly Sweat - Good answers vs. fast answers: The search for an efficient benthic condition index	Brian Cheng - Climate warming threatens native but not invasive populations of the predatory Atlantic oyster drill	Lauren Hall - Potential for recovery of seagrass from seeds in the Indian River Lagoon, FL	Daniel Cryan - Are cleaning stations safe havens from predation on coral reefs?
10:00 AM	William Jenkins - Spawning patterns, larval behavior, and settlement ecology of two mesophotic octocorals, <i>Swiftia exserta</i> and <i>Thesea nivea</i> , in aquaria	Jill Tupitza - How effective is eDNA metabarcoding at monitoring benthic habitats in a turbid, coastal estuary?	Stephanie Bilodeau - Invasive plant diets impact food choices, growth, and survival in juvenile crayfish	Lori Morris - Trials and tribulations of transplanting seagrass...how many obstacles can we overcome?	Natalie Stephens - The effect of the nemertean egg predator <i>Carcinonemertes conanobrieni</i> on Caribbean spiny lobster <i>Panulirus argus</i> active parental care behaviors
Session 2	Recruitment / Larval Ecology - 2	Benthic Monitoring - 2	Ecophysiology - 1	Restoration - 2	Coral Reef Ecology - 2
10:45 AM	Eric Annis - Linking larval physiological temperature tolerance in the lab to performance and settlement in the field in the American lobster	Danny Gleason - Effects of protected area implementation on community structure of sessile invertebrates in Gray's Reef National Marine Sanctuary: The first 11 years	Kyler Sloan - Dissolved organic carbon as a potential food source for gorgonians	Torrance Hanley - Effects of seed source and sediment conditioning on seagrass germination and seedling performance	Mark Hay - The other side of a biodiversity issue: Macroalgal diversity does not differentially suppress coral performance
11:00 AM	Jason Goldstein - Drivers of egg clutch success in ovigerous American lobsters	Andrew Tweel - Identifying optimal foraging habitat characteristics to inform piping plover habitat management in South Carolina	Cierra Braga - The impacts of Ultraviolet C radiation on brine shrimp life stages	Emily Anderson - Monitoring brackish submerged aquatic vegetation in a Chesapeake Bay tributary	Dakota Lewis - Positive interspecific interactions on warm water coral reefs: A review
11:15 AM	Aubrey Jane - Little lobsters must be raised right! How ontogeny and rearing condition influence gene expression in American lobster and why it matters	Stacy Trackenberg - Characterizing how location and degradation impact benthic macroinvertebrate and nekton communities of Texas tidal streams	Chloe Gabriel - Behavioral and survival impacts of salinity on white shrimp <i>Penaeus setiferus</i>	Geoff Cook - On the tenuous use of higher trophic level species to quantify restoration success	Simon Brandl - External and internal determinants of the role of small consumer species for coral reef energy and nutrient fluxes
11:30 AM	Daniel Sasson - Horseshoe crab embryos develop equally well in salt marsh and sandy beach habitats	Felipe Urrutia - Habitat suitability index for focused flows: High salinities threaten Texas estuaries	Gary H. Dickinson - An evolutionarily conserved mineralization template in balanomorph barnacles	Trevyn Toone - Incorporating secondary foundation species in coastal restoration	Casey Butler - Spiny lobsters provide a lens for looking at shifts in coral reef food webs
11:45 AM	Brent Thoma - Seasonal dynamics of Atlantic mole crabs, <i>Emerita talpoida</i> , at Navarre Beach, Florida		Isabella Changsut - Characterizing immunity through larval development in the temperate coral, <i>Astrangia poculata</i>	Dayanitha Damodaran - Eco-engineering and shellfish, friends or foes?	Rachael Best - Linking intraspecific variation in polyp morphology to trophic ecology in two Caribbean octocorals

# Thursday April 11

	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
Session 3	Restoration - Oyster 1	Coral Reef - Health / Disease - 1	Community Ecology - 1	Kelp Ecology - 1	Fisheries - 1
2:00 PM	James Douglass - Successful oyster restoration requires ameliorating anthropogenic stressors as well as providing substrate: lessons from Naples, Florida	Maya Powell - Benthic cyanobacterial mats harbor pathogenic bacteria: implications for coral black band disease	Enie Hensel (she/her) - Hurricane frequency and biodiversity govern coastal fish community resilience	Jarrett Byrnes - Successful mapping of sugar kelp ( <i>Saccharina latissima</i> ) using hyperspectral imagery on optically complex subtidal reefs in the Gulf of Maine	Andrew Kough - Too sparse for snail sex: Scaling patchiness between and within queen conch populations
2:15 PM	Gabrielle Davis - Oyster reef community development	Sarah Leinbach - A severe disease outbreak reshapes the stony coral assemblage in a highly urbanized reef system	Leah Harper - MarineGEO's collaborative approach to generating standardized ecosystem indicators in the tropical west Atlantic	Yasmina Shah Esmaeili - eDNA and visual census reveal changes to kelp forest biodiversity across a rapidly warming Gulf of Maine	Gabriel Delgado - Awhirlwind decline and a snail's pace recovery: The aftereffects of Hurricanes Irma and Ian on queen conch ( <i>Aliger gigas</i> ) in the Florida Keys
02:30 PM	Trevor Kirkland - Linking oyster abundance and ecosystem metrics with benthic invertebrate community assessment in the Suwannee Sound.	Lauren Fuess - A time series based approach to characterize coral holobiont adaptation following SCTL outbreaks	Jeffrey Levinton - Geographic overlap of diverse marine coastal faunas is poorly coupled to phylogenetic history	Joshua Smith - Consequences of kelp forest ecosystem shifts and predictors of persistence through multiple stressors	Jonathan Grabowski - Examining the impacts of range expanding species on juvenile lobsters and the lobster fishery
2:45 PM	Terry Palmer - Evaluating oyster reef living shorelines in the Mission-Aransas and Guadalupe Estuaries, Texas	Brian Walker - Land-based nutrients and suspended solids may ameliorate coral bleaching but promote coral disease	Laura-Li Jeannot - Seabird nutrient enrichment effects on cryptobenthic fishes in the Indian Ocean	Matt Tyler - Predicting kelp and red turf algae habitat from bathymetry and Landsat imagery using a Random Forest model	Robert Jarrett - Habitat-specific monitoring documents dramatic changes in habitat use and ecology of a data-rich fisheries species, American lobster
3:00 PM	Grace Loonam - Biodiversity and habitat complexity as indicators of community assembly following oyster reef restoration	Arelys Chaparro - A new threat? Investigating unusual lesions on the Florida Keys' largest corals	Carly Hannah - Evaluating the ecological role of solution holes in changing Florida Keys hardbottom habitats	Mary Cortese - Stable presence but altered abundance: understanding abundance patterns under global change	Natalie Asselin - Indicator-based stock assessment for American lobster ( <i>Homarus americanus</i> ) in the southern Gulf of St. Lawrence, Canada
Session 4	Restoration - Oyster 2	Coral Reef - Health / Disease - 2	Community Ecology - 2	Kelp Ecology - 2	Fisheries - 2
3:45 PM	Megan Geesin - Evaluating the influence of oyster breakwaters on local ecosystems and geomorphology	Ashley D. Weeks - Tiny Titans: Identifying probiotic treatments to boost survival and growth in juvenile recruits of the knobby brain coral <i>Pseudodiploria clivosa</i>	Matt Pierce - Scaling the effects of wrack disturbance across a salt marsh landscape	Douglas Rasher - Climate change, indirect effects, and the demise of long-lived reefs in Alaska	Aaron Whitman - Utilization of a paired eDNA and acoustic survey for assessing assemblages in the Gulf of Maine
4:00 PM	Benjamin Belgrad - Induced defenses: How changes in oyster shell microstructure shape ecological interactions and the success of reef restoration efforts	Sukanya Dayal - Investigating the effects of antibiotic pollution on Symbiodiniaceae health	Keith Walters - Spatial limits to the ribbed mussel – cordgrass facultative mutualism?	Ethan Kadiyala - Sand dynamics drive kelp forest community structure and biodiversity	Michael Kendrick - Long-term phenological patterns of ovarian development in white shrimp in the southeastern U.S.
4:15 PM	Max Castorani - Oyster restoration recovers coastal ecosystem structure and function: evidence from meta-analysis and long-term study	Yesmarie De La Flor - Optimization of peptide-conjugated phosphorodiamidate morpholino oligomers (PPMOs) for manipulation of marine microbiomes	Alexis Longmire - Does landscape composition impact the functionality of intertidal horseshoe crab ( <i>Limulus polyphemus</i> ) nurseries?	Amanda Lohmann - Spatial synchrony in giant kelp drives spatial synchrony in understory algae with a ~2-year cycle	Dimitrios Kyridis - Exploring spatial variations in carbon and nitrogen stable isotopes of reef-associated fishes in the southeastern USA
4:30 PM	Bennett Paradis - Oyster restoration in North Carolina: Long-term efforts to construct & monitor artificial oyster reefs	Alexi Pearson-Lund - Evaluating the impact of treatment with Amoxicillin on the microbiome of <i>Orbicella faveolata</i> affected by Caribbean Yellow-Band Disease (CYBD)	Zachary Coyne - Stingray bioturbation effects on the benthos of an intertidal flat	Dara Yiu - Kelp forests influence fish resource use, but not fish productivity, on subtidal reefs in the Gulf of Maine	Alexandra Schneider - Consequences of blue crab ( <i>Callinectes sapidus</i> ) size and fecundity for reproductive potential in Chesapeake Bay
4:45 PM	Samuel Shores - Putting the "living" in living shorelines: Ecosystem benefits of constructed oyster sill in southeast North Carolina	Kathryn Toth - Comparison of antibiotic and probiotic treatments with untreated controls on <i>Montastraea cavernosa</i> and observation of the 2023 coral bleaching event in the Florida Keys	Brandon Rose - Flukes n' feces: Fine-scale gut microbiome composition across cetacean species		Graham Wagner - Decadal-scale trends in size distributions of white shrimp <i>Penaeus setiferus</i> across multiple life stages and habitats along the southeastern US Atlantic coast

# Friday April 12

	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
Session 5	Coral Reef Ecology - 3	Coral Reef Restoration - 1	Biodiversity - molecular tools - 1	Aquaculture - 1	Chemical Ecology
09:00 AM	Alyson Lowell - Assessing the role of seagrass photorespiration in the physiological plasticity of reef building coral	Casey I. Harris - Can offshore nurseries advance land-based coral production by providing a critical intermediate grow-out phase?	Iris Segura-García - Insights into spotted seatrout genetic structure along the Florida Atlantic Coast	Jessica Hilliker - Tolerate it: The effects of oyster ploidy on mud worm infestation	Sarah Roney - Older and wiser: The alteration of micromechanical properties in shells of predator-induced Eastern oysters depends on age
09:15 AM	Brady Estrada - A systems approach to Caribbean octocoral symbiosis networks	Rachel Ionata - Determining if feeding corals in situ during a thermal bleaching event in the U.S. Virgin Islands affects their ability to regain pigmentation.	April Blakeslee - Phenotypic and genetic characterization of two prominent ecotypes in Northwest Atlantic populations of the rough periwinkle snail ( <i>Littorina saxatilis</i> )	Kassi Price - Is bioerosion an inducible defense? Understanding the effects of predator presence on boring sponges	Shane Farrell - Turf algae limit kelp recruitment using chemical warfare, with implications for forest recovery
09:30 AM	Lorelei Ing - Profiling resilient algal symbiont communities of 'urban corals' in Southeast Florida	Lindsay J Spiers - What can multi-year outplant monitoring tell us about bleaching along Florida's Coral Reef?	Katrina Lohan - Phylogeography of <i>Labyrinthula</i> species and strains shows high connectivity and low genetic diversity across North America	Randi Cannon - Look what you made me poo: Oyster feeding behavior across seasonal and site variability	Melanie Medina - It's the way your mucus smells: conspecific recognition in a simultaneous hermaphroditic sea slug
09:45 AM	Erin Borbee - Insight on regulation of the coral-algal symbiosis using a multi-omics approach	Reanna Jeanes - Impacts of summer 2023 bleaching event on coral outplants in the Florida Keys	Paige Duffin - Genomic patterns of population structure in ochre sea stars challenge previous reports of range-wide panmixia	Kyle Mundy - Can farming sea lettuce ( <i>Ulva</i> spp.) benefit oyster aquaculture?	Lee Smee - Predator urine cues induce shell strengthening in Eastern oysters <i>Crassostrea virginica</i>
10:00 AM	Valentina Bautista - Assessing functional trait dynamics of Caribbean <i>Scleractinia</i> communities in Puerto Rico's Northeast Marine Corridor	Ian Johnson - The effect of water flow rates on the survival and growth rates of three Caribbean bouldering coral species juveniles in an indoor versus outdoor environment	Michael Judge - Population connectivity patterns in a long-lived supralittoral periwinkle: Comparison of nuclear and mitochondrial genetic markers	Tyler O'Keefe - Causes and consequences of large seabird aggregations on floating mariculture operations	Marc Weissburg - Fright club: Multiple generalist top predators produce fear effects in both oysters and their consumers
Session 6	Coral Reef Ecology - 4	Coral Reef Restoration - 2	Biodiversity - molecular tools - 2	Aquaculture - 2	Oyster Reef Ecology - 1
10:45 AM	Alexandra Good - Reef resilience revealed: Unveiling the impact of warming and suspending terrigenous sediment on Hawaiian reef coral, <i>Montipora capitata</i>	Krista Laforest - Induced sexual reproduction reveals bidirectional sex change of gonochoric coral <i>Montastraea cavernosa</i>	Schylar Ellsworth - Global met-analysis of the community structure of turf algae and benthic cyanobacterial mats	Ben Gutzler - Biologging through the supply chain: datalogger measurements of lobster heart rate to understand the effects of on-vessel holding conditions	Jessie Rivera - Effects of fluctuating pH on shell growth and survival of juvenile Eastern oysters ( <i>Crassostrea virginica</i> )
11:00 AM	Tokea Payton - Marine litter critters: A comparison of macro and cryptofauna communities on anthropogenic marine debris	Rob Ruzicka - Quantifying coral population losses across the Florida Reef Tract due to stony coral tissue loss disease to help guide restoration planning	Kyle Donnelly - Oh-me-oh-meiofauna! Characterizing western Antarctic meiofauna community composition through 18s metabarcoding	Natalia Schoenberg - Growth and survival of planted soft-shell clams ( <i>Mya arenaria</i> ) across a shallow depth gradient in the York River, VA	Shelby Ziegler - Evaluating oyster reefs as habitat: Comparing the utility of ecological metrics to assess ecosystem function
11:15 AM	Zoe Ruben - Influence of submarine groundwater discharge on the nutrient dynamics of a fringing-reef lagoon	Sharla Sugierski - Large-scale drivers of outplanted boulder coral growth on Florida's coral reef	Brenna Hutchings - Microbial distortion: Delayed preservation decreases microbial diversity and alters microbiome composition in a marine invertebrate	Hannah Brunelle - Exploring infections in soft shell clams ( <i>Mya arenaria</i> ) across life stages and environmental conditions in the Chesapeake Bay	Allison Tracy - Co-infection is linked to infection prevalence and intensity in oysters amidst high environmental and spatial variation
11:30 AM	Sophia Zummo - Submarine groundwater discharge nutrient delivery effects on coastal primary productivity on coral reefs in Maunalua Bay, Hawai'i	Catherine Lachnit - The <i>Diadema</i> dilemma: Rearing and restoring urchins while optimizing retention without bioerosion	Evan Dunn - Temporal characterization of intertidal macroalgal microbiomes at 'Ewa Beach, O'ahu, Hawai'i		Jessica Lunt - These trying times: Stochastic events highlight top-down control on oyster reefs
11:45 AM	Cole Tillman - Epibenthic species composition and diversity on the Southwest Florida continental shelf are affected by substrate type, depth, and proximity to the Caloosahatchee River discharge plume	Julia Skowronski - Spatiotemporal patterns in <i>Diadema</i> antillarum settlement in the Florida Keys: implications for habitat restoration	Jonathan Kubelka - Fine-scale population structure and genetic relatedness of the whelk <i>Buccinum undatum</i> in southern Newfoundland		Kristina Colacicco - Deciphering environmental impacts on microbiome diversity across broad spatial scales in the eastern oyster, <i>Crassostrea virginica</i>

# Friday April 12

	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
Session 7	Recruitment / Larval Ecology - 3	Coral Reef Restoration - 3	Trophic relationships	Biological Invasions - 2	Oyster Reef Ecology - 2
2:00 PM	Adam Alfasso - Seasonal patterns of larval distribution and source-sink dynamics for <i>Crassostrea virginica</i> in Apalachicola Bay, Florida.	Shane Weaver - Translocation of multiple stony coral species from an artificial tire reef yields high survival	Kelsey Vaughn - Effects of predation risk by the giant moray eel ( <i>Gymnothorax javanicus</i> ) on prey foraging behavior	Katherine Stevenson - Biotic resistance across latitude: Effects of predation and competition on species invasion	Alexandria Marquardt - Oyster allometry: growth relationships vary across space
2:15 PM	Martin Thiel - Ocean Travelers – marine litter as dispersal vehicle for coastal organisms from around the world	William Sharp - Is stony coral tissue loss disease a restoration roadblock? Geographical incidence of the disease in three coral species outplanted along Florida's Coral Reef	Kaitlin Van Volkom - Evaluating the impact of the widely distributed slipper limpet, <i>Crepidula fornicata</i> , on regionally important crustacean predators in coastal New England waters	Anthony Luca Tamberelli - Potential abatement of bay nettle ( <i>Chrysaora chesapeakei</i> ) blooms through polyp removal within lagoon communities in Barnegat Bay, NJ	Wil Atencio - The influence of environmental conditions on oyster demographics and parasite prevalence and intensity on Sapelo Island, Georgia
02:30 PM	Jeb Byers - Oceanographic controls on dispersal and invasibility of the world's coasts	John Alfievich - Site selection matters: Understanding the role of site characteristics on processes that limit coral microfragment restoration potential	Melissa Hughes - Sex and death: antipredator behavior, sexual selection, weaponry, and aggression in snapping shrimp	Macy Littell - Crabitat: How factors of habitat complexity alter invasive species dominance between the European green crab and Asian shore crab	Emma Colman - Investigating the influence of phytoplankton size distribution on the success of Eastern oyster ( <i>Crassostrea virginica</i> ) larvae in the Mississippi Sound: a modeling study
2:45 PM	James Pringle - How patterns in coastal currents make some places easier for introduced species to persist	Bautista Tobias - Maximizing coral tissue production: The role of fragment size and grow-out environment on predation	Joshua Lord - Unprecedented mobbing behavior in a marine invertebrate	Angela Chemidlin - Assessing the invasive clinging jellyfish: Where are all the polyps?	Melissa DeBasse - Bioerosion as an inducible defense to predation pressure in an oyster-infesting sponge
3:00 PM	Will Lush - Drifting along: Circulation-driven larval dispersal patterns set the location of many coastal biogeographic boundaries	Marina Garmendia - First major stony coral microfragmentation study in the Mexican Caribbean	Rachel Prostko - The effects of a blue crab ( <i>Callinectes sapidus</i> ) predator on the activity, foraging, and social interactions of snapping shrimp ( <i>Alpheus angulosus</i> )	Rebecca Clyburn - Spatial and temporal analysis of blue catfish, <i>Ictalurus furcatus</i> , gut contents in a southeastern estuary	Christa Russell - A marvelous time ruining everything: Regional variation in salinity tolerance of <i>Stramonita</i> oyster predators
Session 8	Ecophysiology - 2	Coral Reef Restoration - 4	Climate Impacts	Anthropogenic Impacts - 1	Life History Strategies
3:45 PM	Danielle Hatt - Riding the thermal wave: Investigating short-term temperature effects on growth and photo-physiological responses of pelagic sargasso morphotypes	Leah Cifers - A novel approach to restoring coral reefs in the Florida Keys: Coral sources, herbivorous crabs, and a heatwave	David Gillett - Changing macrobenthic communities in the face of changing oceanographic and climate conditions	Joel Fodrie - Effects of press versus pulse disturbances on coastal fishes over large spatiotemporal scales	Allison Rugla - Local adaptation of life history strategies in a widely distributed predatory gastropod
4:00 PM	Esteban Agudo - Thermal mismatch between predators and prey on rocky reefs of the Galapagos	Gabrielle Pantoni - Coral restoration in the northern portion of Florida's Coral Reef demonstrates strong survivorship and low susceptibility to stony coral tissue loss disease	Paul Montagna - Long-term change in benthos along the Texas coast	Diamela De Veer - Floating marine litter with epibionts: Citizen scientists confirm arrival hotspots predicted by oceanographic models	Christopher Dwane - Contrasting thermal life-history strategies across latitude in the predatory marine snail <i>Urosalpinx cinerea</i>
4:15 PM	Zachary Darnell - Behavioral management of thermal stress and mitigation of behavioral trade-offs in fiddler crabs	Erin Weisman - Outplanting corals among corallivorous neighbors: Using a coral-baited remote underwater video system (C-BRUV) & stress hardening methods to enhance massive coral restoration	Christian Richter - Climate change impacts on the black sea spider, <i>Anoplodactylus lentus</i>	Julia Frees - Are microplastic fibers a vector for synthetic estrogen transport into eastern oysters ( <i>Crassostrea virginica</i> )?	Jason Macrander - Population level insights into life history tradeoffs of venom and reproduction in the benthic sea anemone <i>Nematostella vectensis</i> .
4:30 PM	Sofia Diaz de Villegas - Characterizing the mechanisms linking sequential heat stress and disease susceptibility in cnidarians	Joe Unsworth - Towards improving ex situ husbandry of the branching coral <i>Acropora palmata</i>	John Bruno - Predator response diversity to warming enables ecosystem resilience in the Galápagos	John Brooks - Investigating potential impacts of dredging in Beaufort Inlet, North Carolina on commercially and recreationally significant finfish and shellfish	Will Ryan - Clonality as a factor in local adaptation? Fission fuels rapid disturbance recovery and increased fecundity in a partially clonal sea anemone
4:45 PM	C. Melman Neill - Spatial partitioning and metabolic traits: Characterizing pace-of-life syndromes in Gulf of Mexico blennies	Meg Van Horn - Optimizing light spectrums in land-based nurseries to upscale production of coral recruits		Tory Chase - Spatial comparison of coral reef sediments: contaminants and coastal land-use perspectives	Don Levitan - The establishment of reproductive isolation among sea urchin species



# Saturday April 13

	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
Session 9	Coral - Climate Change - 1	Fisheries - 3	Coral Reef Biodiversity - 1	Deep Sea Ecology	Community Ecology - 3
09:00 AM	Karen Neely - Too hot to handle? The impact of the 2023 hyperthermal event on Florida Keys corals	Neida Villanueva Galarza - Mapping cod distributions in the Gulf of Maine using fishermen's ecological knowledge	Alyssa Baker - Historical biogeography of spiny lobsters in the genus <i>Panulirus</i> (Achelata; Palinuridae) with insights into the phylogeny of the Achelata	Elisa Baldrighi - Deep-sea nematode community response to Deepwater Horizon oil spill pollution	Dominika Polchowska - Value of macroalgae as habitat in a eutrophic coastal bay
09:15 AM	David Ogando Jr. - Influence of marine heatwaves on <i>Diadema antillarum</i> settlement in the Florida Keys	Wendi White - Fishermen's adaptations to sustain an industry with increasingly restrictive rules and regulations	Eban Charles - Super species or many cryptic lineages? A phylogenomic analysis of the parrotfish <i>Scarus ghobban</i> from the Red Sea to the Tropical Eastern Pacific	Surabhi Gupta - Computational ecology for seafloor habitat mapping: Insights from backscatter and bathymetric data analysis	Zachary Long - The relative importance of niche versus neutral processes in determining the composition of macroalgal communities
09:30 AM	Keisha Bahr - Coral morphology drives differential calcification responses to altered ocean chemistry	Nihal Guennouni - Exploring the role of cannibalism in blue crabs, <i>Callinectes sapidus</i> , in the transmission of <i>Hematodinium perezii</i> .	Joshua Voss - Conservation and connectivity across mesophotic coral reef ecosystems in the Gulf of Mexico and Western Caribbean	Justus Fast - Spatiotemporal impact of the Deepwater Horizon oil spill on benthic meiofauna communities	Isabel Silva-Romero - Contributions of herbivores, temperature, and nutrients to benthic primary production
09:45 AM	Nicolas Rivas - Will weedy coral species take over (save) Caribbean reefs? Population dynamics of <i>Porites astreoides</i> under different environmental scenarios	Donald Behringer - The effect of winter dormancy on infection dynamics between the virus CsRV1 and the Atlantic blue crab <i>Callinectes sapidus</i>	Ingrid Bunholi - Fine-scale genetic structure and diversification patterns of a sponge-dwelling goby	Stephan Hamisch - Impacts of cerianthid fields on deep-sea benthic biodiversity and ecosystem functioning in a subarctic fjord	Colette Feehan - Climate-driven ecosystem damage by tropical cyclones
10:00 AM	Cailin Harrell - Status of wild, fate-tracked <i>Acropora palmata</i> populations in the Florida Keys following the 2023 extreme bleaching event	Savannah Ryburn - Elucidating juvenile blacktip shark diets with DNA metabarcoding of fecal matter in the Galapagos	Jordan Casey - Cryptic diversification, phenotypic plasticity, and host specialization in a sponge-dwelling goby	Joe Pawlik - Do you need to orthorectify single-shot photographs before point-intercept estimates of benthic cover? No!	Robert Dunn - Tidal creek nekton communities across three southeast NERR sites
Session 10	Coral Reef Ecology - 5	Restoration - 3	Coral Reef Biodiversity - 2	Seagrass Ecology - 1	
10:45 AM	Alexandra Sinno - Assessing coral damage from super typhoon Mawar on Guam's reefs	Maria Rosa - Utility of reef balls as part of a "living shoreline" type nature-based restoration alternative in a heavily impacted temperate estuary	Megan Sporre - Extreme mitochondrial discordance drives delimitation in a cryptobenthic reef fish species complex	Everett Horch - Three decades of replicated field studies reveal eelgrass inhibits soft-shell clam growth in eastern Maine	
11:00 AM	Heather Page - Monitoring Caribbean coral reefs through Sea Education Association's undergraduate study abroad programs	Hannah Wesley - Evaluating the effects of infauna on sediment functioning in restored saltmarsh systems	Christopher Hemingson - Dissecting the evolutionary and ecological drivers of coloration in a Caribbean coral reef fish assemblage	Nicholas Yoong - Gulf of Maine eelgrass decline and shift in community dynamics coincides with marine heatwave	
11:15 AM	Max Buglisi - Unveiling reef dynamics: Satellite-based geospatial analysis in Western Barbados for assessing anthropogenic impact on coral reefs	Avi Strange - Investigating the feasibility of soil algae as an amendment for enhanced soil health	Mariana Rivera-Higueras - Documenting the cryptobenthic reef fish community on coral reefs in Veracruz (southwestern Gulf of Mexico)	Richard Bartleson - Phosphorus loading, heat, macroalgae and feedback loops result in seagrass ecosystem collapse in southwest Florida	
11:30 AM	Christopher Wells - The rippling effect of the loss of an urchin: Insights from a 39-year study of octocoral forests off Puerto Rico	Jennifer Pollack - Characterization and restoration of wind tidal flats in the Laguna Madre, Texas	Juan Pablo Lozano-Peña - Ecomorphological convergence masks planktivorous coral reef fishes	Alyson Hall - The role of meadow characteristics on blue carbon storage in temperate estuarine seagrass meadows: A Chesapeake Bay case study	
11:45 AM	Julia Baumann - Utilizing R and spatial data packages to confirm species distributions for coral reef species in Fiji	Anna Armitage - Evaluating the long-term potential trophic value of tidal wetland restoration sites for coastal birds	Kyra Jean Cipolla - Examining the spatial variation in habitat shape and cryptobenthic fish assemblages along a Caribbean coral reef	Jezebel Powers - Grazing area does not modify blue carbon dynamics in a tropical seagrass meadow	

# Saturday April 13

	Crystal AB	Crystal C	Crystal D	Crystal EF	Topaz
<b>Session 11</b>	<b>Coral Reef Ecology - 6</b>	<b>Coral Reef - Health / Disease -3</b>	<b>Biodiversity-Molecular tools - 3</b>	<b>Seagrass Ecology - 2</b>	
2:00 PM	Mark Butler - If management of the fishery for Caribbean spiny lobster were based on ecology	Janet Saunders - Revealing the untapped value of using anamneses to elucidate proteomic mechanisms relating to the pathogenesis of stony coral tissue loss disease	Antonio Baeza - Perfect and quasi-perfect assembly of mitochondrial genomes using the latest nanopore long-read technology in three sea chubs from California, USA	Meghan Nadzam - Parasite component community structure within an epiphyte-grazing host indirectly influences productivity of a seagrass ecosystem	
2:15 PM	Joana Figueiredo - Predicting demography from species traits: larval development time and its sensitivity to warming depend on egg size in corals	Erin Papke - Changes in the cellular pathology of coral tissue through time in response to stony coral tissue loss disease	Lucas Jennings - The first mitochondrial genomes of the Carcinonemertes (Nemertea: Carcinonemertidae), specialist crustacean egg predators	Erin Parker - Investigating potential impacts of commercial stone crab traps on seagrass beds in South Eleuthera, The Bahamas	
02:30 PM	Katherine Newcomer Lawson - Examining reef resilience by identifying invertebrate drivers of open-space recruitment and succession in Fijian coral communities	Erin Shilling - Gene expression of corals throughout the stony coral tissue loss disease outbreak in the Dry Tortugas National Park, Florida	Josephine Shostak - From swamp to stream: Freshwater sponge diversity in South Carolina ecosystems	Madeline Payne - Economic valuation of fisheries production enhancement from seagrass in a temperate estuary	
2:45 PM	Jason Albrecht - No detected signal of the 2022 Diadema antillarum mass mortality event in settlement data from the Florida Keys	Michael Studivan - Genomic signatures of stony coral tissue loss disease (SCTLD) resistance in the endangered coral <i>Orbicella faveolata</i>	Lauren Stefaniak - The Perophoridae (Chordata, Ascidiacea) of Belize: identification by molecular and morphological taxonomy combined	Christopher Patrick - The rise of <i>Ruppia maritima</i> : Causes and consequences of shifting seagrass species identity in Chesapeake Bay	
3:00 PM	Victor Rodriguez-Ruano - The premature burial: Sedimentation diminishes survivorship of Caribbean corals at early life stages	C. Anna Toline - The use of a sea urchin embryos as a bioindicator to assess sediment porewater toxicity to inform coral management at multiple US National Park units	Emily Salonia - Applying integrative systematics to Zoanthidea specimens of the Okeanos Explorer RV expeditions	Dennis Hanisak - Coastal acidification: An emerging issue in the Indian River Lagoon	
<b>Session 12</b>	<b>Coral Reef Ecology - 7</b>	<b>Coral - Climate Change - 2</b>	<b>Population Ecology</b>	<b>Anthropogenic Impacts - 2</b>	
3:45 PM	Janie Wulff - Sponge apocalypse moderated by data	David Armstrong - A microsensor analysis on two Hawaiian coral species, <i>Montipora capitata</i> and <i>Pocillopora acuta</i> under ocean acidification	Christina Marconi - Estimating the relative abundance of queen conch using eDNA	Curtis Morris - Nature-based coastal protection: Assessing the ecological impacts of cobble berms in New England	
4:00 PM	Nicholas Jones - How are coral reef communities in the Coral ECA restructuring following multiple disturbances?	Bryanna Herrera - Branching out! How coral shape matters in a changing ocean	Garrett Maggio - Investigating the population genetic structure of an obligate parasite as a proxy for diamondback terrapin dispersal	Emily Savoie - Louisiana deltaic estuaries MBON: Sea level rise sentinels	
4:15 PM	Alexander Primo - Couch potatoes and housekeepers: Sex differences in a crab-coral cleaning mutualism	Jack Johnson - Catastrophic bleaching and unprecedented mortality of reef-building corals on an isolated and remote Caribbean reef during the 2023 marine heatwave	Charles Brooks - Examining population genetics and disease incidence in local grass shrimp species	Emma Villemarette - Ghost fishing due to derelict crab traps in Louisiana's Barataria Basin	
4:30 PM	Howard R. Lasker - Caribbean octocoral forests: Is there a definition?	Courtney Saldana - Effects of predicted future ocean acidification on the scleractinian coral lipidome	Michael Robinson - Male damselfish are choosy about parasitized female mates	Merritt McCall Walker - Characterization of derelict crab traps in coastal Louisiana	
4:45 PM	Zoe Delecambre - Coral reef fish communities are not size-structured: implications on the prevalence of inverted trophic pyramids	Brianna Perino - Microbial communities and tradeoffs of disease susceptible and resistant <i>Acropora cervicornis</i> under climate change scenarios		Michele Guidone - Variation in fiddler crab boldness due to abiotic, biotic, and anthropogenic factors	

# Thursday April 11 5:30-7:30 - Poster Session 1

#	Full Name	Title	#	Full Name	Title
1	Mercer Brugler	Complete mitochondrial genomes of the black corals <i>Alternipathes mirabilis</i> Opreko & Molodtsova, 2021 and <i>Parantipathes larix</i> (Esper, 1788) (Cnidaria, Anthozoa, Hexacorallia, Antipatharia, Schizopathidae)	43	Liam Abrams	Influence of artificial and natural light spectra on the grow-out of Caribbean coral recruits.
2	Elynn Darke	Analyzing Genotypic Variation in Differentially Expressed "Dark Genes" of <i>Galaxea fascicularis</i> Under Thermal Stress	44	Sydney Bayne	Body size plasticity under inter- and intra-specific competition in four co-occurring species of Atlantic Coast sea anemone.
3	Dajia Green	Development of an eDNA protocol for imperiled primary burrowing crayfishes using the petitioned <i>Procambarus barbigers</i> (Jackson Prairie Crayfish) as a case study	45	Josh Bliss	Understanding the demographic consequences of reproductive mode variation in co-occurring sea anemones in the lab and field
4	Jeremiah Jarrett	Genetic variation within and between populations of the invasive skeleton shrimp, <i>Caprella mutica</i> , from Maine to Long Island Sound	46	Grace Bucci	Exploring Effects of Reef Balls(TM) on Water Flow Patterns and Subsequent Sediment Deposition
5	Guo Jinchun (Martin)	Metabarcoding analysis revealed contrasting predation effects on marine benthic invertebrate communities in Panama and Santa Barbara, California	47	Ashley Carreiro	Coral community structure following stony coral tissue loss disease (SCTLD) in Southeast Florida
6	Helen Kiser	Comparative analysis of the mitochondrial genomes of Smoothhound sharks provide insight into the phylogenetic relationships within the family Triakidae	48	Ryan Eckert	Cryptic diversity of <i>Stephanocoenia intersepta</i> corals throughout Southeast Florida and the Florida Keys
7	Sofia Kuklina	ShK sequence diversity and gene expression profiles across clownfish hosting sea anemones associating with clownfish.	49	Nicholas Evans	Facilitating coral reef restoration by enhancing the density of a native herbivorous crab
8	Indiana Olson	A Genetic Approach to Bioerosion: Developing a Novel Primer for Boring Sponges	50	Casey Gallagher	Capturing Caribbean Colors: Using Visible Coral Coloration to Monitor Gulf of Mexico and Caribbean Reef Health
9	Wyatt Rudd	Gene expression analysis following the establishment of clownfish association with an atypical host ( <i>Stichodactyla helianthus</i> )	51	Autumn Hampton	Ocean acidification impacts on the photosynthetic capabilities of the symbiotic algae within two Hawaiian coral species, <i>Montipora capitata</i> and <i>Pocillopora acuta</i>
10	Katie Skufca	Comparative analysis of the mitochondrial genomes of Smoothhound sharks	52	Morgan Hightshoe	Lessons learned from long term coral restoration efforts in southeast Florida
11	Reneisha Sweet	Comparative mitochondrial genomics analysis of Western Atlantic <i>achelate</i> lobsters (Decapoda: Achelata)	53	Bay Holmes	Examining the accuracy of ROV-based biodiversity surveys in remote, shallow coral reef habitats
12	Luke Talham	Transcriptome Analysis of the Eastern Oyster ( <i>Crassostrea virginica</i> ) When Exposed to Extreme Salinities	54	Hayden Acors	The Effects of Faunal Body Size Declines on Seagrass Ecosystem Structure and Function
13	Coral Tolman	How do metabolism genes expression levels change following clownfish association in sea anemones?	55	Jolie Alberty	Sediment grain size distributions across Charlotte Harbor Estuary and their potential impacts on hard clam ( <i>Mercenaria</i> spp.) abundance
14	Julian Venable	Determining the diet of an estuarine ghost shrimp, <i>Lepidophthalmus louisianensis</i> , (Crustacea: Decapoda) using fecal and environmental DNA metabarcoding.	56	Devan Barnum	Biotic and abiotic drivers of juvenile <i>Penaeus</i> shrimp growth and mortality in a salt marsh
15	Tara Cronin	Behavioral impacts of temperature on crayfish-branchiobdellid symbiotic relationships	57	Emma Chesley	Beneath the surface: Charting the hidden world of benthic infaunal functionality in the Indian River Lagoon, Florida
16	Hanna Demmler	The sublethal effects of disease-causing parasites on oyster filtration	58	Jordan Cutts	The effect of substrate type on oyster reef restoration outcomes
17	Chelsea George	Invertebrate abundance in Chondria tumulosa mats: a new cryptogenic macroalgal invader in the Papahānaumokuākea Marine National Monument, Hawai'i	59	Emily Goetz	Patterns of faunal biodiversity across restored seagrass meadows in coastal Virginia
18	Sarah Goodnight	Impacts of rhizocephalan infection and host sex and body size on trematode infections in white fingered mud crabs	60	Martin Gonzalez	Size-at-age relationships of Atlantic surfclams ( <i>Spisula solidissima</i> ) collected from nearshore locations in Cape Cod, MA.
19	Olivia Griffin	Assessing variation in oyster survival, growth, and parasite community prevalence between aquaculture methods	61	Elizabeth Hamman	Habitat size and location affect colonization of oyster shell by fish and invertebrates
20	Julia Hansen	Juvenile Blue Crab ( <i>Callinectes sapidus</i> ) habitat selection based on the presence of epibiota	62	Zahra Hasan	Characterizing Cyanobacterial Mats on Wind-Tidal Flats at Padre Island National Seashore
21	Hannah Korper	Spatiotemporal patterns of a Parasitic Dinoflagellate, <i>Hematodinium perezii</i> , in the blue crab, <i>Callinectes sapidus</i> , and the Water Column of the Charleston Harbor Estuary, SC, USA.	63	Nick Hendrix	The North Carolina Artificial Reef Program: Providing Public Fishing and Diving Opportunities While Serving Valuable Ecological and Biological Roles
22	Jamie Long	Seasonal Variation of Symbiont Density and Chlorophyll <i>a</i> of the Temperate, Facultatively Symbiotic Coral <i>Oculina arbuscula</i> on the North Carolina Coast	64	Caroline Holtz	: Changes in mobile macrobenthos and demersal nekton of the southwest Florida shelf in the wake of Hurricane Ian: a video transect assessment
23	Susanna Lopez-Legendil	Ascidian diversity and abundance in North Carolina shellfish farms	65	Brandon Lewis	Diversity in asexual reproductive habits may facilitate the co-existence of three ecologically similar sea anemones on the Atlantic Coast of the US
24	Christopher Moore	Metazoan parasite diversity of crustaceans and fishes in the Indian River Lagoon, Florida: a meta-analysis across intertidal systems and taxa	66	Kambrial Love	Examining impacts of tidal flux on estuarine plankton communities in the northern Gulf of Mexico.
25	Gabrielle Nelson	Assessing infaunal biodiversity and predation pressure on juvenile hard clams ( <i>Mercenaria</i> spp.) in Charlotte Harbor Estuary, FL	67	Madelina Marquez	Exploring the Presence and Composition of Benthic Cyanobacterial Mats in Carteret County, NC
26	Robert Podolsky	Within and between-population variation in adult size, egg capsule production, and parasite infection in the Eastern mud snail <i>Ilyanassa obsoleta</i>	68	Rylee Allen	Using <i>Gonionemus vertens</i> polyps to teach asexual reproduction, population growth, and novel observations on life history
27	Emily Rose Porter	Effects of nemertean egg predator <i>Carcinonemertes conanobrieni</i> on active parental care of the Caribbean Spiny Lobster <i>Panulirus argus</i>	69	Abby Bednarski	Convergent evolution in the morphology of suspension-feeding gastropods
28	Mic Schulte	Population demographics and parasite prevalence of the non-native green porcelain crab ( <i>Petrolisthes armatus</i> ) at the northernmost limit of its range	70	Shaunace Bowen	The Decline in syngnathid populations in the Indian river lagoon
29	Carter Stancil	Transcriptomic analysis of white-fingered mud crabs uninfected and infected with a castrating parasitic barnacle	71	Paige Calkins	Effects of site variance on oyster settlement and associated fauna between two living shorelines in southeastern North Carolina
30	Noah Tjandra	Investigating the impacts of environmentally-induced dynamic changes in symbiont density on cnidarian immunity	72	Eliza Croom	To Eat or Not to Eat: Investigating the drilling habits of Moon Snails ( <i>Polinices duplicatus</i> )
31	Rebecca Hauser	Is relic DNA problematic when characterizing benthic diatom communities using metabarcoding?	73	Grace Curran	Comparing inter- and intra-specific competition among co-occurring anemone species on the Atlantic Coast
32	Madison Surette	The Effects of Ethanol Solution Changes on Downstream DNA Analyses Success	74	Sarah Davis	Evaluating the Antifouling Efficacy of Ultraviolet Light on the Barnacle <i>Amphibalanus amphitrite</i>
33	Katherine Watts	The Effects of Relaxation Agents on Molecular Techniques	75	Nick Davis	<i>Syngnathus louisianae</i> Distribution and Habitat Associations in the Indian River Lagoon
34	Tori Bacall	High plasticity of Gulf of Maine <i>Ascophyllum nodosum</i> may increase its resilience to warming ocean temperatures	76	Dicarlo Davis	What role does eye color play in marine fishes?
35	Sabrina Castellanos	The Seagrass Isn't Always Greener at the Other Site: Variability in Seagrass Benthic Communities Across the Indian River Lagoon	77	Nicholas DiVittorio	Effect of Predators on Grass Shrimp Dominance Hierarchies
36	Devan Hildebrand	Quantifying carbon sequestration in seagrass habitats in the northern Gulf of Mexico	78	Elianna Fox	Spatial variation in resource utilization of the Atlantic mud crab ( <i>Panopeus herbstii</i> ) across the South Atlantic Bight
37	James Mullahoo	Enrichment of specific methanogens drive emissions in a Southern CA eelgrass meadow	79	Nicholas Frankenberger	A two-year survey of stone crab ( <i>Menippe mercenaria</i> ) morphometrics in Estero Bay, FL: Implications of Hurricane Ian on local populations
38	Micaiah Ocalvey	Turf-algae sediment composition and contamination at Puerto Rico coral reefs	80	Aaren Freeman	Research informing oyster spawning sanctuaries in Long Island, New York, USA.
39	Caitlin Sughrue	Quantifying Blue Carbon Storage of the Two Dominant Temperate Seagrass Species in the Lower Chesapeake Bay	81	Jesi Gibbs	Do decapod crustaceans experience pain? Behavioral and neurobiological responses to a noxious heat stimulus in the snapping shrimp, <i>Alpheus angulosus</i>
40	Lauren Watkins	Evaluating seagrass propeller scars and implementing protective zones in Estero Bay, Florida	82	Emilie Gottbrecht	Impact of Habitat on Mobbing Behavior in Shrimp
41	Evan Worden	Ecosystems Examined: Contrasting Water Quality in Seagrass Beds and Sponge Hardbottom of the Florida Keys	83	Rory Kilewer	Hybrid indices for identification of <i>Asterias</i> sp. in the Gulf of Maine
42	Caitlin M. Young	Investigating the resilience capacity of seagrasses in the northern Gulf of Mexico			

# Friday April 12 5:30-7:30 - Poster Session 2

#	Full Name	Title	#	Full Name	Title
84	Tykeedrien Burris	On the Search for a Cell: Identification of a Fibrinogen-Expressing Cell Population in Holothurians	126	Lauren Tibbits	The effects of climate on early post-settlement growth in the barnacle <i>Semibalanus balanoides</i>
85	Christopher Carbon	Stories from Seaweed: Utilizing native macroalgae as bioindicators of bacterial abundance and stable nitrogen isotopes in Charleston Harbor, SC, USA	127	Henry Traynor	Variation in resource use of bonnethead sharks ( <i>Sphyma tiburo</i> ) and red drum ( <i>Sciaenops ocellatus</i> ) across an estuarine seascape
86	Abigail Davis	Ecophysiology of the red alga <i>Chondria tumulosa</i> : a new cryptogenic invader in the Papahānaumokuākea Marine National Monument, Hawai'i	128	Camille White	Identifying and characterizing scalloped hammerhead shark ( <i>Sphyma lewini</i> ) nursery grounds in the Galápagos
87	Allison Klein	Enhancing Rapid Reef Resilience Through Transplantation of Thermally Tolerant Corals in O'ahu, Hawai'i	129	Zachary Whitener	An exploration of potential ecotypes of Atlantic pollock from Casco Bay, Maine based on color, diet, and morphometrics
88	Hannah-Marie Lamle	Exploring the inter and intra-species pattern of spatial aggregation of coral recruits in Culebra, Puerto Rico	130	Allison Yan	Factors Influencing Pore Patterns in the Foraminifer Genus, <i>Ammonia</i> , in Long Island Sound
89	Andrea Landaverde	Acute thermal stress influence on immunity on stony corals in the middle Florida Keys	131	Grace Breitenbeck	Coastal Bottom-Use Conflicts: Hard Clam Aquaculture and Seagrass Restoration
90	Megan Laufer	Evaluating trends in hard-bottom benthic cover with depth on mesophotic reefs across the northern Gulf of Mexico	132	Micayla Cochran	Quantifying Discard Mortality of Undersized and Ovigerous Crabs in the Gulf of Mexico Blue Crab Fishery
91	Hannah Linde	Using fatty acid biomarkers to determine food source of three mesophotic octocorals	133	Caslie Jean-Francois	Assessing the Impact of Ocean Acidification on the Exoskeleton of Juvenile Snow Crab, <i>Chionoecetes opilio</i>
92	Michelle Mair	Evaluating <i>Acropora palmata</i> fragment reattachment in southeast Florida	134	Kathleen Knick	Effects of Green Engineering Techniques on Oyster Communities on Seawalls in the Chesapeake Bay
93	Milena Nestic	Florida Coral Restoration Team Trials: Do Algal Endosymbiont Communities in Coral Outplants Change over Time?	135	Jordan Parish	Investigating the timing of horseshoe crab spawning and foraging shorebirds on Turtle Island, SC
94	Camilla Nivison	A perfect storm: El Niño and sewage leak lead to unprecedented bleaching and disease in the Florida Keys	136	Christina Shaner	American lobster settlement is highly correlated with bottom temperatures in the Gulf of Maine
95	Neil Parikh	Coral Bleaching Yields Mysterious Relationship in Reef Fish Abundance	137	Jenn Dijkstra	Spatial Variation in Coral Resistance to Environmental Stress
96	Daniel Perez	Heat stress and hurricane impacts on <i>Acropora cervicornis</i> outplants off southeast, Florida	138	Amelia Ducey	Assessing the relative roles of acclimation and adaptation in defining thermal envelope of <i>Mytilus edulis</i>
97	Jane Rusher	Colonization by invertebrate organisms on biodegradable and 3D-Printed materials as a Coral Reef restoration strategy	139	Denise Garcia Salas	Using citizen science to assess hurricane impacts on American Horseshoe Crabs ( <i>Limulus polyphemus</i> ) spawning activity in Florida.
98	Carly Travers	Assessing an ecological trade off between thermal tolerance and growth rate in <i>Acropora cervicornis</i>	140	Cassidy Gersten	Sprouting new directions for restoration: unraveling the influence of seed characteristics on <i>Ruppia maritima</i> germination success
99	Sara Pezeshk	Eco-Design Solutions for Coastal Habitats: The Impact of Textured Infrastructure	141	Jennifer Johnson	Variation in consumption of microplastics by the fiddler crab <i>Leptuca pugnator</i>
100	Daphne White	Impacts of Dredging Sediment Derived on Caribbean Reef-Building Great Star Coral and Blushing Star Coral	142	Hope Wilson	Comparative assessment of photogrammetry as a method for monitoring outplanted <i>Acropora cervicornis</i> in Southeast Florida
101	Tabitha Ormond	Effects of site variance on oyster settlement and associated fauna between two living shorelines in southeastern North Carolina	143	Daniel Lopez	It's Alive! Living Seawalls improving Biodiversity in the Boston Harbor
102	Martin Posey	Long term variations in an estuarine benthic community	144	Taylor Mannes	Increasing sponge cover and loss of reef-builders on a Caribbean coral reef
103	Mackenzie Pruitt	Presenting author: Kenzie Pruitt, Poster, Ecological succession of mobile species to a newly deployed artificial reef in Southwest Florida	145	Autumn Marley	Assessing the relative roles of acclimation and adaptation in defining thermal envelope of <i>Mytilus edulis</i>
104	Amanda Pysher	Before variability effects on detecting after impacts in a BACI living shoreline project	146	Michael McCoy	A step toward evolutionarily enlightened conservation planning for hard clam restoration
105	Kelley Savage	Oysters, reef communities, and carbon sequestration: environmental conditions driving shell growth	147	Elle Pestorius	Longitudinal Comparison of Macroalgal Biomass and Diversity in Waikiki, Hawai'i, USA
106	Hannah Savage	The Biomass and Abundance of <i>Chondria tumulosa</i> within the Papahānaumokuākea Marine National Monument, Northwestern Hawaiian Islands Hannah Savage and Dr. Heather Spalding College of Charleston	148	Grace Robinson	The Toxicology of Algicidal Chemicals
107	Samantha Schiereck	A diversity baseline of benthic macrofauna along the northwestern slope of Cuba (Gulf of Mexico)	149	Justin Ryan	Peckish predators and stubborn sessile invertebrates: latitudinal effects of predation on community diversity and composition
108	Cierra Schmauch	Shifts in oyster reef biodiversity in Estero Bay, Florida, during recovery from Hurricane Ian	150	Ella Salinski	Macroalgae as water quality bioindicators: A tale of two species in Charleston Harbor
109	Blake Busch	Utilizing the development of a geospatial database to support the restoration of oyster habitats in Rhode Island	151	Graham Sherwood	The Casco Bay Aquatic Systems Survey (CBASS): Emerging trends from 10 years of ecosystem monitoring in the nearshore Gulf of Maine
110	Caroline Slaughter	Seasonal Variations in Eastern Oyster ( <i>Crassostrea virginica</i> ) Demographics and Sex Ratios in a Southeastern Estuary	152	Ryan Ware	Eco-engineering: Building the Docks of the Future
111	Alison Smith	Mired in mud: why sediment type should determine alternative reef type	153	Zoe Willis	Impacts of ocean acidification on green porcelain crab ( <i>Petrolisthes amatus</i> ) intermolt growth, cuticle strength, and calcification
112	Hannah Sturtzer	Benthic macroinvertebrae community recovery following strategic sediment placement- monitoring the Seven Mile Island Innovation Laboratory	154	Michael Wintermantel	The effects of common herbicides on the early life-history stages of the Eastern Oyster, <i>Crassostrea virginica</i>
113	Robyn Walker-Spencer	Behavioral prey responses of intertidal periwinkle <i>Littorina obtusata</i> to non-native crab scent cues in the Gulf of Maine	155	Chance Yan	Using a Community Physiology Approach to Understand Vulnerability to Climate Warming on New England Rocky Shores
114	Stephen Landers	Kinorhyncha from Alabama 2018–2020	156	Mengjin Zhang	Urban Marine Ecosystems under An Anthropogenic Pollution Gradient: Insights from Multi-Year Survey
115	Saman Lone	Exploring Barnacle Interactions with Mineralized Surfaces	157	Lauren Zitzman	Knights in spiny armor: Potential for biocontrol of invertebrate corallivores by spotted spiny lobsters ( <i>Paralurus guttatus</i> )
116	Elizabeth Lopez	Relationship Between Florida Crown Conch Density and Biotic Factors within Northern Florida Oyster Reef Ecosystems	158	Gbenga Demehin	Predicting Thermal Performance of <i>Littoraria irrorata</i> in Salt Marshes (Proposed Work)
117	Eli Mancini	Preferred internal temperature and heart rate of <i>Minuca pugnax</i> shows implications for performance in expanded range	159	Isabel Nykamp	Developing Methods for Elevation Restoration on Wind-Tidal Flats in South Texas
118	Brittney Mitchell	Bioerosion of Biogenic Calcium by the Barnacle, <i>Amphibalanus amphitrite</i>	160	LaTina Steele	Restoring resilient marshes: success of northern and southern <i>Spartina alterniflora</i> in Stratford, Connecticut
119	Hailee Nigro	Temperature-dependent molting and growth in the blue crab	161	Robyn Zerebecki	Maternal plant neighborhood influences seedling trait variation within a dominant saltmarsh plant ( <i>Spartina alterniflora</i> )
120	Jared Oviatt	Trait me right and I might stick around: Does functional trait ecology reveal hidden seasonal trends of a temperate reef ecosystem?	162	Emily Griffin	There's Something Very Fishy Going On: Raising Ocean Awareness in Kids Through an Imaginary Field Trip
121	Lorena Pacheco Barros	Does the Gill Oxygen Limitation Theory Apply to Sponges?	163	Ellery Lennon	Something's Fishy: Changing Faunal Diversity on Nearshore Hardbottom Habitats of the Florida Keys
122	Kathy Reinsel	Why is <i>Uca pugnator</i> underrepresented on hogshair collectors? Preliminary evidence for species-specific variation in thigmotactic behavior.	164	Janice Voltzow	Royal Scholars: Boosting Retention and Science Self-Efficacy for Low-Income Students in STEM
123	Sophia Rosellon	Female Fecundity Dynamics: Brooding Capacity and Light-Dependent Embryo Development in <i>Hemigrapsus sanguineus</i>	165	Danielle Macias	Identification of CCA species and their impacts on coral settlement in South Florida
124	Luke Stoeber	Hide and Seek: Finding Spatial Trends in Cryptofauna Communities	166	Cristina Perez	Assessing Population Demography for Nesting Female Diamondback Terrapins, <i>Malaclemys terrapin</i>
125	Robert Thacker	Biodiversity of Marine Sponges (Porifera) in the Northeastern Pacific Ocean (Washington, USA and British Columbia, Canada)			