

UNIVERSITY OF FLORIDA | REITZ UNION | GAINESVILLE, FL | JANUARY 17, 2024

FLORIDA SEA GRANT'S 2024 SYMPOSIUM:

Spotlighting UF's Role in Coastal Science



WELCOME

Welcome and thank you for taking the time to either share or learn about programs led by UF faculty and students that help the Florida Sea Grant College Program (Florida Sea Grant or FSG) address state and national priorities. The presentations today highlight the:

- ❑ diversity of disciplines conducting scientific research relevant to FSG,
- ❑ value of being closely linked with FSG Extension,
- ❑ student support and involvement in FSG research and extension, and
- ❑ research with meaningful stakeholder engagement and impacts.

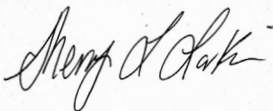
We have planned a full schedule for this day to elevate the visibility of marine and coastal science at UF, and the participating faculty and students. Collectively, these projects have addressed a broad array of issues plaguing Florida's unique ecosystems; coastal shoreline dependent communities, businesses and economies; and residents and tourists worldwide that value the health of Florida's marine and coastal natural resources.

We are joined by Drs. Angle, Norton and Davis, representing support provided by UF's Provost, Office of Research, and UF/IFAS Research, respectively. We also welcome the National Sea Grant Director (Dr. Pennock) and FSG's Program Officer (Kelly Samek, J.D.), and a representative of Congresswoman Cammack (Daniel Hartley). Finally, we are excited to hear from Florida's Chief Science Officer (Dr. Mark Rains), our lunchtime keynote speaker.

This event is also intended to recruit new students and faculty to FSG programs and funding opportunities. We hope that you make new connections and note the sessions with student presenters that represent various labs across campus.

Thank you for participating,

Sincerely,



Sherry Larkin, Director of Florida Sea Grant



AGENDA AT-A-GLANCE

JANUARY 17, 2024 | GAINESVILLE, FL

7:30 AM – 8:00 AM

CHECK-IN

CHAMBER ROOM (REITZ UNION)

8:00 AM – 12:00 PM

MORNING SESSIONS

CHAMBER ROOM

8:00 AM – 8:30 AM

WELCOME & OPENING COMMENTS

8:30 AM – 9:45 AM

SESSION I: HEALTHY COASTAL ECOSYSTEMS

9:45 AM – 10:00 AM

BREAK

10:00 AM – 11:15 AM

SESSION II: RESILIENT COMMUNITIES AND ECONOMIES

11:15 AM – 12:00 PM

SESSION III: STUDENT INTERNSHIPS

12:00 PM – 1:30 PM

LUNCH

RION BALLROOM (REITZ UNION)

12:30 PM – 1:00 PM

KEYNOTE ADDRESS

1:30 PM – 5:00 PM

AFTERNOON SESSIONS

CHAMBER ROOM

1:30 PM – 3:00 PM

SESSION IV: SUSTAINABLE AQUACULTURE

3:00 PM – 3:15 PM

BREAK

3:15 PM – 4:30 PM

SESSION V: SUSTAINABLE FISHERIES

4:30 PM – 4:55 PM

SESSION VI: GRADUATE FELLOWSHIPS

4:55 PM – 5:00 PM

CLOSING REMARKS

6:00 PM – 8:00 PM

RECEPTION

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& Maps*



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FOR DIRECTIONS

DETAILED AGENDA

Morning Sessions

WELCOME & OPENING COMMENTS

SESSION CHAIR

Dr. Sherry Larkin | FSG Director; Professor, UF/IFAS FRE

INVITED GUESTS

Dr. Scott Angle | UF Senior Vice President and Provost

Dr. David Norton | Vice President, UF Research

Dr. John Davis | Senior Associate Dean, UF/IFAS Research

Daniel Hartley | Field Representative, Office of Congresswoman Kat Cammack

Dr. Jonathan Pennock | Director, National Sea Grant College Program

SESSION I: HEALTHY COASTAL ECOSYSTEMS

SESSION CHAIR

Ana Zangroniz | FSG Extension Agent, UF/IFAS Miami-Dade County Extension at UM/RSMAS

SPEAKERS

Dr. Dail Laughinghouse | Associate Professor, UF/IFAS Agronomy at FLREC
Chemical Algaecides to Control Red Tide

Dr. Christine Angelini | Associate Professor, UF/Engineering & Director of CSS
Filter-feeding Bivalves and Estuarine Organic Matter Cycling

Dr. Lisa Krinsky | FSG Regional Specialized Extension Agent, UF/IFAS at IRREC
Red Tide Communications Plan

Dr. Hector Perez | Professor, UF/IFAS Environmental Horticulture
Temperature Stress Tolerance of Sea Oats for Shoreline Protection

Dr. Josh Patterson | Associate Professor, UF/IFAS SFFGS at Apollo Beach
Mass Mortality of Sea Urchin in the Caribbean Sea

Dr. Ashley Smyth | Assistant Professor, UF/IFAS SWES at TREC
Sargassum Composting for Soil Amendment Applications in Landscaping

SESSION II: RESILIENT COMMUNITIES AND ECONOMIES

SESSION CHAIR

Holly Abeels | FSG Extension Agent, UF/IFAS Brevard County Extension

SPEAKERS

Dr. Jason von Meding | Associate Professor, UF/DCP FIBER
Spatial Justice in Neighborhood Revitalization for Adaptation and Resilience

Dr. Mark Clark | Associate Professor, UF/IFAS SWES
PROS (Plastic-free Restoration of Oyster Shorelines)

Dr. Jamie Loizzo | Associate Professor, UF/IFAS AEC
Restore the Shore: Online STEM Engagement and Impacts on Youth

Bill O'Dell | Associate Research Professor, UF/DCP & Director of Shimberg CHS
Resilience Planning for Affordable Housing in Coastal Florida

Andrea Galinski | Assistant Professor, UF/DCP Landscape Architecture
Coastal Resilience, Adaptation, and Capacity Building for Equity

SESSION III: STUDENT INTERNSHIPS

SESSION CHAIR AND SPEAKER

Clark Morgan | FSG Graduate Researcher and Scholarship Recipient | *Ph.D. Marine Science and Oceanography, FAU HOBI*

SUPERVISOR: Dr. Angela Collins | FSG Assistant Extension Scientist, UF/IFAS SFFGS-TAL

SPEAKERS

Julia Moncrieff | FSG Undergraduate Research Intern | *B.S. Biology, UF*
SUPERVISOR: Dr. Julie Meyer | Assistant Professor, UF/IFAS SWES

Kylie Hollis | FSG Undergraduate Research Intern | *B.S. Environmental Science & Marine Sciences, UF*
SUPERVISOR: Dr. Anna Braswell | FSG Extension Specialist; Assistant Professor, UF/IFAS FFGS

Bianca Ruiz | FSG Undergraduate Research Intern | *B.S. Animal Sciences, UF*
SUPERVISOR: Dr. Laura Reynolds | Assistant Professor, UF/IFAS SWES

Ayleen Lei Liu | FSG Undergraduate Research Intern | *B.S. Microbiology & Cell Science, UF*
SUPERVISOR: Dr. Naim Montazeri | Assistant Professor, UF/IFAS FSHN

Nate Douglas | FSG HARVEST Intern | *M.S. Information Systems and Operations, UF*
SUPERVISOR: Dr. Andrew Ropicki | FSG Extension Specialist; Assistant Professor, UF/IFAS FRE

DETAILED AGENDA

Lunch

KEYNOTE ADDRESS

SPEAKER

Dr. Mark Rains | Chief Science Officer, Florida DEP
We've Never Solved a Problem We Didn't First Understand

Afternoon Sessions

SESSION IV: SUSTAINABLE AQUACULTURE

SESSION CHAIR

Dr. Laura Tiu | FSG Extension Agent; County Extension Director (CED), UF/IFAS Walton County

SPEAKERS

Shelly Krueger | FSG Extension Agent, UF/IFAS Monroe County Extension
Florida Keys Water Watch Sponge Restoration Aquaculture

Dr. Jim Anderson | Professor, UF/IFAS FRE
Economics of Risk in U.S. Aquaculture Production and Markets

Dr. Huiping Yang | Associate Professor, UF/IFAS SFFGS
Genomic Breeding through Transcriptome Analysis for Hard Clam Aquaculture

Dr. Shirley Baker | Professor, UF/IFAS SFFGS; Chair of FAS
Abiotic and Biotic Factors Influencing Hard Clam Seed Production

Dr. Matt DiMaggio | Associate Professor, UF/IFAS SFFGS; Director of TAL
Addressing Bottlenecks in the Commercial Culture of Clownfish

Dr. Todd Osborne | Associate Professor, UF/IFAS SWES at Whitney Lab
Clam Restoration Research and Practice in the Indian River Lagoon

Dr. Razieh Farzad | FSG Extension Specialist; Assistant Professor, UF/IFAS FSHN
Cell-based Aquaculture for Feed

SESSION V: SUSTAINABLE FISHERIES

SESSION CHAIR

Brittany Hall-Scharf | FSG Extension Agent, UF/IFAS Hernando County Extension

SPEAKERS

Dr. Ed Camp | Assistant Professor, UF/IFAS SFFGS

NMFS-Sea Grant Population and Ecosystem Dynamics Graduate Fellowship

Dr. Savanna Barry | FSG Regional Specialized Extension Agent, UF/IFAS at NCBS

Using Citizen Science to Track Population and Manage Horseshoe Crabs

Dr. Nancy Montes | FSG Post-doctoral Associate

Evaluating Fish Descending Devices from Angler Education and Engagement

Dr. Angela Collins | FSG Assistant Extension Scientist, UF/IFAS SFFGS at TAL

Optimal Recreational Release Strategies for the Protected Goliath Grouper

Dr. Dave Chagaris | Assistant Research Professor, UF/IFAS NCBS

Management and Harvest Practices for the Florida Stone Crab Fishery

Dr. Will Patterson | Professor, UF/IFAS SFFGS

South Atlantic Red Snapper Research Program

SESSION VI: GRADUATE FELLOWSHIPS

SESSION CHAIR AND SPEAKER

Hayley Lemoine | FSG Aquaculture Outreach & Communications Fellow | Ph.D. Geography, FSU

Examining the Social Acceptance of Aquaculture

SUPERVISOR: Dr. Laura Tiu | FSG Extension Agent; CED, UF/IFAS Walton County

SPEAKERS

Jordan Bajema | FSG Graduate Research Fellow | Ph.D. Interdisciplinary Ecology, UF

Recruitment and Trophic Dynamics of Range-Expanding Snook

SUPERVISOR: Dr. Will Patterson | Professor, SFFGS

Alexandra Bijak | FSG Graduate Research Fellow | Ph.D. SWES, UF

Drivers of Seagrass Blue Carbon: Role of Meadow Diversity and Stability

SUPERVISOR: Dr. Laura Reynolds | Assistant Professor, SWES

Kristie Perez | FSG Graduate Research Fellow | Ph.D. Interdisciplinary Ecology, UF

Ecologically Relevant Eastern Oyster Filtration Rates as Ecosystem Services

SUPERVISOR: Dr. Shirley Baker | Professor, UF/IFAS SFFGS; Chair of FAS

Emory Wellman | FSG Graduate Research Fellow | Ph.D. Fisheries and Aquatic Sciences, UF

Impacts of Wave Energy, Harvest, and Freshwater Flow on Oyster Systems

SUPERVISOR: Dr. Anna Braswell | FSG Extension Specialist; Assistant Professor, UF/IFAS FFGS

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NOTES

Subscribe

TO OUR NEWSLETTER



ACRONYMS

AEC	Department of Agricultural Education and Communication
CHS	Center for Housing Studies
CSS	Center for Coastal Solutions
DEP	Department of Environmental Protection
DCP	College of Design, Construction and Planning
ESSIE	Engineering School of Sustainable Infrastructure
FAS	Fisheries and Aquatic Sciences
FAU HBOI	Florida Atlantic University's Harbor Branch Oceanographic Institute
FIBER	Florida Institute for Built Environment Resilience
FLREC	Fort Lauderdale Research and Education Center
FRE	Food and Resource Economics Department
FSG	Florida Sea Grant College Program
FSHN	Food Science and Human Nutrition Department
FSU	Florida State University
HARVEST	Helping Aquaculture Reap Value and Enhance Student Training
IRREC	Indian River Research and Education Center
NCBS	Nature Coast Biological Station
NFREC	North Florida Research and Education Center
NOAA	National Oceanic and Atmospheric Administration
SFFGS	School of Forest, Fisheries, and Geomatic Sciences
SWES	Department of Soil, Water, and Ecosystem Sciences
TAL	Tropical Aquaculture Laboratory
TREC	Tropical Research and Education Center
UF	University of Florida
UF/IFAS	UF's Institute of Food and Agricultural Sciences
UM/RSMAS	University of Miami's Rosenstiel School of Marine, Atmospheric & Earth Science
WHITNEY LAB	Whitney Laboratory for Marine Bioscience

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FUTURE RESEARCH



The Karl Havens Excellence Endowment supports research and students at Florida Sea Grant affiliated institutions in the areas of limnology, coastal and estuarine water quality, and harmful algal blooms.

Dr. Maia McGuire, FSG's Associate Director of Extension & Education and UF/IFAS Associate Program Leader for Marine & Coastal Extension, will match all donations (up to \$5,000). Scan the QR code to learn more.



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The Water Inundation Symposium serves as a forum for collaboration and information exchange among those working to address and improve outcomes for water inundation.

The symposium will be held from October 28-31, 2024, in Kissimmee, Florida. Scan the QR code to learn more.



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