

Johann Becker

Email: beckerj@uri.edu

Current PhD. Student (2020 – Present):

Ocean Engineering, focus in Ocean Instrumentation

Oceanographic Applications of Distributed Temperature Sensing

OSM 2024 Presentation: OT13C-09, eLightning

High spatiotemporal observations of temperature variability at hydrothermal vent fields using fiber optic distributed temperature sensing

Monday, 19 February 2024; 14:00 - 15:30 CST

Expected Graduation: December 2024

Currently looking for next career step! If you have any advise or know of any opportunities, please let me know!

Education:

2018 – University of Rhode Island – B.S. Ocean Engineering

2018 – University of Rhode Island – B.S. Marine Biology

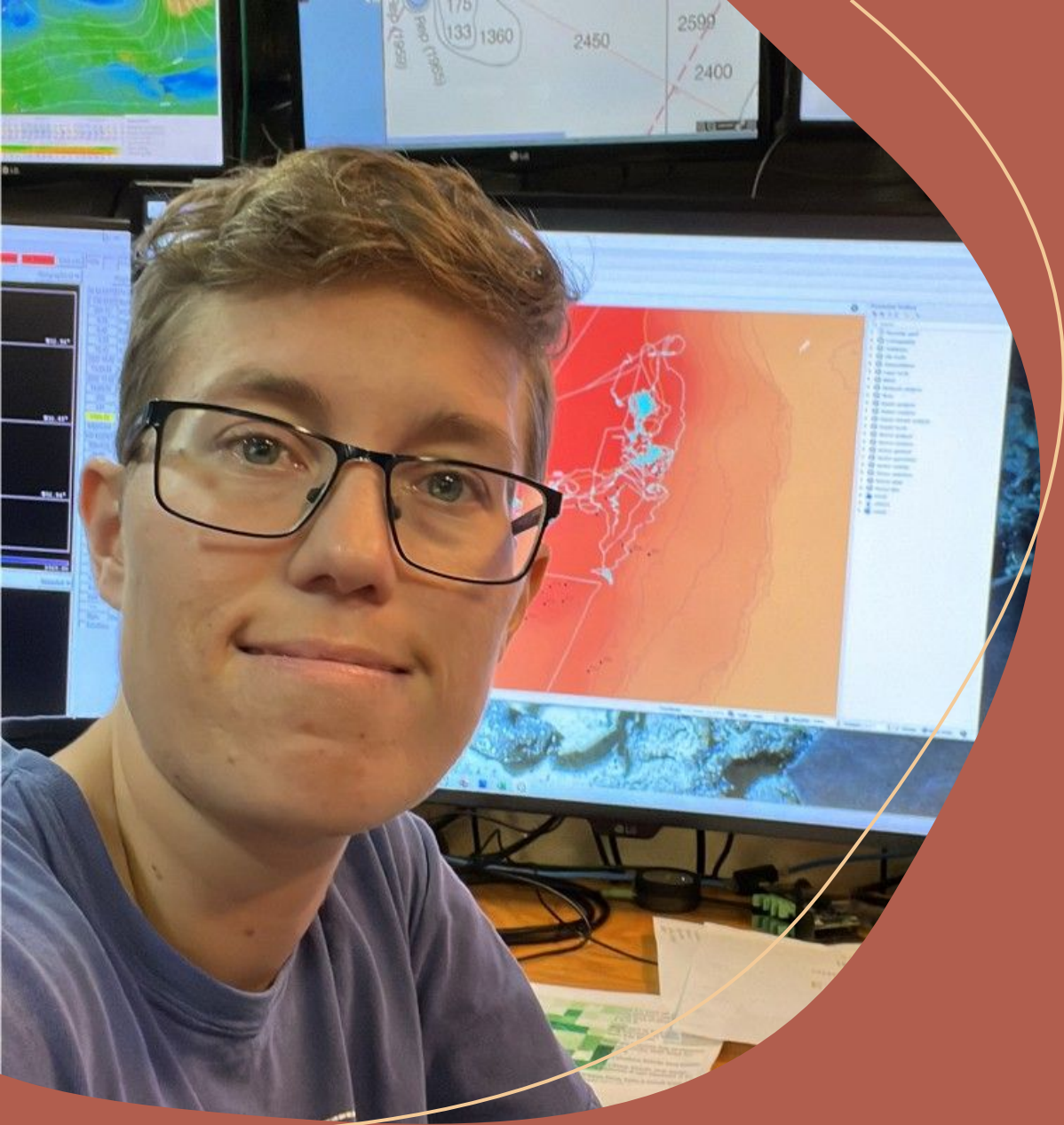




Lex Berger



- 4th Year PhD Candidate at George Mason University
 - Microbial ecologist in the Salerno Lab of Integrative Microbial Ecology
- Research Interests:
 - Bioluminescent symbioses
 - Deep sea microbial dynamics
- Interested in networking and learning what work is currently being conducted



Virginia Biede



vbiede@fsu.edu



[linkedin.com/in/virginia-biede](https://www.linkedin.com/in/virginia-biede)

PhD Candidate: 2019-2024

Research Focus: Benthic Ecology,
Geospatial Analyses, Anthropogenic
Disturbance, Seamount Ecosystems

Looking for post-doc or industry position
where I can expand my knowledge of
machine learning and spatial statistics

Andrew Branch

Jet Propulsion Laboratory, California Institute of Technology

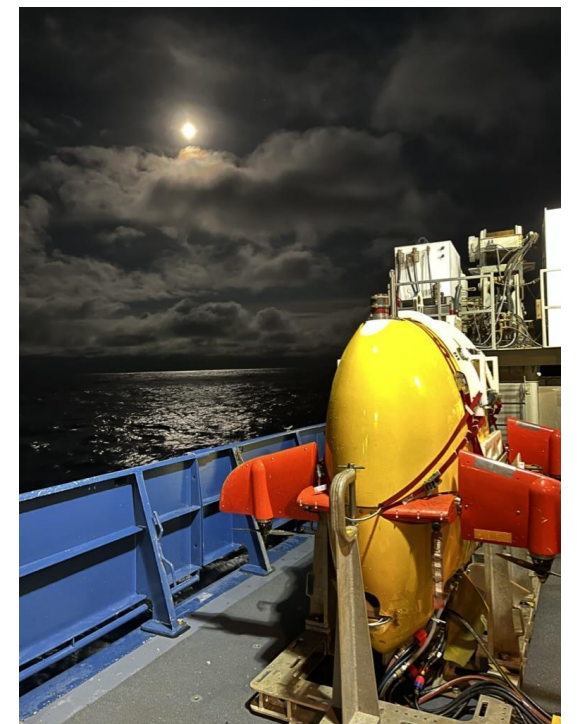
- Mid-Career Technologist (8 Years) at JPL in the Artificial Intelligence Group
- Research interests
 - Ocean Worlds exploration
 - Developing autonomous sampling capabilities for the exploration of hydrothermal venting and physical oceanography
 - Automated planning and scheduling for spacecraft



Jet Propulsion Laboratory
California Institute of Technology

Mary Burkitt-Gray

- Currently a postdoc at WHOI developing and deploying optical sensors (for ocean pressure, absolute salinity, dye tracing, gas sensing...).
- Always looking for applications and research questions where new sensing technology can be applied – particularly combining with traditional oceanographic techniques.



Elena Ceballos

Research interest:

- understanding the role of the ocean in the global carbon cycle and Earth's climate,
- investigating carbon export and sequestration in the oceans via the biological carbon pump,
- using in-situ particle imaging techniques for quantifying carbon export and attenuation.

Looking for:

- collaborators to explore the broader applications of particle imaging data in understanding marine ecosystems and processes.

S. CHENOAH DUBREE

Earth, Ocean, & Atmospheric Science Dept.

Biological Oceanography



[sdubree3.fsu.edu](mailto:sdubree3@fsu.edu)

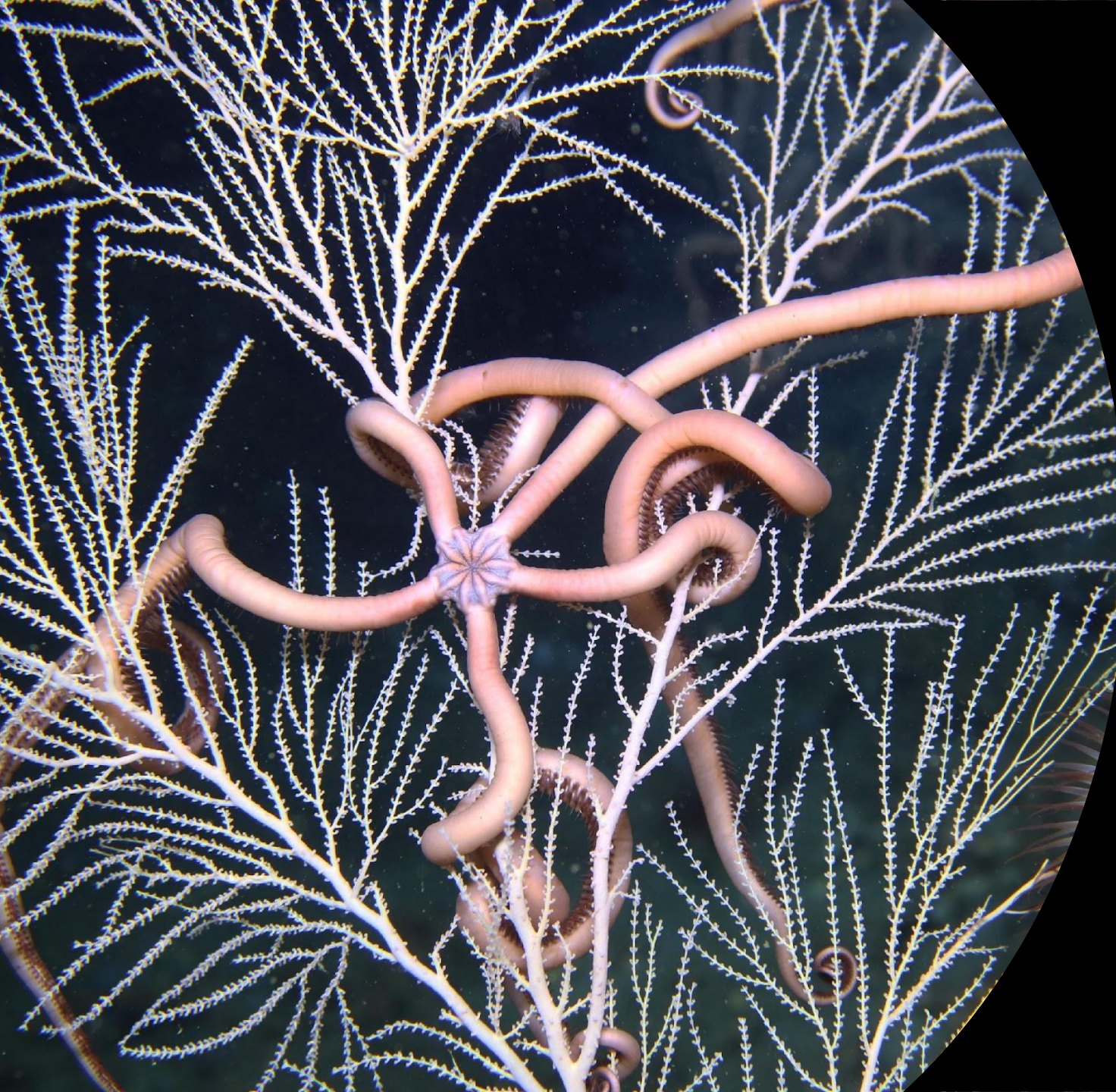


Current & Previous Research

- *Meiofauna as Biological Indicators of Effluent Discharge from the Orange County Sanitation District, California (Present)*
- *Meiofauna Communities Around Polymetallic Nodules from Pacific with DeepGreen (2021-2022)*
- *Undergraduate Thesis on Goldfish Physiology & Behavior (2019-2021)*

Research Interests

- *Deep Sea Benthic Communities*
- *Deep Sea Mining Technology*
- *Preservation and Conservation Efforts in Deep Sea Communities*
- *Museum Cataloging Taxonomical and Genetic Data for Meiofauna*



Fanny Girard
Assistant Professor
University of Hawai'i at Mānoa

- Deep-sea benthic Ecology
- Vulnerable Marine Ecosystems:
 - Spatial & temporal dynamics
 - Resilience to disturbance and climate change
- Image/video analysis

Workshop goal:

Access to UNOLS ships and assets

Learn how to request ship time as part of grant proposal

Jeremy



Witz

- **About me:**
 - Current Postdoctoral Fellow @ Smithsonian Institution, NMNH
 - Deep sea black coral expert (taxonomy & evolution)
 - Extensive experience in deep sea research cruises
- **My goals:**
 - Expand expertise beyond biological collection & preservation
 - Lead a deep-sea expedition
- **I am looking for a job that involves deep sea research/exploration/conservation**

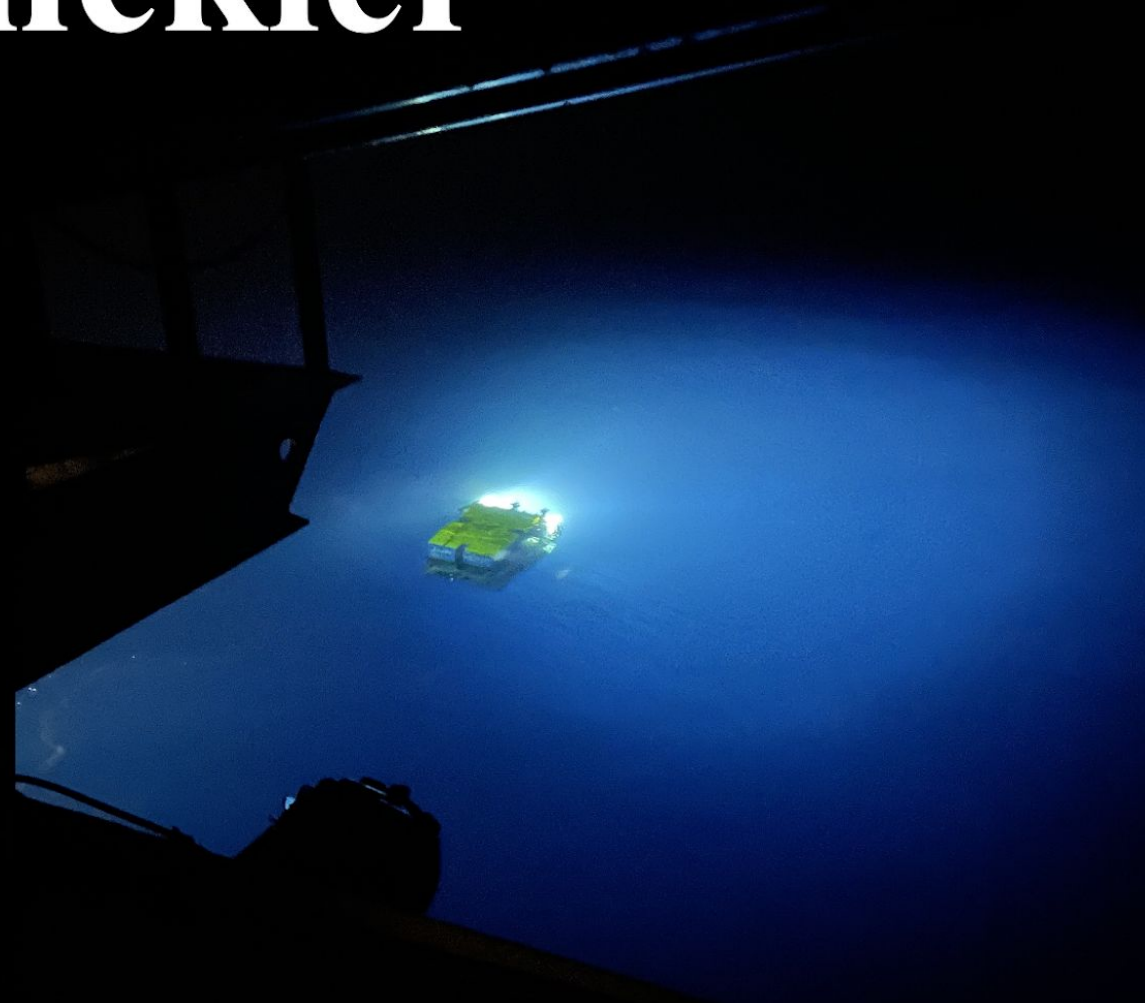
Julia Huncckler

Hawaii Pacific University

Advisor: Dr. Olivia Nigro

Field of Interest: Marine Microbiology

- **Genomic analysis of microorganisms enriched from deep hydrothermal vent systems on the Mid-Cayman Rise**
- **Marine Scientific Research expedition to the eastern flank of Juan de Fuca Ridge**
 - **Geothermally heated fluids from basaltic aquifer collected using ROV *Jason II* submersible that accessed IODP seafloor borehole observatories (U1362A/B) CORKs**
 - **Onboard the research vessel (R/V) *Thompson***
- **My research involves the anaerobic cultivation of microbial communities within the oceanic basement crustal fluids**





Sierra Landreth

B.S Marine Biology

Bio. Oceanography Graduate Student

slandreth@fsu.edu

Department of Earth, Ocean, and Atmospheric Science



Current and Previous Research

- Exploring and characterizing benthic megafaunal communities of Pacific seamounts via annotation of taxonomy and substrate
- Undergraduate research on comparing seasonal occupancy patterns of sea turtles using photograph identification (2021-2022)

Research Interests

- Deep-sea corals and benthic megafaunal communities
- Conservation of deep-sea habitats and vulnerable marine ecosystems

Ashley Marranzino

NOAA Ocean Exploration | UCAR

Benthic Biologist

- Background in deep-sea biology, sensory biology, ichthyology

Luke McCartin

- PhD Candidate in Dr. Santiago Herrera's Lab at Lehigh University
- I use DNA sequencing and imagery analysis to understand the distributions of deep-sea animals, specifically corals.
- Interested in continuing to use deep-sea collections and imagery in my research during my postdoc



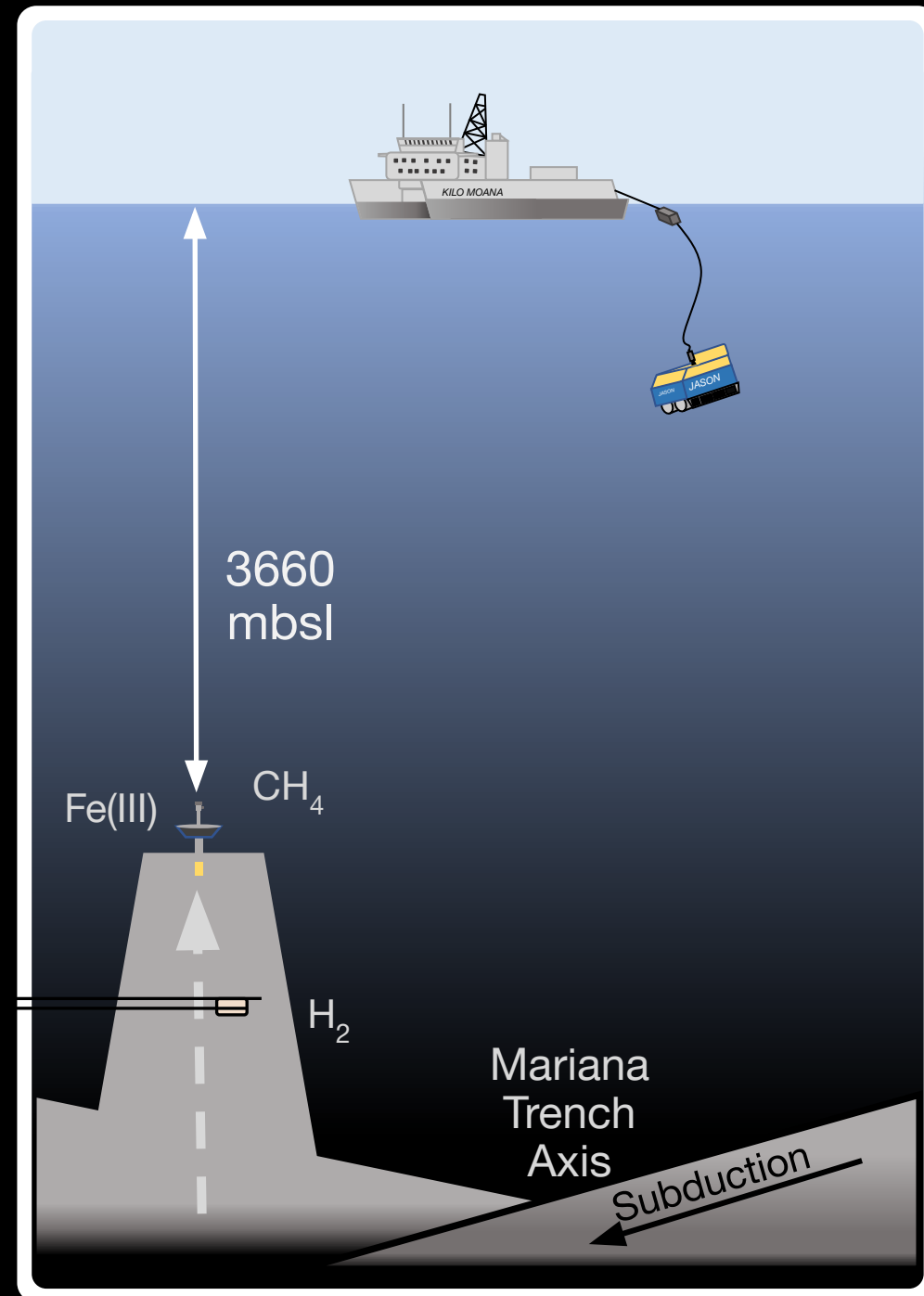
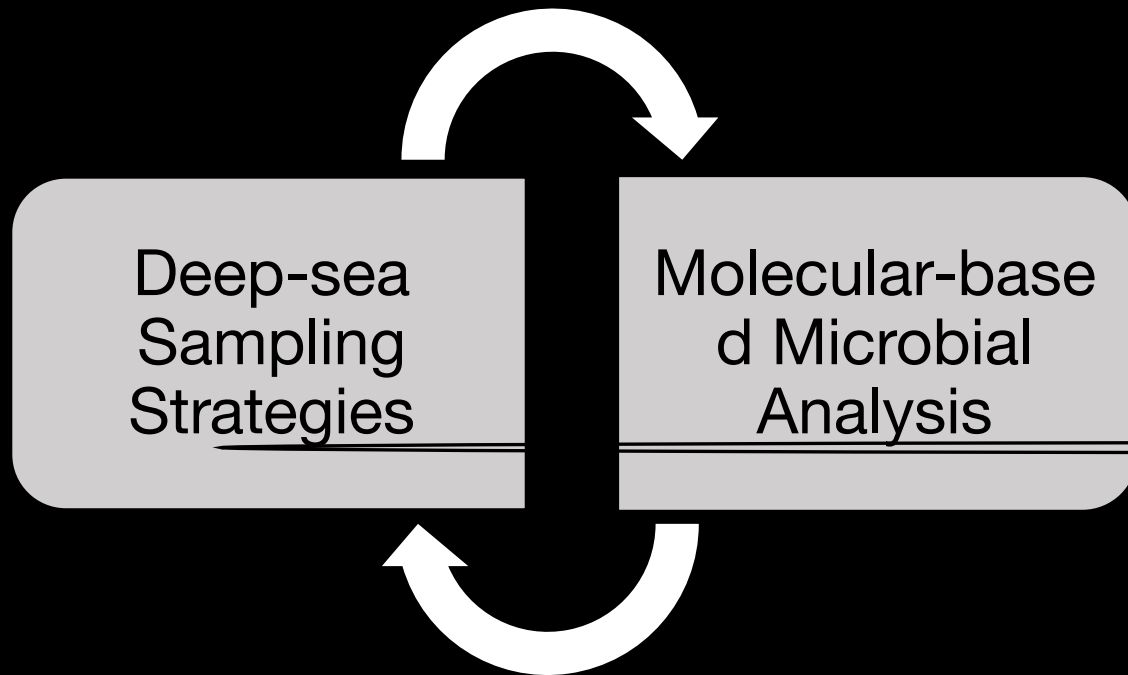
ljm419@lehigh.edu



Sarina Mitchell

PhD Candidate, PI: Dr. Karen G. Lloyd
University of Tennessee, Knoxville

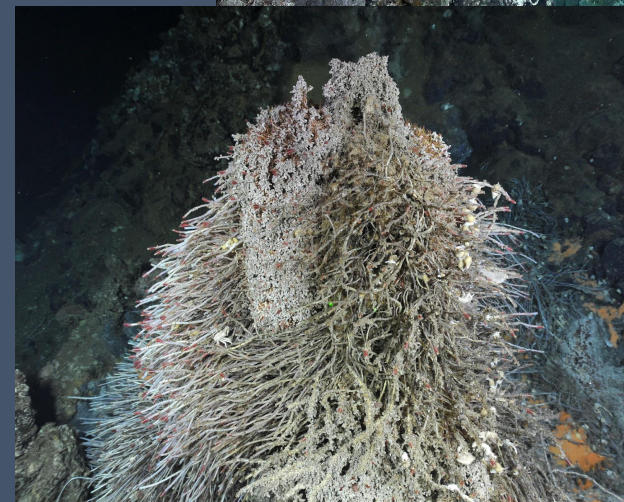
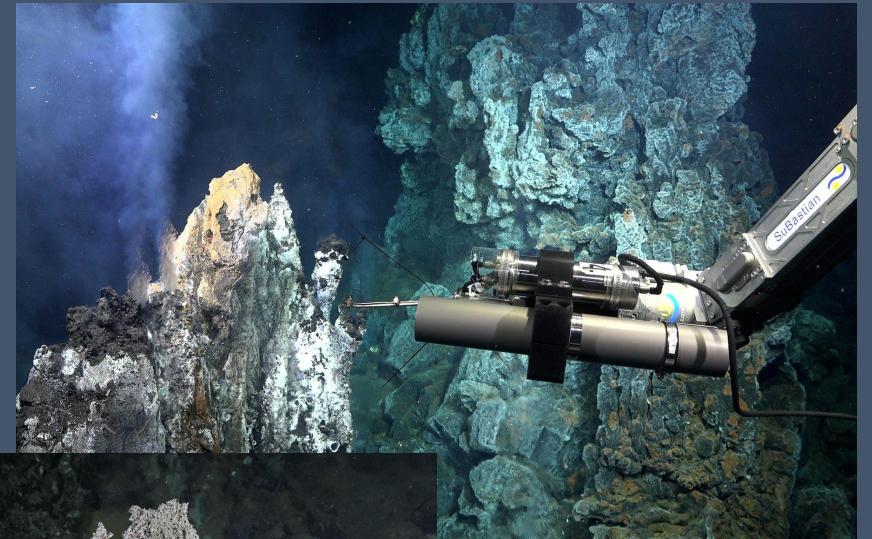
Research Focus: Linking deeply-sourced microbial life to subduction & serpentinization



Sheryl Murdock

- Postdoc, Arizona State University
- Hydrothermal vent microbiologist/biogeochemist
- Long time ROV/HOV cruise participant

First NSF proposal in review
Nitrogen cycling under pressure
(thanks to the COBRA Master Class)



Roland Ovbiebo

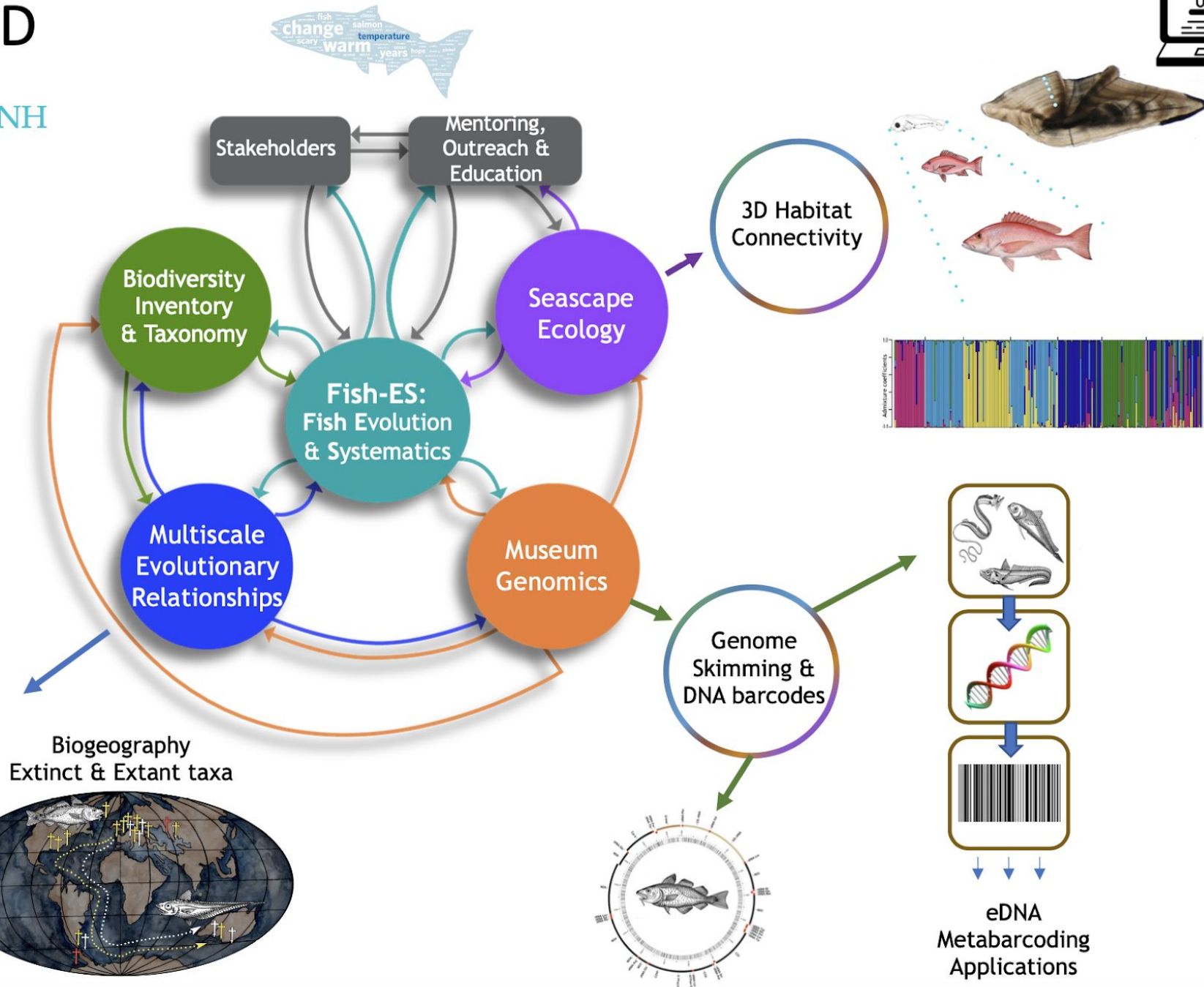
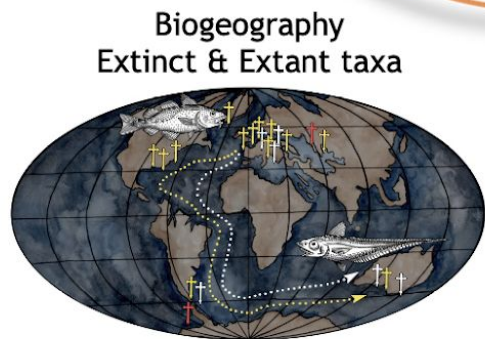
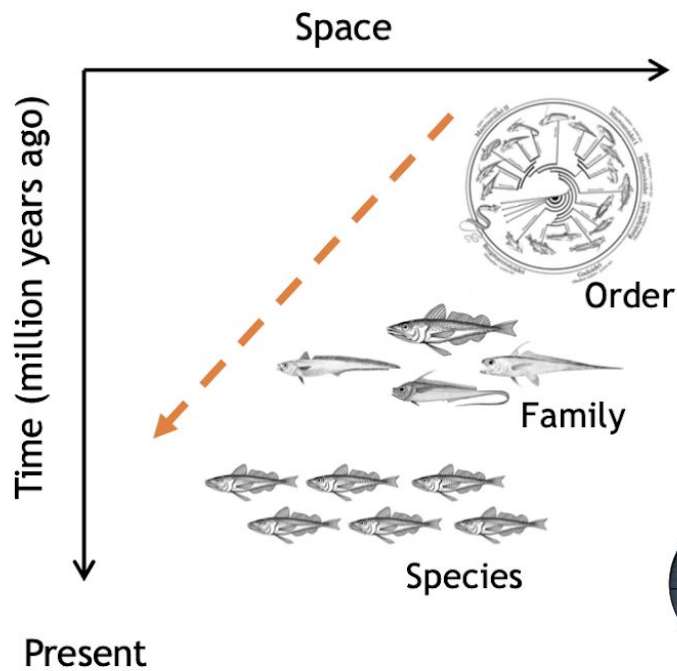
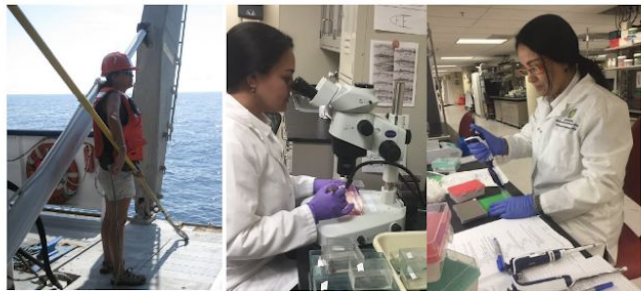
- I'm working on mercury biogeochemical cycle in the coastal ocean.
- Open to research collaboration.

Adela Roa-Varón, PhD

Museum Research Scientist

SMITHSONIAN INSTITUTION, NMNH

www.adelaroavaron.com



Rendhy M Sapiie

- PhD student of Ocean Engineering at University of Rhode Island
- Underwater Robotics and Imaging Lab (URIL) under Dr. Brennan Phillips
- Avoidance of mesopelagic animals from ROVs due to sound and light using active and passive acoustics
- 2 cruises using OC-ROV, 1 cruise with ROV Hercules on E/V Nautilus 2021
- Planning to graduate May 2024
- Looking for post-doc!



Alyssa Schultz

Geography (Paleoceanography), PhD Student
Texas A&M University

- Research:
 - Paleoceanographic reconstructions and patterns over decadal to millennial timescales
 - Biomineralization mechanisms across deep-sea coral species
 - Carbonate system modeling using paleo & hydrographic data

Broadly: How are these corals surviving??

- DeSSC New User Program:
 - Engage with deep-sea community
 - Future directions/themes
 - Logistics, funding, technology



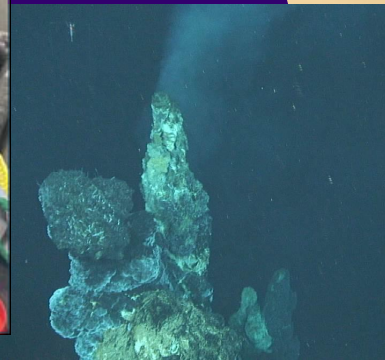
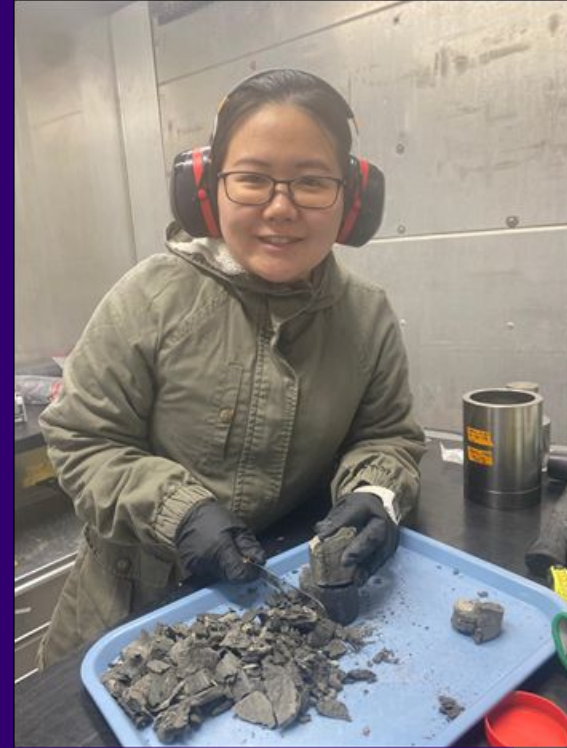
aschultz@tamu.edu

MAN-YIN TSANG manyint@uw.edu



1. Measure & model dissolved ions in sediment porewater

- quantify subseafloor microbial activities
- study microbial S-isotopic fractionation
- understand Quaternary climate and tectonic events

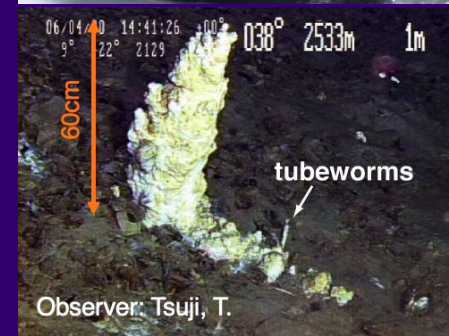


2. Date hydrothermal vents & seafloor features using sulfate minerals

- reveal geological history
- study processes forming economic minerals
- estimate the adaptation rate of biological communities



Looking for a tenure-track / permanent job



Claudia Francesca Vaga

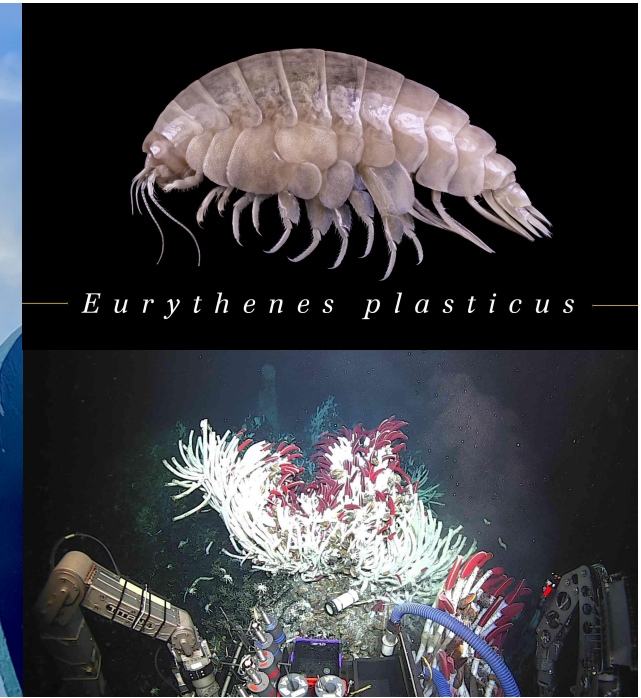


- Postdoctoral Researcher in the in the *Mesophotic and Deep Benthic Communities project*, which aim to assess the benthic biodiversity of the gulf of Mexico and the impact of the *Deepwater Horizon oil spill*
- I have a broad interest in cnidarians species, and I especially focus on taxonomy and evolution of *azooxanthellate and deep-sea stony corals* (Anthozoa, Scleractinia).

DR. JOHANNA WESTON

Postdoctoral Scholar, WHOI

Understand the processes that *shape* species and biological communities and *incorporate* this understanding into conserving (deep ocean) ecosystems.



Driving Questions (using benthic invertebrates as a model)

1. How does geology and environmental conditions influence community composition and drive, or limit, population connectivity?
2. How have species diversified over evolutionary time?
3. How are species impacted or likely to be impacted by human activities?

Looking for a permanent job and collaborations!! Let's connect: johanna.weston@whoi.edu



NINA YANG

**Postdoctoral Investigator,
WHOI**

Previous Experience:

2022-2023 Knauss Fellow w/ NOAA Ocean Exploration
PhD (Dec 2022), University of Southern California

Research Interests:

Biodiversity & Ecology (Prokaryotes to Predators)

Biogeochemistry

Climate Change Impacts

Laurel R. Yohe

Assistant Professor, UNC Charlotte

Strengths and Interests

- Bioinformatics and genomics
- Imaging and microscopy
- Hydrothermal invertebrates and macrofauna
- Evolution to extreme environments

Seeking

- Collaborations
- Samples, especially of flash frozen tissue
- Learning how to obtain funding to participate or lead in an expedition of my own

