New User Intro Slides
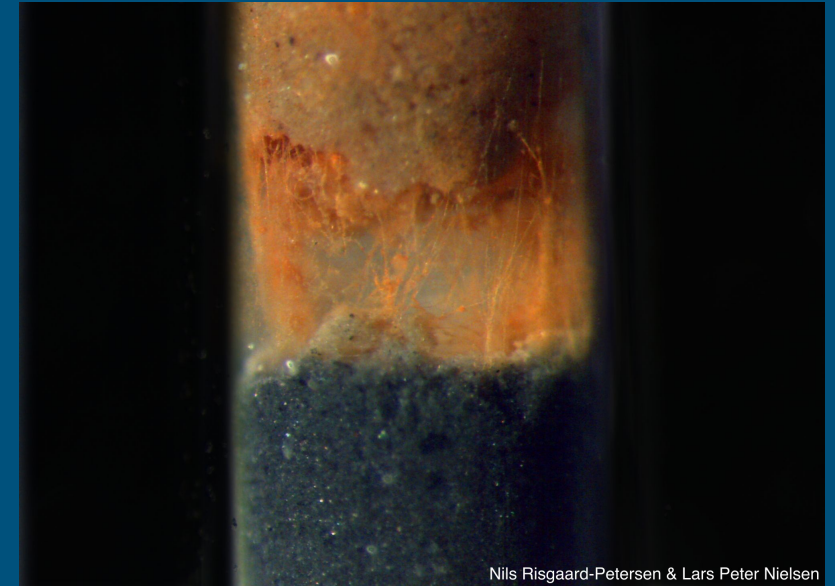
UNOLS

Claire Andrade, Boston University

Background: Recent graduate from Oregon State University focusing on methane seep microbial ecology. Currently a lab tech at BU with the Marlow Lab

Research Interests: Benthic microbial ecology/sediment biogeochemistry, viral-microbial community interactions (phylogenetics/viromics), geomicrobio of hydrothermal vents, microbes impact on coastal hypoxic events, equitable K-12 art scicomm programming
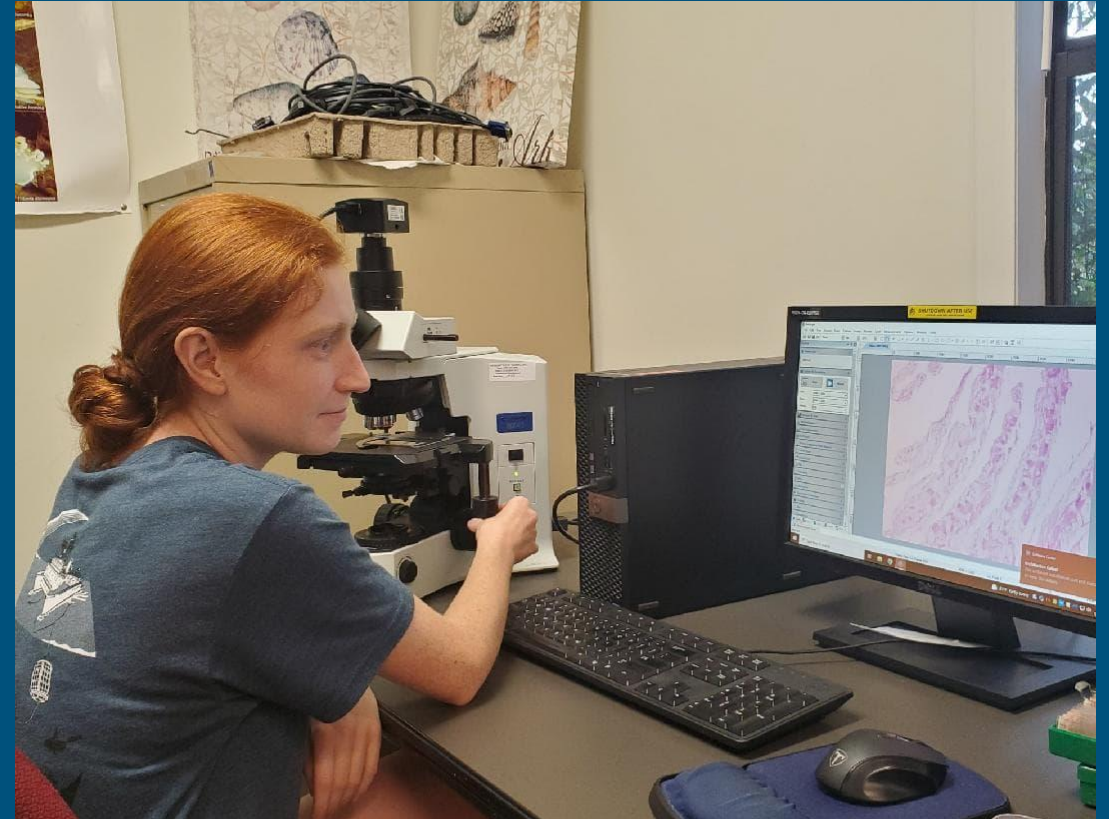
DeSSC New User Goals: Network with other deep sea early career professionals. Learn more about resources offered by DeSSC for proposal/application drafting, the future of deep ocean observational instruments

Nils Risgaard-Petersen & Lars Peter Nielsen

Laura Anthony, Florida State University

- Background:
    - Worked on cold-seep larval dispersal as undergrad at WWU
    - Currently a PhD student at FSU working on deep-sea coral reproduction
- Research interests:
    - Deep-sea reproduction cues
    - Deep-sea coral ecophysiology
- DeSCC New User Program Goals:
    - Familiarize myself with grant writing and budgeting for deep-sea projects
    - Network with ECRs in deep-sea science

Steve Auscavitch, Boston University

@SteveAuscavitch

About me

- Current: Postdoc, Boston Univ. (part remote in NYC)

- PhD, Biology, Temple University, 2020

- MS Marine Biology, Univ. of Maine, 2014

Research interests

- Deep-sea coral biodiversity & biogeography

- Ecology of seamount environments

- Morphological and next-gen molecular approaches to understand ecological, biogeographic, and evolutionary patterns of the benthos

DeSSC NUP Goals

- Improve **proposal crafting, budget- making**, effective **application of deep submergence resources**

- Understanding **early career funding** opportunities outlook

- Interdisciplinary **networking** opportunities

Anirban Chakraborty, Idaho State University

✉ anirbanc@isu.edu   🐦 acmicrobio

- **Background:**
  - PhD at Indiana University Bloomington
  - Postdoc at University of Calgary – worked on microbial dispersal in cold seeps
  - Currently Assistant Professor at ISU
- **Research interests:**
  - Microbial ecology of cold seeps
  - Ecophysiology of extremophiles
- **DeSCC New User Program Goals:**
  - Become familiar with grant writing and funding mechanisms for US-based deep-sea science
  - Networking opportunity with early-career and experienced researchers, program/facility managers

Box core sampling, Canadian Arctic, 2018

Photo credit - Margaret Cramm

Shawn Chambers

Kimberly (Kim) Galvez, NOAA Ocean Exploration

- Me:
  - Originally from Miami, FL - now residing in Silver Spring, MD
  - Early career professional (post-grad)
- Interests:
  - Background in marine geology, expanded into all forms of deep-sea exploration (biology, geology, acoustic mapping, data processing)
- Hopes to get out of the DeSSC New User Program:
  - Learn various aspects of Deep Submergence Research & outreach associated with it as well as expand network with partners of NOAA Ocean Exploration

Image courtesy of NOAA Ocean Exploration, 2021 North Atlantic Stepping Stones: New England and Corner Rise Seamounts.

Introductory Slide

Name: Noah E. S. DeDeo

Occupation: Field Biologist

Origins: Florida

Career: I recently finished up my M.O. from URI and am looking to apply for PhD's this year. I want to focus in Benthic Biology and Ecology.

My hopes: I hope to understand what it takes to become a deep-sea biologist and to find PhD ideas or potential jobs from this symposium

Favorite Sea Creature: Nudibranchs (I have always wanted to see one)
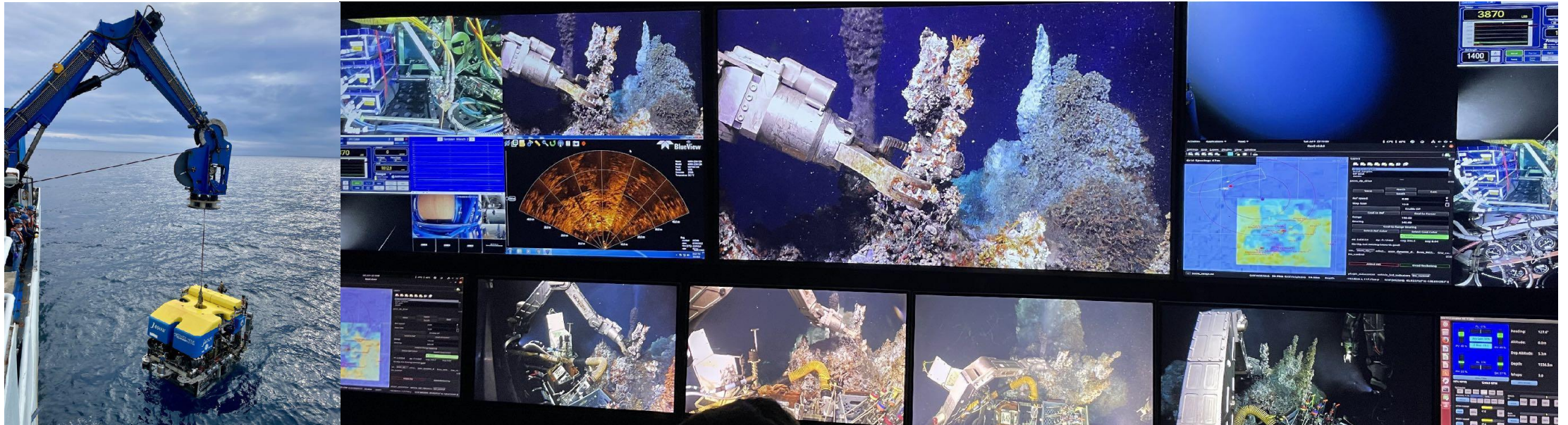
Tanika Ladd, Western Washington University

- Background:
  - Currently a postdoctoral researcher at Shannon Point Marine Center in Anacortes, WA
  - PhD from the University of California, Santa Barbara studying surface ocean protists
- Interests:
  - Hydrothermal vent ecology and microbiology
  - Interactions within microbial communities and between microbes and larger fauna
  - Biological responses to disturbances
- DeSSC New User Program goals:
  - Network with other deep-sea researchers
  - Gain knowledge about new technologies and logistics of deep submergence science and how to utilize and incorporate available resources for future proposals and research

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Elaine Luo
University of North Carolina-Charlotte

- microbial ecology, biogeochemistry, -omics
- microbial carbon cycling at deep-sea hydrothermal vents
- deep sea: discovering new microbial diversity + function
- meet folks in the deep-sea community + potential future collaborations

sampling using ROV Jason

Penny McCowen, USGS & University of Florida

Background:

- Studied freshwater tardigrades as an undergrad at Baker University
- Began marine bio path with Benthic Ecology Lab at USGS WARC – still working there today
- Currently a 2nd year PhD student at the University of Florida

Research Interests:

- Macrofauna community studies, especially in hydrocarbon seeps
- Biomonitoring applications of eDNA metabarcoding
- Trophic ecology and microchemistry studies on otoliths
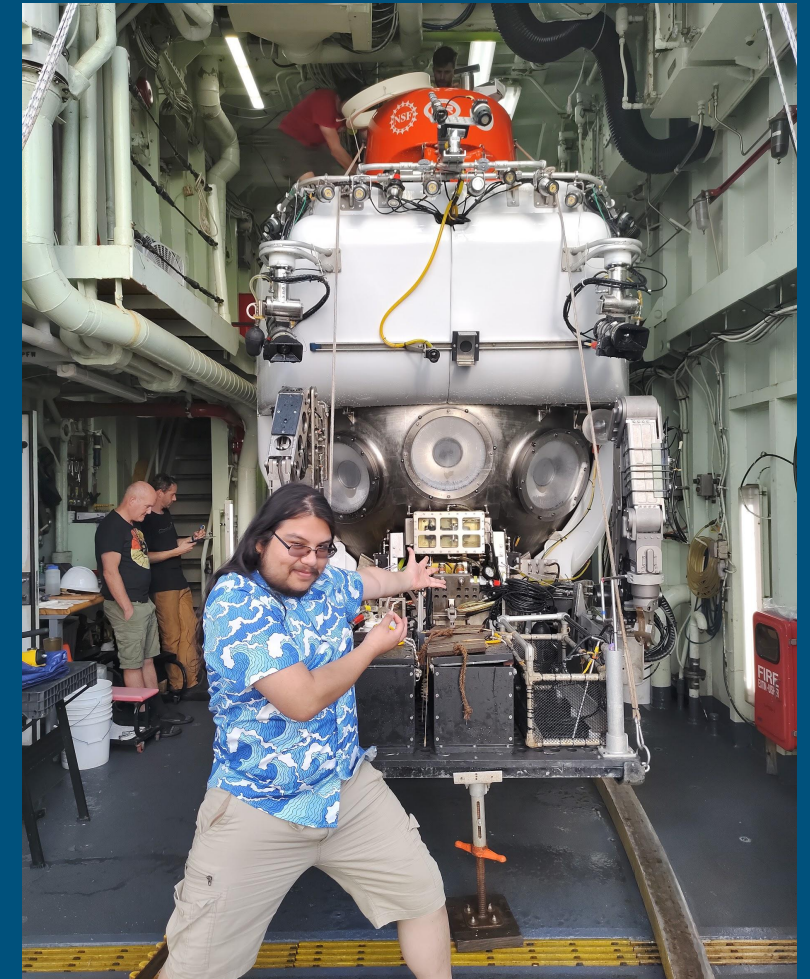
DeSSC New User Program Goals:

- Network with other deep-sea scientists
- Learn about deep submergence resources and what it takes to plan a research cruise
- Improve my grant writing and budgeting skills

Tubeworms from ROV SuBastian, RV Falkor 2019, Astoria Canyon

Michael Meneses, WHOI

- Who?
  - Currently a second-year PhD student in the MIT-WHOI Joint Program
  - Previously a marine bio nerd from Los Angeles CA
- What?
  - Benthic ecology, community assembly/structure, trophic interactions, disturbance ecology
- Why am I interested in the DeSSC New User Program?
  - Familiarize myself with proposal/grant writing and resource applications in deep submergence science
  - Gain insight into possible new directions/developments in observational study methods and instrumentation
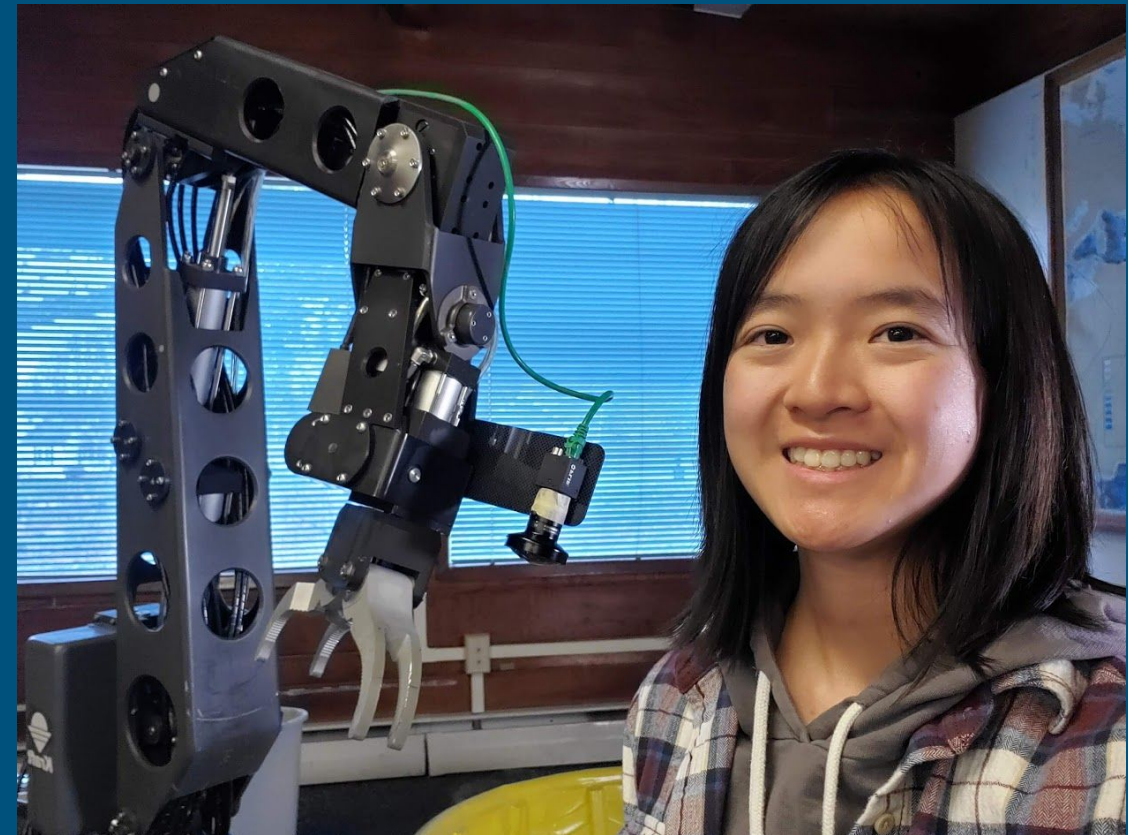 - Network with you guys

Amy Phung, WHOI

Background
- Studied robotics during undergrad, became interested in marine robotics after studying abroad with SEA semester
- Currently a second-year PhD student in the MIT-WHOI Joint Program

Research Interests
- Shared autonomy for remote manipulation, using sonar for underwater manipulation

DeSSC New User Program Goals
- Meet other deep-sea scientists & researchers
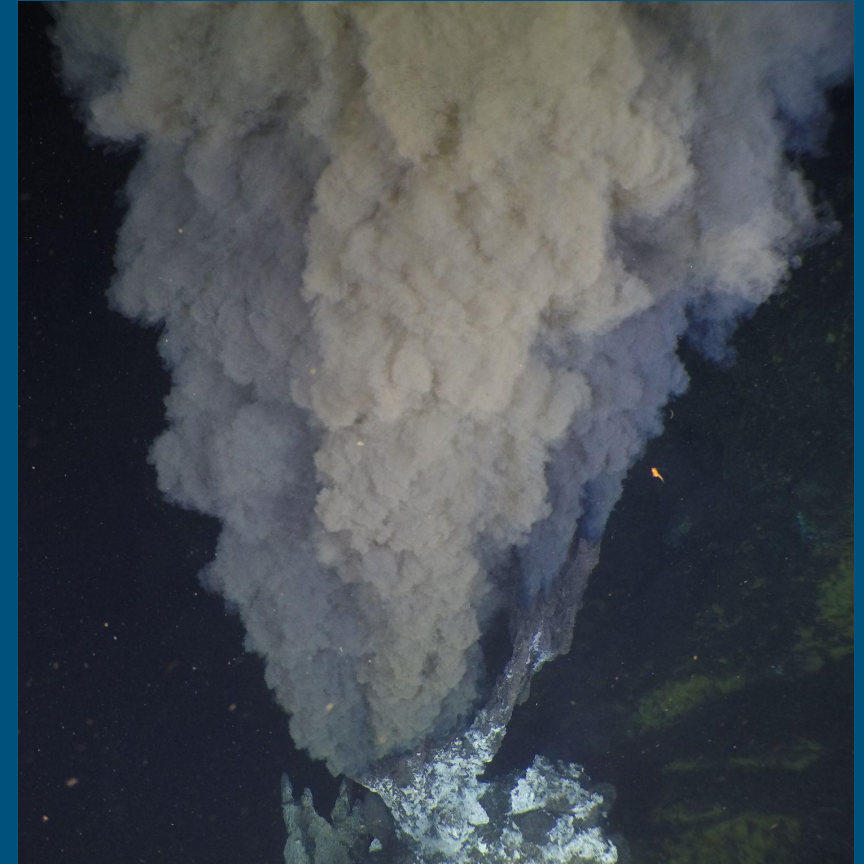- Become more familiar with the current state-of-the-art technology for deep sea research

Victoria Preston, WHOI

Background | new post-doc investigator at WHOI in Applied Ocean Physics and Engineering; roboticist

Research Interests | biogeochemical monitoring/charting, adaptive autonomous behaviors and belief-representation, human-robot collaboration

DeSSC New User Intent | connect with deep-sea researchers and project managers, understand future directions/themes for deep sea platform development, learn the logistics of applying for resources
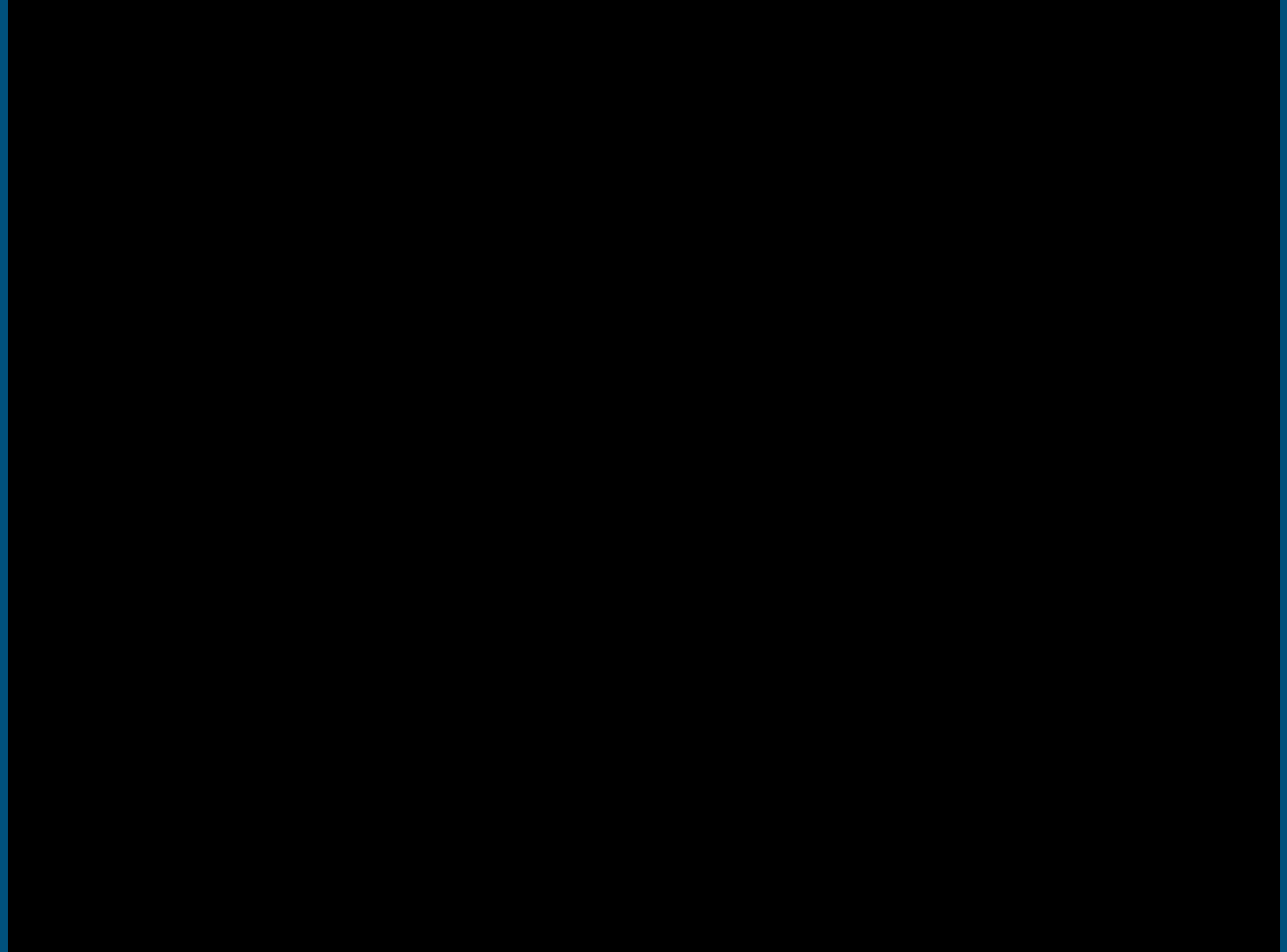

Vent from RV Revelle 2107, Guaymas Basin. ROV JASON.

Eesha Rangani, Scripps Institution of Oceanography

Background: Originally from Bangalore, India. Currently a MS student at SIO working in the Rouse Lab - Systematics of deep-sea Nereididae (Annelida) from vents, seeps & whalefalls.

Interests: Deep subsurface microbes, astrobiology, evolution and diversity, phylogenetics, role of microbes in biogeochemical cycles and implication on climate change.

DeSSC New User Program Goals: Network with the community of deep sea scientists. Understand the various funding opportunities that are available.

Claire Thomas, University of Rhode Island

- **Background:**
  - PhD at Caltech in mineral physics
  - Taught Chemistry and Physics 9th-11th grade
  - Lived in Germany for 4 years
  - Currently Marine Research Associate at URI
- **Interests:**
  - Low(er) cost robotics for exploring deep sea
  - Microbial degradation of bio-plastics
  - Tenable and effective K-12 and public outreach programs
- **DeSCC New User Program Goals:**
  - Gain knowledge about the technology and logistics of using DSV, ROV, AUV.
  - Meet excellent people excited about and involved in deep sea exploration.