



# 2019 DeSSC New User Program Participant Slides – Group 1 (A-J)

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Oregon State  
University

# **Andrea Balbas, PhD**

## **Multidisciplinary Marine Geologist**

- **Specializing in novel geochronology methods and geochemistry**
- **Looking for collaborators that need ages for geologic features, rocks, or sediments**
- **Looking for a tenure track position in an institution that values diversity**
- **Have questions about dating rocks and sediments, come talk, it's fun!**

# Kelsey Archer Barnhill



**BA Geological Sciences 2015**  
*Marine Sciences Minor*



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL

**Ocean Sciences Intern 2016**

*Channel Islands National Marine Sanctuary  
Southern California Margin*



OCEAN  
EXPLORATION  
TRUST

**Mapping Intern 2017**

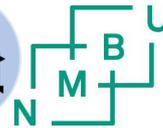
*Seafloor Mapping the National Marine  
Sanctuaries*



OCEAN  
EXPLORATION  
TRUST

**MSc Ecology 2019**

Norwegian University of Life Sciences  
*Decadal Trends & Coral Acclimatization at  
Malauka'a Fringing Reef, Kāne'ohe Bay, O'ahu*



**Science Team Member 2021**

*Namibian Deep Sea Coral Cruise*



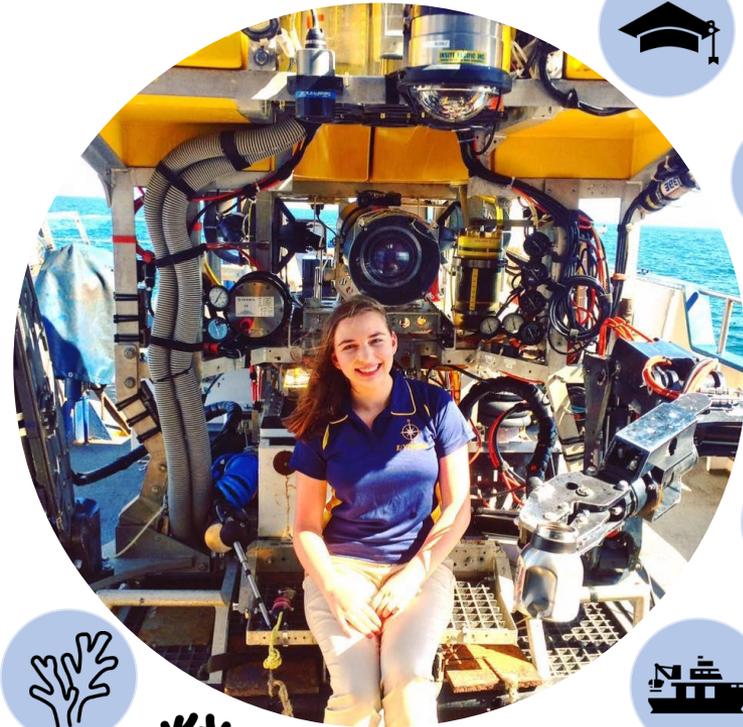
iAtlantic  
INTEGRATED ASSESSMENT OF ATLANTIC  
MARINE ECOSYSTEMS IN SPACE AND TIME

**PhD Atmospheric & Environmental Sciences 2023**

*Cold-water coral reef growth and loss in a  
changing ocean*



THE UNIVERSITY  
of EDINBURGH





DEEPi: Phillips et al.

# Jake Bonney

- Graduated May 2019 with a Bachelors in Ocean Engineering from URI.
- Currently a first semester graduate student at URI; Pursuing a Masters in Ocean Engineering.
- TA and research assistant for Professors Brennan Phillips and Jim Miller.
- Spent 3 weeks aboard the E/V Nautilus with OET as an ROV Engineering Intern in July, 2019.
- Always looking for jobs, research, cruise opportunities, etc!

# Sijia Dong

- Postdoc at Caltech (09/2019 – present)
  - PhD at USC (08/2019)

## RESEARCH INTERESTS:

- $\text{CaCO}_3$  dissolution kinetics and mechanisms;
  - Ocean alkalinity cycle;
  - Ocean acidification;
  - Carbon sequestration.

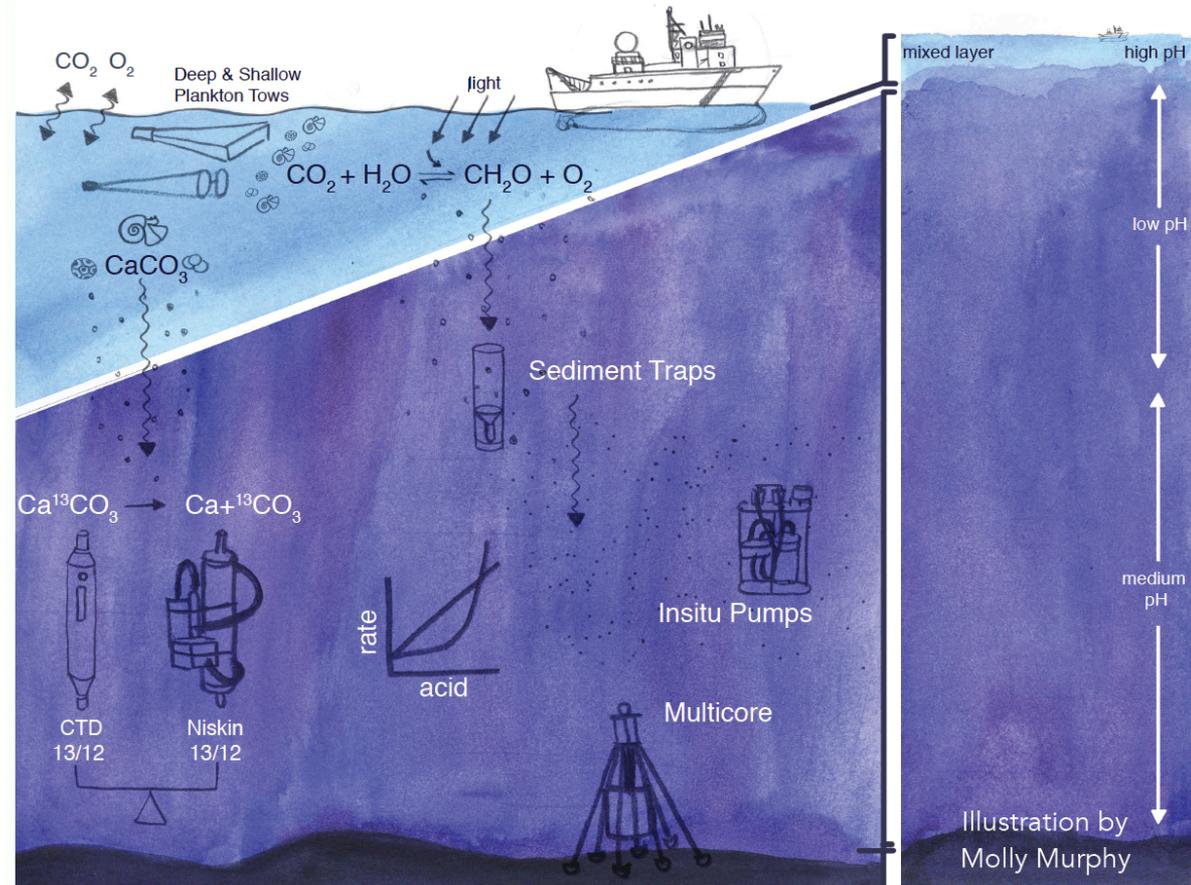
Email: [dongsj@caltech.edu](mailto:dongsj@caltech.edu)

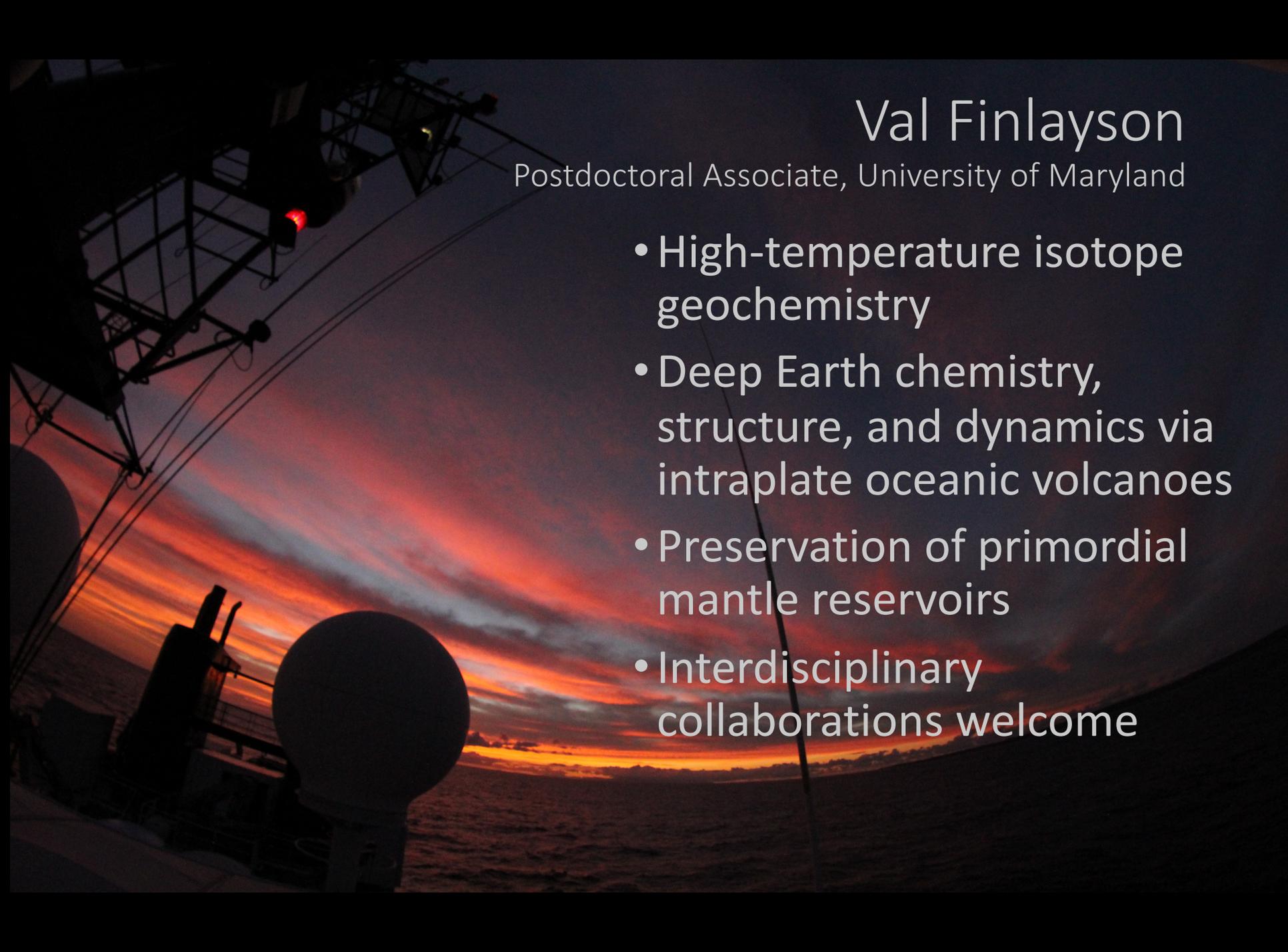


Caltech



USC University of Southern California





# Val Finlayson

Postdoctoral Associate, University of Maryland

- High-temperature isotope geochemistry
- Deep Earth chemistry, structure, and dynamics via intraplate oceanic volcanoes
- Preservation of primordial mantle reservoirs
- Interdisciplinary collaborations welcome

# Carina R. Fish

Ph.D. Candidate  
NOAA Dr. Nancy Foster Scholar  
Ford Foundation Fellow

Collaborators for

- Canyon dynamics
- Current velocities
- Sediment traps
- POM characterization
- Phytoplankton monocultures

High

(productivity/carbon)

Low

OET/ONMS

Depth gradient



# Ryan M. Fochs

- Graduate Student
  - Underwater Archaeology
- Research Foci
  - Marine Exploration & Mapping of Submerged Cultural Resources
  - Shipwreck Interpretation
  - Intersection of Marine Environmental Science, Policy, & Material Culture
- Background
  - Biological & Evolutionary Anthropology
  - Scientific & Technical Diver
  - UAV Pilot (Aerial Data Collection)
  - Research Vessel Mate/Captain

UNIVERSITY OF MIAMI  
ROSENSTIEL  
SCHOOL of MARINE &  
ATMOSPHERIC SCIENCE



 Ryan.Fochs

# Jeremy Fox

Captain  
*RV Oceanus*



## DeSSC New User Conference Goals

- Gain an understanding of NDSF vehicle requirements for shipboard integration and operation.
- Obtain an introduction to science goals and expectations for the use of NDSF vehicles.
- Meet and network with DeSSC/NDSF operations and user personnel.
- Research ROV integration and operation for upcoming cruises aboard Oceanus.
- Satisfy personal interest in ROV/AUV's and learn more about the future use in science applications.

### **RV Oceanus**

<https://ceoas.oregonstate.edu/oceanus/>

### **RCRV / RV Taani**

<https://ceoas.oregonstate.edu/ships/rcrv/>

# Michelle Hauer

- Ph.D. student at URI - Graduate School of Oceanography
- Research Interests
  - Deep sea ecology
  - Symbiosis
  - Chemosynthetic habitats
  - Free-living symbionts, transmission mechanisms, and host-symbiont recognition
- Current Research
  - Assembling the complete genome of *Alviniconcha hessleri* symbionts from the Marianas Trough in order to assess genome characteristics, gene content, and perform comparative analyses with other chemoautotrophic symbionts



Photos: Schmidt Ocean Institute and the Canadian Scientific Submersible Facility

# Ben Jordan

- Professor of Oceanography and Physical Science at Brigham Young University-Hawaii.
- Research interests:
  - Volcanic processes
  - Using drones for research and teaching
  - Coastal change on Oahu's North Shore
- I am interested in getting involved in deep sea research, which is what originally attracted me to oceanography.

