Kela Bakari, Howard University
*Population Genetics of the Invasive Mud Crab* *Rhithropanopeus harrisi* Advisor: Carolyn Tepolt, Biology

Colin Brennan, United States Naval Academy

Cassia Cai, Northwestern University
*Long-term changes in the mixed layer depth on the Northeast U.S. continental shelf* Advisor: Young-Oh Kwon, Physical Oceanography

Zaibeth Carlo-Frontera, University of Puerto Rico-Mayagüez
*Self-sustained Oscillations in 2D Thermohaline Convection* Advisor: Olivier Marchal, Geology & Geophysics, and John Whitehead, Physical Oceanography

Natalie Davis, Middlebury College
*Exploring the Taxonomic Diversity and Functional Capabilities of Microorganisms in the Kolumbo Hydrothermal Vent System* Advisor: Maria Pachiadaki, Biology

Alexa Davy, Stanford University
*Geophone and Hydrophone Data Analysis* Advisor: Erin Fischell, Applied Ocean Physics and Engineering

David Feagins, St. Mary's University
*The Acidification of Coral Reefs: Controls on the Carbonate Chemistry of a Coral Reef Lagoon* Advisors: Weifu Guo and Anne Cohen, Geology & Geophysics

Mark Goldwater, Olin College of Engineering
*Classification of Dispersive Whale Calls using a Convolutional Neural Network* Advisors: Julien Bonnel and Dan Zitterbart, Applied Ocean Physics and Engineering

Yoana Guzman Hernandez, California State University Chico
*Mathematical Modeling of Phytoplankton Community Structure as Affected by Biological and Physical Processes* Advisor: Amala Mahadevan, Physical Oceanography

Daniel Hill, Oberlin College
*Volume Weighted pCO2 and Calcium Carbonate Saturation State Distributions in the Global Ocean* Advisor: Adam Subhas, Marine Chemistry & Geochemistry
Sophie Kuhl, Brown University
*Tidal Exports of Dissolved Organic Carbon from a Coastal Salt Marsh Complex*

Jialin Li, Binghamton University
*Spatial and Temporal Near-shore Bar Dynamics Associated with White Shark Habitat*
Advisor: Chris Sherwood, US Geological Survey

Michael Meneses, University of California, Santa Barbara
*Differences in Faunal Composition between Active and Inactive Vents on the East Pacific Rise*
Advisor: Lauren Mullineaux, Biology

Thanda Newkirk, Wellesley College
*Exploring Abyssal Pathways in the Madagascar Basin*
Advisors: Alison Macdonald, Heather Furey and Viviane Meneses, Physical Oceanography

Evan Paris, Vassar College
*The Impact of Seawater on Polymetallic Nodule Biogeochemistry*
Advisor: Tristan Horner, Marine Chemistry & Geochemistry

Elena Perez, Rensselaer Polytechnic Institute
*Marine Heat Waves in the Northwest Atlantic*
Advisors: Glen Gawarkiewicz and Magdalena Andres, Physical Oceanography

Jonathan Pfeifer, Flathead Valley Community College
*Electrochemical Acidification for Dissolved Inorganic Carbon (DIC) Measurements*
Advisors: Zhaohui Aleck Wang, Marine Chemistry & Geochemistry, and Jason Kapit, Applied Ocean Physics and Engineering

Amy Phung, Olin College of Engineering
*Online, In-Situ Calibration of Underwater Hydraulic Manipulators Using a Wrist-Mounted Camera*
Advisor: Richard Camilli, Applied Ocean Physics and Engineering

Adrian Reed, Texas A&M University at Galveston
*Suitability Index for Oyster Farming in Galveston Bay*
Advisor: Hauke Kite-Powell, Marine Policy Center

Kinga Santha, University of Novi Sad
*Linking macro- and microdiversity at the Jardines de la Reina reef system, Cuba*
Advisor: Amy Apprill, Marine Chemistry & Geochemistry

Isabel Schaal, Franklin & Marshall College
*Source-to-sink micronutrient cycling between seawater, sediment, and nodules in the South Pacific Ocean*
Advisor: Ann Dunlea, Marine Chemistry & Geochemistry
Zoe Screwvala, University of South Carolina
*Coastal Ice Dynamics on the Antarctic Continental Shelf*
Advisor: Catherine Walker, Applied Ocean Physics and Engineering

Leena Sen, Cornell University
*Do Freshwater Foraminifera Disturb Stromatolite Layers?*
Advisors: Joan Bernhard and Veronique LeRoux, Geology & Geophysics

Amelia Smith, Hobart and William Smith Colleges
*Larval Development of Stalked Crinoids*
Advisor: Kirstin Meyer-Kaiser, Biology

Oreoluwa Solanke, Columbia University
*Quantifying the biogeochemical role of marine microbes in the Sargasso Sea*
Advisor: Hyewon Heather Kim, Marine Chemistry & Geochemistry

Joshua Zahner, University of Miami
*Impacts of Changing Environmental Conditions on Larval Fish Dispersal and Population Connectivity*
Advisors: Rubao Ji and Joel Llopiz, Biology