



Ocean Observatories Education

Presentation to the OOI FB

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Updates since May 2020

- Workshops:

- K12 Ocean Observatories Initiative (OOI) Workshop Series Award 2122351; Kareen Borders, South Kitsap School District and Deb Kelley, University of Washington
 - Goals: developing teacher cohort & lesson plans using OOI RCA data in classrooms
 - starts next week with virtual and in-person sessions through 2022
- OceanHackWeek Award 2038697 Emilio Mayorga, Wu-Jung Lee, University of Washington and Nick Record, Catherine Mitchell, Bigelow
 - 2020 Virtual and 2021 Hybrid summer workshops
- OOI Biogeochemical Sensor Data Workshop Award 2033988; Sophie Clayton (ODU); Hilary Palevsky (Boston College); Heather Benway (WHOI)
 - On-line meeting in July 2021
 - In-person meeting scheduled for June 2022 during Ocean Carbon & Biogeochemistry (OCB) workshop in Woods Hole, MA,

Updates since May 2020 (con't)

- Course Development:

- Supplement to Rutgers for second cohort of faculty to develop online lab manual, Version 2.0 <https://datalab.marine.rutgers.edu/ooi-lab-exercises/>
- CAREER: Temporal dynamics of microbial and viral function and adaptation in hydrothermal vents
Award 2045697; Rika Anderson, Carleton College
 - Microbial monitoring using OOI RCA remote samplers at Axial Seamount
- Improving Undergraduate Scientific Explanations: Exploring the Role of Data Literacy Skills in Scientific Reasoning
Award 2021347; Kathleen Browne, Rider University & Sage Lichtenwalner, Rutgers
 - developing the instructional materials and piloting assessment instruments.

Updates since May 2020 (con't)

- Other (GeoPaths and REU Sites):
 - RAISE: Guiding Earth Educators to Transformative Resources: Broadening the Scope and Increasing the Efficacy of the SERC Discovery System; Award 2034189
Sean Fox, Cathryn Manduca, Ellen Iverson, Cailin Orr, Carleton College
 - OOI Data used for multiple REU student projects in 2020 and 2021

Future OOI Education proposals

OCE Education is encouraging proposals to use OOI for education projects:

- DCL for Workshops is still active NSF 20-047;
- Submit to Ocean Education via PAPPG 21-1

Other programs of Interest:

- Improving Undergraduate STEM Education
- GEOPATHS
- Advanced Technology Education
- CAREER

