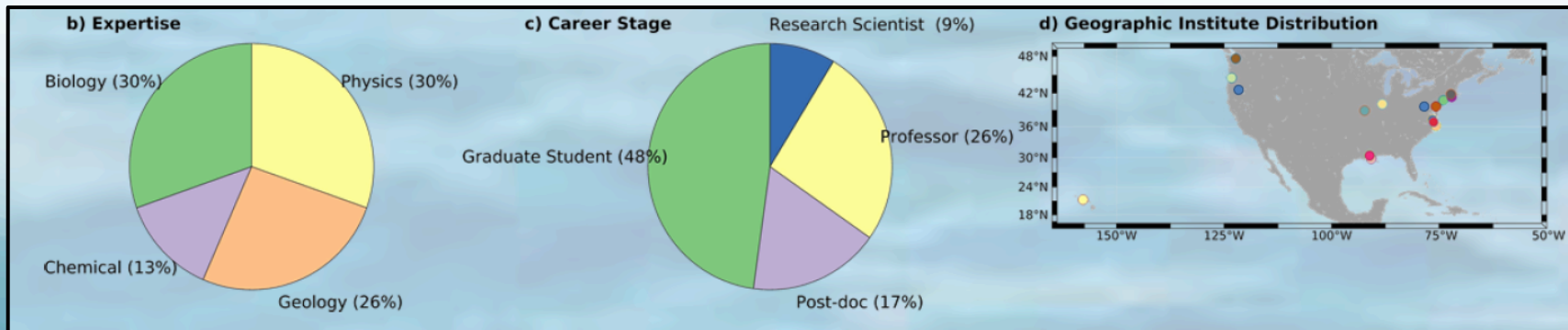


# Early Career Scientist (ECS) Group

Fall 2020

# Background

- Rutgers Discipline Specific Workshops + Interdisciplinary Workshop in Washington DC - Summer/Fall 2018
- Early Career Workshop – May 2019



# Activity

- Past Efforts
  - Poster at OceanObs Meeting in Honolulu - 2019
  - Town Hall at Ocean Science Meeting, San Diego - 2020
  - NE/SE regional GSA- Canceled COVID - 19
  - K. Fogaren + C. Russoniello mentors for Data Labs Summer REU Program
- Current Efforts
  - Levine, R., K. Fogaren, J. Rudzin, C. Russoniello, D. Soule, J. M. Whitaker. 2020, Open data, collaborative working platforms, and interdisciplinary collaboration: building an Early Career Scientist community of practice to leverage Ocean Observatories Initiative data to address critical questions in marine science – *Frontiers in Marine Science*, Submitted 8/7/2020

# New NSF-funded project: OOI Biogeochemical Sensor Data Workshop



*Coming Summer 2021, format TBD*

- 1) Develop guidelines and best practices for using OOI biogeochemical sensor data
- 2) Build a community of practice among workshop participants

Array	Platform	Oxygen <i>Aanderaa</i>	Oxygen <i>SeaBird</i>	Nitrate <i>Satlinic SUNA/SUS</i>	pH <i>Sunburst SAMI</i>	pCO <sub>2</sub> <i>Sunburst SAMI</i>	pCO <sub>2</sub> <i>Pro- Oceanus</i>	Chlorophyll & backscatter <i>WeiLabs</i>
Global	Fixed	7	0	2	4	4	1	7
	Profiler	2	0	0	0	0	0	2
	Gliders	2	0	1	0	0	0	2
Pioneer	Fixed	6	0	3	6	3	3	3
	Profiler	0	7	0	0	0	0	7
	Gliders	2	0	2	0	0	0	2
Endurance	Fixed	12	0	6	12	8	4	8
	Profiler	6	2	5	2	2	0	7
	Gliders	2	0	0	0	0	0	2
Cabled	Fixed	4	0	0	2	0	0	2
	Profiler	2	2	2	2	2	0	4
OOI program total		72	11	28	38	27	10	73



# Related Activity

- Whitaker & Fogaren, collaborative research project comparing environmental DNA samples from 2 cruises in context of environmental parameters from Oregon Line of the Coastal Endurance Array
- Xu, Bemis and Soule, Collaborative Research: From Magma to Vents: Monitoring Hydrothermal Fluid Temperature and Crustal Permeability in Relation to Magma Movement at Axial Seamount - Submitted NSF 6/2020
- Professional Development & Networking

# Challenges

- Funding Resources
  - Internal funding is constrained
  - Some startups have been frozen
- Community Status
  - Activity has decreased
  - Mechanisms for renewal are a challenge
  - OOI focused projects have suffered from competition from other funded activities