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PROFESSIONAL PREPARATION

2023 - present	Assistant Professor Texas A&M University, College Station, TX Department of Oceanography
2020 - 2022	Postdoctoral Research Investigator Woods Hole Oceanographic Institution, Woods Hole, MA <i>Marine Chemistry & Geochemistry</i> , PI: Dr. Julie Huber
2018 - 2020	Postdoctoral Research Fellow, Center for Dark Energy Biosphere Investigations Woods Hole Oceanographic Institution, Woods Hole, MA <i>Marine Chemistry & Geochemistry</i> , PI: Dr. Julie Huber
2018	Postdoctoral Research Associate University of Southern California, Los Angeles, CA <i>Marine Environmental Biology</i> , PI: Dr. David Caron
2018	Ph.D. Marine Biology and Biological Oceanography University of Southern California, Los Angeles, CA <i>Marine Environmental Biology</i> , Dissertation advisor: Dr. David Caron
2011	B.S. Aquatic & Fishery Sciences, Minor: Microbiology University of Washington, Seattle, MA

PUBLICATIONS

1. Krinos, A.I., Mars Brisbin, M., **Hu, S.K.**, Cohen N.R., Ryneerson, T.A., Follows, M.J., Schulz, F., & Alexander, H. (2024) Missing Microbial Eukaryotes and Misleading Meta-Omic Conclusions. *Nature Communications*; 15 (1): 9873. <https://doi.org/10.1038/s41467-024-52212-w>.
2. **Hu S. K.**, Anderson R.E., Pachiadaki M.G., Edgcomb V.P., Serres M.H., Sylva S.P., German, C.R., Seewald, J.S., Lang, S.Q., & Huber, J.A. (2024). Microbial eukaryotic predation pressure and biomass at deep-sea hydrothermal vents. *ISME Journal*; 18.
3. Gleich S.J., **Hu S.K.**, Krinos A.I., & Caron D.A. (2024) Protistan community composition and metabolism in the North Pacific Subtropical Gyre: Influences of mesoscale eddies and depth. *Environmental Microbiology*; 26: e16556.
4. Beckett S.J., Demory D., Coenen A.R., Casey J.R., Dugenne M., Follett C.L., Connell P., Carlson M.C.G., **Hu S.K.**, & 12 others. (2024) Disentangling top-down drivers of mortality underlying diel population dynamics of *Prochlorococcus* in the North Pacific Subtropical Gyre. *Nature Communications*; 15: 2105.
5. Ollison, G.A., **Hu, S.K.**, Hopper, J.V., Stewart, B.P., Beatty, J.L., & Caron, D.A. (2023). Physiology governing diatom vs. dinoflagellate bloom and decline in coastal Santa Monica Bay. *Frontiers in Microbiology*; 14. <https://doi.org/10.3389/fmicb.2023.1287326>
6. Alexander, H., **Hu, S.K.**, Krinos, A.I., Pachiadaki, M., Tully, B.J., Neely, C.J., & Reiter, T. (2023) Eukaryotic genomes from a global metagenomic data set illuminate trophic modes and biogeography of ocean plankton. *mBio*; e0167623. DOI: 10.1128/mbio.01676-23
7. **Hu, S. K.**, Smith, A., Anderson, R., Sylva, S., Setzer, M., Steadmon, M., Frank, K., Chan, E., Lim, D., German, C., Breier, J.A., Lang, S.Q., Butterfield, D., Fortunato, C.S., Seewald, J., & Huber, J.A. (2022) Globally-distributed microbial eukaryotes exhibit endemism at deep-sea hydrothermal vents. *Molecular Ecology*; 32(23). DOI: 10.1111/mec.16745

8. Hammond, S.W., Lodolo, L., **Hu, S.K.**, & Pasulka, A.L. (2022) Methodological ‘lenses’ influence the characterization of phytoplankton dynamics in a coastal upwelling ecosystem. *Environmental Microbiology Reports*; DOI: 10.1111/1758-2229.13116.
9. Cohen, N.R., Alexander, H., Krinos, A.I., **Hu, S.K.**, and Lampe, R.H. (2022) Marine Microeukaryote Metatranscriptomics: Sample Processing and Bioinformatic Workflow Recommendations for Ecological Applications. *Frontiers in Marine Science*; 9: 867007.
10. Ollison, G.A., **Hu, S.K.**, Hopper, J.V., Stewart, B.P., Smith, J., Beatty, J.L., Rink, L.K., & Caron, D.A. (2022) Daily dynamics of contrasting spring algal blooms in Santa Monica Bay (central Southern California Bight). *Environmental Microbiology*; 1462-2920.16137.
11. Tully, B.J., Buongiorno, J., Cohen, A.B., Cram, J.A., Garber, A.I., **Hu, S.K.**, & 10 others. (2021) The Bioinformatics Virtual Coordination Network: an open-source and interactive learning environment. *Frontiers in Education*; 6:711618. DOI: 10.3389/feduc.2021.711618
12. **Hu, S.K.**, Herrera, E., Smith, A., Pachiadaki, M.G., Edgcomb, V.P., Sylva, S.P., Chan E.W., Seewald, J.S., German, C.R., & Huber, J.A. (2021) Protistan grazing impacts microbial communities and carbon cycling at deep-sea hydrothermal vents. *Proceedings of the National Academy of Sciences*; 118(29). DOI: 10.1073/pnas.2102674118
13. Ollison G., **Hu, S.K.**, Mesrop, L.Y., Delong, E. & Caron, D. A. (2021) Come Rain or Shine: Depth Not Season Shapes the Protistan Community at Station ALOHA in the North Pacific Subtropical Gyre. *Deep-Sea Research Part I: Oceanographic Research Papers*; 120, 103494. DOI: 10.1016/j.dsr.2021.103494
14. Coesel, S.N., Durham, B.P., Groussman, R.D., **Hu, S.K.**, Caron, D.A., Morales, R.L., Ribalet, F., & Armbrust, E. V. (2021) Diel transcriptional oscillations of light-sensitive regulatory elements in open-ocean eukaryotic plankton communities. *Proceedings of the National Academy of Sciences*; 118(12). DOI: 10.1073/pnas.2011038118
15. Krinos, A., **Hu, S.K.**, Cohen, N.R. & Alexander, H. (2021) EUKulele: Taxonomic annotation of the unsung eukaryotic microbes. *Journal of Open Source Software*; 6(57), 2817. DOI: 10.21105/joss.02817
16. Coenen, A.R., **Hu, S.K.**, Luo, E., Muratore, D., and Weitz, J.S. (2020) A Primer for Microbiome Time-Series Analysis. *Frontiers in Genetics*; 11(310). DOI: 10.3389/fgene.2020.00310
17. Boeuf, D., Edwards, B.R., Eppley, J.M., **Hu, S.K.**, Poff, K.E., Romano, A.E., Caron, D.A., Karl, D.M., & DeLong, E.F. (2019) Biological composition and microbial dynamics of sinking particulate organic matter at abyssal depths in the oligotrophic open ocean. *Proceedings of the National Academy of Sciences*; 116(24): 11824–11832. DOI: 10.1073/pnas.1903080116
18. Liu, Z., Mesrop, L.Y., **Hu, S.K.**, & Caron, D.A. (2019) Transcriptome of *Thalassicolla nucleata* Holobiont Reveals Details of a Radiolarian Symbiotic Relationship. *Frontiers in Marine Science* 6(284). DOI: 10.3389/fmars.2019.00284.
19. Pasulka, A., **Hu, S.K.**, Countway, P.D., Coyne, K.J., Cary, S.C., Heidelberg, K.B., & Caron, D.A. (2019) SSU rRNA Gene Sequencing Survey of Benthic Microbial Eukaryotes from Guaymas Basin Hydrothermal Vent. *Journal of Eukaryotic Microbiology*; 66(4):637-653. DOI: 10.1111/jeu.12711
20. Caron, D.A. & **Hu, S.K.** (2019) Are We Overestimating Protistan Diversity in Nature? *Trends in Microbiology*; 27(3): 197–205. DOI: 10.1016/j.tim.2018.10.009
21. **Hu, S.K.**, Liu, Z., Alexander, H., Campbell, V., Connell, P.E., Dyhrman, S.T., Heidelberg, K.B., & Caron, D.A. (2018) Shifting metabolic priorities among key protistan taxa within and below the euphotic zone. *Environmental Microbiology*; 20: 2865–2879.
22. **Hu, S.K.**, Paige E. Connell, Mesrop, L.Y., & Caron, D.A. (2018) A Hard Day’s Night: Diel Shifts in Microbial Eukaryotic Activity in the North Pacific Subtropical Gyre. *Frontiers in Marine Science*; 5(251). DOI: 10.3389/fmars.2018.00351
23. Liu, Z., **Hu, S.K.**, Campbell, V., Tatters, A.O., Heidelberg, K.B., & Caron, D.A. (2017) Single-cell transcriptomics of small microbial eukaryotes: limitations and potential. *ISME Journal*; 11: 1282–1285.

24. Connell, P.E., Campbell, V., Gellene, A.G., **Hu, S.K.**, & Caron, D.A. (2017) Planktonic food web structure at a coastal time-series site: II. Spatiotemporal variability of microbial trophic activities. *Deep-Sea Research Part I: Oceanographic Research Papers*; 121: 210–223.
25. **Hu, S.K.**, Campbell, V., Connell, P., Gellene, A.G., Liu, Z., Terrado, R., & Caron, D.A. (2016) Protistan diversity and activity inferred from RNA and DNA at a coastal ocean site in the eastern North Pacific. *FEMS Microbiology Ecology*; 92(4). DOI: 10.1093/femsec/fiw050
26. **Hu, S.K.**, Liu, Z., Lie, A.A.Y., Countway, P.D., Kim, D.Y., Jones, A.C., & 5 others. (2015) Estimating Protistan Diversity Using High-Throughput Sequencing. *Journal of Eukaryotic Microbiology*; 62: 688–693. DOI: 10.1111/jeu.12217
27. Lie, A.A.Y., Liu, Z., **Hu, S.K.**, Jones, A.C., Kim, D.Y., Countway, P.D., & 6 others. (2014) Investigating Microbial Eukaryotic Diversity from a Global Census: Insights from a Comparison of Pyrotag and Full-Length Sequences of 18S rRNA Genes. *Applied and Environmental Microbiology*; 80(14):4363. DOI: 10.1128/AEM.00057-

NON-REFEREED PUBLICATIONS

1. Goordial, J., **Hu, S.**, & Tully, B. (2020). C-DEBI NextGen 2019 Early Career perspective on ‘What’s Next?’: Upcoming Challenges and Opportunities. DOI: 10.31219/osf.io/7xkpg
2. Lim, Darlene S.S., Raineault, N.A., Brier, J.A., Chan, E., Chernov, J., Cohen, T., Deans, M., Garcia, A., German, C. R., Hauer, M., **Hu, S.K.**, Huber, J.A., Kane, R., Kobs Nawotniak, S., Lees, D., Lowe, J., Lubetkin, M., Marsh, L., Milesi, V., Miller, M., Miramalek, Z., Saunders, M., Sharif, K., Shields, A., Shock, E., Smith, A.R., and Sylva, S. (2020), SUBSEA 2019 Expedition to the Gorda Ridge, *Oceanography* 33(1), Supplement Pages 36 – 37.

IN PROGRESS PUBLICATIONS (*In Review* | *Accepted*)

1. Gleich, S. J., Mesrop, L. Y., Cram, J. A., Weissman, J. L., **Hu, S. K.**, Yeh, Y., Fuhrman, J. A., & Caron, D. A. (2024) With a little help from my friends: Importance of protist-protist interactions in structuring marine protistan communities in the San Pedro Channel. (*Accepted at mSystems*)

PRESENTATIONS & POSTERS

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| 2025 | Deep Sea Biology Symposium, Hong Kong, China (<i>Oral presentation</i>) |
| 2024 | American Society of Microbiology – Texas Branch Meeting, Galveston, TX (<i>Invited speaker</i>) |
| | Ocean Sciences Meeting, New Orleans, LA (<i>Oral presentation</i>) |
| | School of Oceanography, University of Washington (<i>Invited speaker</i>) |
| | Nature Portfolio: Oceans Community, Ecology and Evolution meeting (<i>Invited speaker</i>) |
| 2023 | Horn Point Laboratory, University of Maryland Center for Environmental Science (<i>Invited speaker</i>) |
| | Department of Biology, University of Louisiana at Lafayette, Lafayette, LA (<i>Invited speaker</i>) |
| | Marine Biology & Marine Science Seminar, Galveston, TX (<i>Invited speaker</i>) |
| 2022 | Marine Microbes Gordon Research Conference, Les Diablerets, Switzerland (<i>Invited speaker</i>) |
| 2021 | Department of Oceanography, Texas A&M University, College Station, TX (<i>Invited speaker</i>) |
| | BioGeoSCAPES scoping workshop (<i>Invited speaker</i>) |
| | Deep-Sea Biology Society Symposium, Brest, FR (<i>Oral presentation</i>) |
| | OSU Microbiology Spring Research Symposium, Corvallis, OR (<i>Invited speaker</i>) |
| | Microbiology Society Annual Conference, UK (<i>Invited speaker</i>) |
| | University of Rhode Island GSO Department seminar, Narragansett, RI (<i>Invited speaker</i>) |
| 2020 | WHOI Biology Department, Woods Hole, MA (<i>Invited speaker</i>) |
| | WHOI Postdoctoral Symposium, Woods Hole, MA (<i>Oral presentation</i>) |
| | Global Environmental Microbiology Summer Course, Los Angeles, CA (<i>Guest lecture</i>) |
| | WHOI Marine Chemistry & Geochemistry Department, Woods Hole, MA (<i>Invited speaker</i>) |
| | UGA Skidaway Department Seminar, Savannah, GA (<i>Invited speaker</i>) |
| | Ocean Sciences Meeting, San Diego, CA (<i>Oral presentation</i>) |
| 2019 | C-DEBI Annual Meeting, Monterey, CA (<i>Oral presentation</i>) |

- WHOI Postdoctoral Symposium, Woods Hole, MA (*Oral presentation*)
- 2018 C-DEBI Annual Meeting, Monterey, CA (*Poster presentation*)
 Ocean Sciences Meeting, Portland, OR (*Oral presentation*)
 PhD dissertation defense, Los Angeles, CA (*Oral presentation*)
- 2017 WiSE STEM Bytes Seminar, Los Angeles, CA (*Invited speaker*)
 Biology department seminar, Cal Poly Pomona, CA (*Invited speaker*)
 Ocean Sciences Meeting, Honolulu, HI (*Poster presentation*)
 Graduate student department seminar, Los Angeles, CA (*Oral presentation*)
- 2016 Graduate student department seminar, Los Angeles, CA (*Oral presentation*)
 A New Age of Discovery: Aquatic Microeukaryotes, Heidelberg, Germany (*Poster presentation*)
- 2015 San Pedro Ocean Time-series station workshop, Los Angeles, CA (*Oral presentation*)
- 2014 Graduate student department seminar, Los Angeles, CA (*Oral presentation*)
 Gordon Conference: Marine Microbes, Waltham, MA (*Poster presentation*)
- 2013 International Congress of Protistology, Vancouver, B.C. (*Poster presentation*)

MENTORSHIP

Advisees

Alexis Adams	PhD student, TAMU Oceanography	July 2023 – present
Kayla Nedd	PhD student, TAMU Oceanography	July 2023 – present
Erica Herrera	Undergraduate fellow, WHOI	May – August 2019
Collin Hebner	Undergraduate intern, TAMU	September – December 2023
Abby Day	Undergraduate Researcher, TAMU	January 2024 – present
Madeleine Lerma	Undergraduate Researcher, TAMU	January 2024 – present
Meagan Sonsel	Undergraduate Researcher, TAMU	January 2024 – present
Siddarth Seshampally	Undergraduate Researcher, TAMU	January 2024 – present

Committee Member

Demi Carballosa	MS, TAMUG Marine Biology	January 2024 – present
Royoung Park	MS, TAMUG Marine Biology	December 2023 – 2024
Murray Stokes	PhD, TAMU Oceanography	September 2024 – present

TEACHING

- 2025 **Biological Oceanography** (OCNG 620) – Foundational core course in principles of biological oceanography for graduate students. Spring semester 2025.
- 2024 *Guest lecture* – Deep-sea food webs OCNG course, College Station, TX
Guest lecture - Hydrothermal Vents OCNG course, College Station, TX
Introduction to R programming language – 2-day workshop on introduction to R programming for the summer internship program at WHOI for community college students.
Scientific Writing in Oceanography (OCNG 689) – Scientific writing course for graduate students focused on writing peer-reviewed research articles, proposal construction, and writing productivity. Spring semester 2024.
- 2023 **The Blue Planet** (OCNG 251) – Introductory Oceanography course for undergraduate non-Oceanography majors at Texas A&M University. Fall semester 2023.
Introduction to R programming language – 1-day workshop introduction to R programming. Open to graduate students in Oceanography at Texas A&M University.
- 2021 **Advanced data visualization in R** – One day workshop open for technical staff, scientists, students, and postdocs at WHOI. Taught methods in data visualization and ways to make figures in R.

- Introduction to R programming language** – 4-day workshop introduction to R programming. Open to summer students and interns, and students and postdocs at WHOI.
- Certified Software Carpentries Instructor** – Completed training specific to teaching bioinformatics and coding through Software Carpentries. Teaches workshops in the R programming language and application of R for ecological studies at WHOI.
- 2020 **Guest lecturer MESA Community College** – Introduction to deep-sea hydrothermal vents and hydrothermal vent food web ecology.
- Instructor for Bioinformatics Virtual Coordination Network** – Lead instructor and organizer for the R coding topic of the BCVN effort. BVCN was launched at the start of the COVID-19 pandemic, when in-person work at research labs was suspended. BVCN is an open-access online educational resource for learning computational methods and bioinformatics.
- 2013 **Teaching Assistant** – Introduction to Microbiology, USC
- 2013 **NSF REU Mentor** – Mentor for undergraduate students, USC
- 2012 **Teaching Assistant** – Organismal Biology and Evolution, USC

PROFESSIONAL ACTIVITIES & SERVICE

- 2024 **Metaeukomics** – Co-lead for the Ocean Carbon Biogeochemistry small group activity. We are hosting community webinars and hackathons for an intercalibration efforts for eukaryotic metatranscriptome best practices.
- 2023 **NSF Biological Oceanography** – Panel member for peer reviewing proposals submitted to NSF's Biological Oceanography program.
- 2021 **URGE Leader & DEI actions at WHOI** – Led discussion group for Unlearning Racism in the Geosciences to deepen the community's understanding of racism on historically excluded people in STEM. Developing department and institution-wide anti-racist policies and strategies at WHOI.
- 2020 **Ocean Sciences Meeting session co-chair** – Primary liaison for session entitled: Coupling meta'omics and biochemical measurements to understand trophic strategies or physiological adaptations among marine organisms (micro- to macro-)
- 2019 **C-DEBI Early Career Workshop** – Organizer and participant for workshop devoted to enhancing early career scientists' success related to deep-sea research. Outcomes include white paper addressing challenges in deep biosphere research and proposals.
- 2019 **NSF Ideas Lab EukHiTS** – Workshop participant on *Research Frontiers and Grand Challenges in Microbial Eukaryote -Omics*. Outcomes: lead author and co-author on opinion and review manuscripts, respectively.
- 2018 **Ecological Dissertations in Aquatic Sciences** – Participant, microbial group leader. Outcomes: lead author and co-author on perspective and review manuscripts, respectively.
- 2014-present **Invited peer reviewer** – including: *ISME Journal*, *Nature Communications*, *Molecular Ecology*, *Environmental Microbiology*, *Aquatic Microbial Ecology*, *mSystems*, *Deep Sea Research II*, & *Limnology & Oceanography*
- 2017 **WiSE Guest Speaker** – Presenter and panelist for Women in STEM group, USC
- 2017-2019 **Protocols.io** – Ambassador, protist working group, & contributor
- 2016-2018 **Co-founder & Chair Grad Student Association** – USC
- 2015- 2017 **Graduate student faculty liaison** – USC
- 2016 **Invited Speaker** – Yorkdale Elementary, LA
- 2015 **Invited Speaker** – Panelist for careers in STEM; Port of Los Angeles High School, LA

Presenter – Introduction to microscopy and protistology; Chattanooga High School, USC
 2011-2012 **Marine Technologist I** – Scientific diver – UW SAFS, Seattle, WA
 2010-2011 **Research Intern** – Northwest Fisheries Science Center, NOAA, Seattle, WA
 2009-2010 **Research Intern** – Fisheries Acoustics Research Lab, UW SAFS, Seattle, WA

SELECTED GRANTS, AWARDS, & FELLOWSHIPS

2025	College of Arts and Sciences Undergraduate Research Program, Texas A&M University PI, 01/01/2025 – 06/31/2025 (\$2,340) <i>Internal proposal:</i> Deep-sea hydrothermal vent microbial populations in microcolonizers College of Arts and Sciences Undergraduate Research Program, Texas A&M University PI, 01/01/2025 – 06/31/2025 (\$2,340) <i>Internal proposal:</i> Daily to Seasonal patterns of microplankton in the Gulf of Mexico
2024	College of Arts and Sciences Undergraduate Research Program, Texas A&M University PI, 09/01/2024 – 12/31/2024 (\$2,600) <i>Internal proposal:</i> Investigations of coastal to offshore microeukaryotic community structure & diversity in the Gulf of Mexico
2023	College of Arts and Sciences Undergraduate Research Program, Texas A&M University PI, 01/01/2024 – 08/01/2024 (\$2,784) <i>Internal proposal:</i> Exploring the elusive microeukaryotes of the deep ocean College of Arts and Sciences Undergraduate Research Program, Texas A&M University PI, 08/14/2023-12/31/2023; Co-PIs: S. Coy, L. Campbell (\$2,332) <i>Internal proposal:</i> Illuminating viral dark matter: assaying RNA virus infection rates Microscopy and Imaging Center, Texas A&M University PI, 03/01/2023-03/01/2024 (\$600) <i>Internal proposal:</i> Seek & seq: Exploring novel protistan biology & morphology at deep-sea hydrothermal vents
2022	NSF OCE – PI, 06/01/2022 – 06/30/2024 (\$341,325) <i>Proposal title:</i> Collaborative Research: Microbes need frenemies: unveiling microbial relationships with protists and viruses that support deep-sea hydrothermal vent food webs
2020	International Society for Evolutionary Protistology Prize for Creativity in Online Presentation (\$200) – ISEP
2019	NSF OCE – Named Postdoctoral Investigator <i>Proposal title:</i> Characterizing and quantifying the impact of phagotrophic protists at hot spots of primary production at Axial Seamount
2019	Schmidt Ocean Institute (<i>Ship time</i>) – Co-PI <i>Proposal title:</i> Characterizing and quantifying the impact of phagotrophic protists at hot spots of primary production at deep-sea hydrothermal vents
2018-2020	C-DEBI Postdoctoral Fellowship (\$58,000/year) – WHOI
2018	Katrina J. Edwards Memorial Dissertation Award (\$500) – USC
2017-2018	Tyler Environmental Fellowship for PhD students (\$28,500) – USC
2016-2017	WiSE Merit Award for Current Doctoral Students (\$1,500) – USC
2013-2016	WiSE Travel Grants (Total \$1,500) – USC
2014	Graduate Student Travel Grant (\$500) – USC
2014	Honorable Mention – NSF Graduate Research Fellowship Program
2013	USC Wrigley Summer Fellowship – WIES, Catalina Island, CA
2012	Outstanding Teaching Assistant Award – USC (General Biology)

MAJOR FIELD OPERATIONS

2023	PROTATAX (Protists at Axial Seamount) – RV Thomas G. Thompson
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As Co-Chief Scientist: Deployment of instrumentation to carry out *in situ* grazing experiments with the miniSID. ROV Jason dives to explore Axial Seamount and collect samples for shipboard experiments and vent fluid collection for downstream metagenomics and metatranscriptomics.

Support: NSF

- 2022 **PROTATAX (Protists at Axial Seamount)** – RV Thomas G. Thompson
Deployment of instrumentation to carry out *in situ* grazing experiments with the miniSID. ROV Jason dives to explore Axial Seamount and collect samples for shipboard experiments and vent fluid collection for downstream metagenomics and metatranscriptomics. Support: NSF *Cruise not completed, due to COVID-19.*
- 2020 **Mid-Cayman Rise Hydrothermal Vent** – RV Atlantis
Exploration of Von Damm and Piccard hydrothermal vent fields using ROV Jason. Support: NSF, NASA, WHOI
- 2019 **Gorda Ridge Hydrothermal Vent** – EV Nautilus
Investigated hydrothermal vent associated microbial populations using ROV Hercules. Support: NASA SUBSEA, NOAA, WHOI, URI, OET
- 2018 **Daily Santa Monica Pier Sampling** – Santa Monica, CA
Planned, organized, and led daily field sampling for several weeks to monitor spring-time coastal algal blooms. Support: NSF
- 2018 **Hawaii Ocean Time-series #300** – RV Kilo Moana
Conducted plankton tows and sample collection to sort single cells belonging to the Rhizaria group of microbial eukaryotes. Support: Simons Foundation
- 2015 **Hawaii Ocean Time-series #273** – RV Kilo Moana
Participated in regular monthly sampling for the long-running time series program at station ALOHA. Conducted size fractionation and water sample collection to study the seasonal and spatial changes of microbial eukaryotic populations in the oligotrophic ocean. Support: Simons Foundation
- 2012-2014 **Dimensions of Biodiversity** – RV Yellowfin & Wrigley Marine Science Center
Planned, organized, and led seasonal operations to conduct grazing and growth experiments and molecular surveys of microbial eukaryotes at the Port of Los Angeles, the SPOT station, and Catalina Island. Support: NSF
- 2012-2018 **San Pedro Ocean Time-series program** – RV Yellowfin
Planned, organized, and led monthly operations at the coastal time-series site (SPOT station). Monthly cruises sampled the entire water column mid-way between the Port of Los Angeles and Catalina Island. Support: NSF
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