

Nicholas Baetge

Postdoctoral Scholar (he, him)

Education

- 2014–2021 Ph.D. UC Santa Barbara, Ecology, Evolution and Marine Biology
2009–2013 B.S. with Distinction. UC Santa Barbara, Ecology, Evolution and Marine Biology

Employment

- 2021–Pres. Postdoctoral Scholar. Oregon State University
2013–2014 Junior Research Specialist. UC Santa Barbara

Grants

- 2017 ACIDD: Across the Channel, Investigating Diel Dynamics. UC Santa Barbara Coastal Fund. \$12K
2017 ACIDD: Across the Channel, Investigating Diel Dynamics. UC Ship Funds. \$240K

Awards and Honors

- 2014 US Congressional Antarctic Service Medal.

Publications

- in revision Bacterioplankton Response to Physical Stratification following Deep Convection. Baetge et al.. *Elementa*
in review Bacterioplankton communities reveal horizontal and vertical influence of an Island Mass Effect. Comstock et al.. *Environmental Microbiology*
2021 Seasonality of the microbial community composition in the North Atlantic. LM Bolaños, CJ Choi, AZ Worden, N Baetge, CA Carlson, SJ Giovannoni. *Frontiers in Marine Science*
2021 Role of Sea Surface Microlayer Properties in Cloud Formation. BN Hendrickson, SD Brooks, DCO Thornton, RH Moore, E Crosbie, *Frontiers in Marine Science*
2021 The seasonal flux and fate of dissolved organic carbon through bacterioplankton in the Western North Atlantic. N Baetge, MJ Behrenfeld, J Fox, KH Halsey, KDA Mojica, A Novoa, *Frontiers in Microbiology*

Oregon State University

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- 2021 Seasonal mixed layer depth shapes phytoplankton physiology, viral production, and accumulation in the North Atlantic. BP Diaz, B Knowles, CT Johns, CP Laber, KGV Bondoc, L Haramaty, *Nature Communications*
- 2021 Investigating atmospheric inputs of dissolved black carbon to the Santa Barbara Channel during the Thomas Fire (California, USA). S Wagner, E Harvey, N Baetge, H McNair, E Arrington, A Stubbins. *Journal of Geophysical Research: Biogeosciences*
- 2021 The Bioavailability of Seasonally Accumulated Dissolved Organic Carbon and its Contribution to Export in the Western North Atlantic. N Baetge. UC Santa Barbara
- 2020 Different carboxyl-rich alicyclic molecules proxy compounds select distinct bacterioplankton for oxidation of dissolved organic matter in the mesopelagic Sargasso Sea. S Liu, R Parsons, K Opalk, N Baetge, S Giovannoni, LM Bolaños, *Limnology and Oceanography*
- 2020 Net Community Production, Dissolved Organic Carbon Accumulation, and Vertical Export in the Western North Atlantic. N Baetge, JR Graff, MJ Behrenfeld, CA Carlson. *Frontiers in Marine Science*
- 2020 Seasonal Differences and Variability of Concentrations, Chemical Composition, and Cloud Condensation Nuclei of Marine Aerosol over the North Atlantic. G Saliba, CL Chen, S Lewis, LM Russell, PK Quinn, TS Bates, TG Bell, *Journal of Geophysical Research: Atmospheres*
- 2020 Stable isotope probing identifies bacterioplankton lineages capable of utilizing dissolved organic matter across a range of bioavailability. S Liu, N Baetge, J Comstock, K Opalk, RJ Parsons, E Halewood, *Frontiers in Microbiology*
- 2020 California wildfire burns boundaries between science and art. KM Bisson, N Baetge, SJ Kramer, D Catlett, G Girling, H McNair, *Oceanography*
- 2019 The North Atlantic aerosol and marine ecosystem study (NAAMES): science motive and mission overview. MJ Behrenfeld, RH Moore, CA Hostetler, J Graff, P Gaube, LM Russell, *Frontiers in Marine Science*
- 2019 Factors driving the seasonal and hourly variability of sea-spray aerosol number in the North Atlantic. G Saliba, CL Chen, S Lewis, LM Russell, LH Rivellini, AKY Lee, PK Quinn, *Proceedings of the National Academy of Sciences*



Teaching Experience

- 2018–2020 Marine Microbiology Laboratory (EEMB 144L) TA. UC Santa Barbara
- [Mentorship](#)
- 2018–2019 Ruby Korpics. UC Santa Barbara

Cruise Experience

- 2021 OO21, R/V Ira C. 1 day
- 2018 NAAMES, R/V Atlantis. 26 days
- 2017 BIOS-SCOPE, R/V Atlantic Explorer. 4 days

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2017 NAAMES, R/V Atlantis. 26 days
2017 ACIDD, R/V Sally Ride, Chief Scientist. 6 days
2016 NAAMES, R/V Atlantis. 26 days
2016 BIOS-SCOPE, R/V Atlantic Explorer. 4 days
2014 CLIVAR P16S, R/V Nathaniel B. Palmer. 46 days
2014 MCR-LTER, R/V Kilo Moana. 11 days
2013 BIOS, R/V Atlantic Explorer. 2 days

Service

2019 Sacramento Graduate Research Day Delegate. UC Santa Barbara

Manuscript Reviews

Science Advances (1), Aquatic Microbial Ecology (1), ISME (1)

Professional Development

2013 Microbial Oceanography Summer Course. Bermuda Institute of Ocean Sciences
2020 Personal Survival Techniques (TRAINRL-363). Training Resources Maritime Institute
2021 Ocean Optics Summer Course: Calibration and Validation for Ocean Color Remote Sensing. Bowdoin College SCSC
2020–2021 Unlearning Racism in Geoscience. UCSB Geography and Marine Science

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