

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

- submitted Bacterioplankton communities reveal horizontal and vertical influence of an Island Mass Effect. Comstock et al.. *Nature Communications*
in review Bacterioplankton Response to Physical Stratification following Deep Convection. Baetge et al.. *Elementa*
in press Seasonal mixed layer dynamics shape phytoplankton physiology, viral infection, and accumulation in the North Atlantic. Diaz et al.. *Nature Communications*
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*

Oregon State University

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- 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 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*
- 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
- 2017 NAAMES, R/V Atlantis. 26 days
- 2017 ACIDD, R/V Sally Ride, Chief Scientist. 6 days
- 2016 NAAMES, R/V Atlantis. 26 days

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- 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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