

Nicholas Baetge

PhD Candidate, Marine Science (he, him)

Education

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

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 review Seasonal Flux and Fate of Dissolved Organic Carbon through the Food Web in the Western North Atlantic. Baetge et al.. *Frontiers in Microbiology*
- in review 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, S 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*
- 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 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*

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📞 +1 310-944-4660 • ✉ nicholasbaetge@gmail.com
🌐 nbaetge.github.io • 🐦 [nbaetge91](#) • 🌐 [nbaetge](#)

- 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 California wildfire burns boundaries between science and art. KM Bisson, N Baetge, SJ Kramer, D Catlett, G Girling, H McNair, *Oceanography*
- 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*
- 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

- 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
- 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
- 2013–2014 Junior Research Specialist. UC Santa Barbara
- 2020 Personal Survival Techniques (TRAINRL-363). Training Resources Maritime Institute

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