BIOGRAPHICAL SKETCH

ELIZABETH B. KUJAWINSKI

Title: Senior Scientist

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Professional Preparation

Massachusetts Institute of Technology (MIT)	Cambridge, MA, USA	Chemistry	S. B.	1994
MIT/WHOI Joint Program in Ocean Sciences	Cambridge, MA, USA / Woods Hole, MA, USA	Chemical Oceanography	Ph. D.	2000
The Ohio State University	Columbus OH, USA	Analytical Chemistry	Postdoctoral Researcher	2000-2001
Marine Biological Laboratory	Woods Hole MA, USA	Microbial Diversity	Course participant	2005

Appointments:

Director, Center for Chemical Currencies of a Microbial Planet (C-CoMP), NSF Science and Technology Center, Woods Hole MA. October 2021 – present

Senior Scientist; MC&G – WHOI, Woods Hole MA. 2018 – present

Associate Scientist (tenure awarded 2013); MC&G - WHOI, Woods Hole, MA. 2009-18

Director, FT-MS facility; WHOI, Woods Hole, MA. October 2007 – present

Assistant Scientist; MC&G - WHOI, Woods Hole, MA. 2004-08

Affiliate member, Department of Earth and Environmental Sciences; Columbia University, New York, NY. 2003-04

Assistant Professor of Environmental Science; Barnard College, New York, NY; Adjunct Associate Research Scientist; Lamont-Doherty Earth Observatory (LDEO); Palisades, NY. 2002–04

Select publications:

Widner, B., M. C. Kido Soule, F. Ferrer-González, M. A. Moran and E. B. Kujawinski (2021). Quantification of amine- and alcohol-containing metabolites in saline samples using pre-extraction benzoyl chloride derivatization and ultra-high performance liquid chromatography tandem mass spectrometry (UHPLC MS/MS). *Anal Chem* **93**: 4809-4817.

Ferrer-González, F. X., B. Widner, N. R. Holderman, J. Glushka, A. S. Edison, E. B. Kujawinski and M. A. Moran (2020). Resource partitioning of phytoplankton metabolites that support bacterial heterotrophy. *ISME J* **15**: 762-773.

Johnson, W. M., K. Longnecker, M. C. Kido Soule, W. A. Arnold, M. P. Bhatia, S. J. Hallam, B. A. S. Van Mooy and E. B. Kujawinski (2020). Metabolite composition of sinking

particles differs from surface suspended particles across a latitudinal transect in the South Atlantic. *Limnol Oceanogr* **65**: 111-127.

McLean, C. and E. B. Kujawinski (2020). AutoTuner: High fidelity, robust, and rapid parameter selection for metabolomics data processing. *Anal Chem* **92**(8): 5724-5732.

Johnson, W. M., M. C. Kido Soule and E. B. Kujawinski (2017). Interpreting the impact of matrix on extraction efficiency and instrument response in a targeted metabolomics method. *Limnol Oceanogr Meth* **15**(4): 417-428.

Kujawinski, E. B., K. Longnecker, H. Alexander, S. T. Dyhrman, C. L. Fiore, S. T. Haley and W. M. Johnson (2017). Phosphorus availability regulates intracellular nucleotide pools in marine eukaryotic phytoplankton. *Limnol Oceanogr Lett* **2**: 119-129.

Johnson, W. M., M. C. Kido Soule and E. B. Kujawinski (2016). Evidence for quorum sensing and differential metabolite production by a marine bacterium in response to DMSP. *ISME J* **10**: 2304-2316.

Kujawinski, E. B., K. Longnecker, K. L. Barott, R. J. M. Weber and M. C. Kido Soule (2016). Microbial community structure affects marine dissolved organic matter composition. *Front Mar Sci* **3**(45): 1-15.

Moran, M. A., E. B. Kujawinski, A. Stubbins, R. Fatland, L. I. Aluwihare, A. Buchan, B. C. Crump, P. C. Dorrestein, S. T. Dyhrman, N. J. Hess, B. Howe, K. Longnecker, P. M. Medeiros, J. Niggemann, I. Obernosterer, D. J. Repeta and J. R. Waldbauer (2016). Deciphering ocean carbon in a changing world. *Proc Natl Acad Sci USA* **113**(12): 3143-3151.

Durham, B. P., S. Sharma, H. Luo, C. B. Smith, S. A. Amin, S. J. Bender, S. P. Dearth, B. A. S. Van Mooy, S. R. Campagna, E. B. Kujawinski, E. V. Armbrust and M. A. Moran (2015). Cryptic carbon and sulfur cycling between surface ocean plankton. *Proc Natl Acad Sci U S A* **112**(2): 453-457.

Fiore, C. L., K. Longnecker, M. C. Kido Soule and E. B. Kujawinski (2015). Release of ecologically relevant metabolites by the cyanobacterium, *Synechococcus elongatus* CCMP 1631. *Environ Microbiol* **17**(10): 3949-3963.

Kido Soule, M. C., K. Longnecker, W. M. Johnson and E. B. Kujawinski (2015). Environmental metabolomics: analytical strategies. *Mar Chem* **177, Part 2**: 374-387.

Kujawinski, E. B. (2011). The impact of microbial metabolism on marine dissolved organic matter. *Annu Rev Mar Sci* **3**(1): 567-599.

Kujawinski, E. B., M. C. Kido Soule, D. L. Valentine, A. K. Boysen, K. Longnecker and M. C. Redmond (2011). Fate of dispersants associated with the Deepwater Horizon oil spill. *Environ Sci Technol* **45**(4): 1298-1306.