

## Van Mooy Lab: Publications

\*Member of Van Mooy Lab Group

### 2014

Bellinger, B.J., Van Mooy, B.A.S., Cotner, J.B., \*Fredricks, H.F., Benitez-Nelson, C.R., Thompson, J., Cotter, A., Knuth, M., Godwin, C.M., 2014. Physiological modifications by seston in response to physicochemical gradients within Lake Superior. [Limnol Oceanogr.59: 1011-1026.](#)

\*Fulton, J.M., \*Fredricks, H.F., Bidle, K.D., Vardi, A., Kendrick, B.J., DiTullio, G.R., Van Mooy, B.A.S., 2014. Novel molecular determinants of viral susceptibility and resistance in the lipidome of *Emiliania huxleyi*. [Environ. Microbiol. 16: 1137-1149.](#)

Honjo, S., Eglinton, T.I., Taylor, C.D., Ulmer, K.M., Sievert, S.M., Bracher, A., German, C.R., Edgcomb, V., Francois, R., Iglesias-Rodriguez, M.D., Van Mooy, B.A.S., Repeta, D.J., 2014. Understanding the Role of the Biological Pump in the Global Carbon Cycle: An Imperative for Ocean Science. [Oceanography 27, 10-16.](#)

Lehahn, Y., Koren, I., Schatz, D., Frada, M., Sheyn, U., Boss, E., Efrati, S., Rudich, Y., Trainic, M., Sharoni, S., Laber, C., DiTullio, G.R., Coolen, M.J.L., Martins, A.M., Van Mooy, B.A.S., Bidle, K.D., Vardi, A., 2014. Decoupling of physical from biological processes to assess the impact of viruses on a mesoscale algal bloom. *Curr. Biol.* 24, 1-6. [DOI: 10.1016/j.cub.2014.07.046](#)

\*Martin, P., Dyhrman, S.T., Lomas, M.W., Poulton, N., Van Mooy, B.A.S., 2014 Accumulation and enhanced cycling of polyphosphate by Sargasso Sea plankton in response to low phosphorus. [Proc Natl Acad Sci USA. 111: 8089-8094.](#)

Ray, J.L., Haramaty, L., Thyraug, R., Fredricks, H.F., Van Mooy, B.A.S., Larsen, A. Bidle, K.D., and Sandaa, R.-A. , 2014. Virus Infection of *Haptolina Ericina* and *Phaeocystis Pouchetii* Implicates Evolutionary Conservation of Programmed Cell Death Induction in Marine Haptophyte–Virus Interactions. *Journal of Plankton Research.* [DOI:10.1093/plankt/fbu029.](#)

Rose, S.L., \*Fulton, J.M., Brown, C.M., Natale, F., Van Mooy, B.A.S., Bidle, K.D. 2014. Isolation and characterization of lipid rafts in *Emiliania huxleyi*: a role for membrane microdomains in host-virus interactions. [Environ. Microbiol. 16: 1150-1166.](#)

Van Mooy, B.A.S., \*L.R. Hmelo, \*H.F. Fredricks, \*J.E. Ossolinski, B.E. Pedler, D.J. Bogorff, and P.J.S. Smith, 2014. Quantitative Exploration of the Contribution of Settlement, Growth, Dispersal and Grazing to the Accumulation of Natural Marine Biofilms on Antifouling and Fouling-Release Coatings. [Biofouling 30\(2\) 223-36.](#)

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\*Martin, P., and Van Mooy, B.A.S. (2013) Fluorometric quantification of polyphosphate in marine samples: dissolution protocols, matrix effects, and nucleic acid interference, [Appl Environ Microb.79: 273-281](#); doi:10.1128/aem.02592-12.

\*Popendorf, K.J., \*Fredricks, H.F., and Van Mooy, B.A.S. (2013) Molecular-ion independent quantitation of intact polar diacylglycerolipids in marine plankton using triple quadrupole MS. [Lipids 48: 185-195](#); doi:10.1007/s11745-012-3748-0.

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\*Hmelo, L.R., Van Mooy, B.A.S., and Mincer, T.J. (2012) Bacterial epibionts in *Trichodesmium* colonies are distinct from bacteria in surrounding waters. [Aquat. Microb. Ecol.67: 1-14](#); doi:10.3354/ame01571.

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Van Mooy, B. A. S., \*Hmelo, L.R., \*Sofen, L.E., Campagna, S.R., May, A.L., Dyhrman, S.T., Heithoff, A., Webb, E.A., Momper, L., Mincer, T.J. (2012) Quorum sensing control of phosphorus acquisition in *Trichodesmium* consortia. [ISME J. 6:422-429](#); doi:10.1038/ismej.2011.115.

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