



Harriet Alexander

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EDUCATION

2010-present **Massachusetts Institute of Technology-Woods Hole Oceanographic Institution**
Joint Program in Biological Oceanography, Cambridge/Woods Hole, MA
Ph.D. (expected 2015) Biological Oceanography
Advisor: Dr. Sonya Dyhrman

2006-2010 **Wellesley College**, Wellesley, MA
B.A. in Biological Sciences with Honors (minor in Mathematics) *cum laude*
Thesis Title: Phylogenetic analysis of the diversity of photosynthetic picoeukaryotic phytoplankton in the Monterey Bay using rDNA clone libraries

RESEARCH & WORK EXPERIENCE

2010-present **Graduate Student** under the guidance of Dr. Sonya Dyhrman. Woods Hole Oceanographic Institution, Woods Hole, MA.

2008-2010 **Undergraduate Researcher** under the guidance of Dr. Alexandra Worden. Monterey Bay Aquarium Research Institute, Moss Landing, CA.

2009 **Intern Coordinator** for the MBARI internship program under Dr. George Matsumoto. Monterey Bay Aquarium Research Institute, Moss Landing, CA.

2007-2010 **Writing Tutor** in the Pforzheimer Learning and Teaching Center, Wellesley College, Wellesley, MA

2009-2010 **Math Tutor and Grader** for Number Theory, Mathematics Department, Wellesley College, Wellesley, MA

2006-2009 **Night Assistant** for Introductory Astronomy, Astronomy Department, Wellesley College, Wellesley, MA

PUBLICATIONS

Alexander, H., Jenkins, B.D., Rynearson, T.A., Saito, M.A., Mercier, M.L., Dyhrman, S.T. (in prep, expected submission May 2012). Identifying reference genes with stable expression from high throughput sequence data.

Dyhrman, S.T., Jenkins, B.D., Rynearson, T.A., Saito, M.A., Mercier, M.L., **Alexander, H.**, Whitney, L.P., Drzewianowski, A., Bulygin, V.V., Bertrand, E.M., et al. (2012). The transcriptome and proteome

of the diatom *Thalassiosira pseudonana* reveal a diverse phosphorus stress response. PLoS ONE 7, e33768.

PRESENTATIONS

H. A. Skoning, A. Monier, D. McRose, H. Wilcox, A. Z. Worden. Prasionphytae phylogenetic characterization along a transect from Monterey Bay to oligotrophic waters and application to 454-TAG sequence analysis, ASLO, Portland, OR. February 2010.

H. A. Skoning, A. Monier, D. McRose, H. Wilcox, A. Z. Worden. Prasinophytae phylogenetic characterization along a transect from Monterey Bay to oligotrophic waters, Rhulman Conference, Wellesley College, Wellesley, MA. April 2010.

H. A. Skoning, H. Wilcox, R. Welsh, A. Z. Worden. Little Creature, Big impact: Exploring the cell cycle of picoeukaryotes. Tanner Conference, Wellesley College, Wellesley, MA. October 2008.

SELECTED AWARDS & FELLOWSHIPS

National Defense Science and Engineering Fellowship	2011-present
National Science Foundation Graduate Research Fellowship (<i>declined</i>)	2011
MIT Presidential Fellowship	2010-2011
Lucy Allen Branch Prize in Natural History	2010
Jane Harris Schneider Prize in Sculpture	2010
Excellence in Organic Chemistry	2009
Excellence in Chemistry	2008