

Una Miller

Columbia University · Lamont-Doherty Earth Observatory · umiller@ldeo.columbia.edu

Education

August 2015	Bachelor of Science, Oceanography Minor: Chemistry University of Washington, Seattle, WA GPA: 3.51
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Publications

Johnson, H. P., **U. K. Miller**, M. S. Salmi, E. A. Solomon (2015), Analysis of Bubble Plume Distributions to Evaluate Methane Hydrate Decomposition on the Continental Slope, *Geochem. Geophys. Geosyst.*, 1525-2027, doi: 0.1002/2015GC005955

Hautala, S. L., E. A. Solomon, H. P. Johnson, R. N. Harris, and **U. K. Miller** (2014), Dissociation of Cascadia margin gas hydrates in response to contemporary ocean warming, *Geophys. Res. Lett.*, 41, 8486–8494, doi:10.1002/2014GL061606.

Research Experience

2016-Present	Graduate Student Researcher under Dr. Christopher Zappa, Columbia University Department of Earth and Environmental Sciences
2013-2016	Research Experience for Undergraduates (REU) student and Research Assistant under Dr. H. Paul Johnson, University of Washington
September 2014-June 2015	Department of Oceanography senior thesis under Dr. Julian Sachs, University of Washington. Thesis title: Characterizing the controls on surface alkalinity in Nootka Sound, British Columbia

Presentations

December 2015	Miller, U. K. "Analysis of Bubble Plume Distributions to Evaluate Methane Hydrate Decomposition on the Continental Slope" American Geophysical Union Fall Meeting. Poster. San Francisco, CA.
May 2014	Miller, U.K. "Massive Deep-Sea Carbonates on the Washington Margin" University of Washington Undergraduate Research Symposium. Poster. Seattle, WA.

Teaching Experience

Fall 2017	Teaching Assistant, "Climate Dynamics and Variability", Department of Earth and Environmental Sciences, Columbia University
Fall 2015	Teaching Assistant, "Oceanography of the Pacific Northwest", Department of Oceanography, University of Washington

Outreach

Spring 2016 -Present	Volunteer Classroom Manager for Girls Who Code, Columbia University Chapter
November 2016, 2017	Volunteer for Girls' Science Day at Columbia University
October 2016, 2017	Volunteer at the Lamont-Doherty Earth Observatory Open House
May 2014	Community outreach presentations on earthquake and ocean science at Taholah High School and the Coastal Interpretive Center of Ocean Shores
Summer 2013	Volunteer for the Seattle Aquarium Beach Naturalist Outreach Program
Summer 2012	Volunteer for the People for Puget Sound Outreach Team

Research Cruise Participation

February -March 2018	<i>R/V Aaron</i> , Terra Nova Bay, Ross Sea, 30 days
December 2014	<i>R/V Thompson</i> , Nootka Sound, B.C., 10 days
October 2014	<i>R/V Thompson</i> , WA and OR coast, 2 weeks
June-July 2014	<i>R/V Thompson</i> , WA and OR coast, 2 weeks
August 2013	<i>R/V Atlantis</i> , WA and OR coast, 1 month
April 2013	<i>R/V Barnes</i> , Puget Sound, 1 day

Other Experience

Summer 2012

Laboratory Technician, Alaska Salmon Program,
University of Washington