

Juliane L. Fry
Associate Professor, Chemistry and Environmental Studies
Reed College
3203 SE Woodstock Blvd.
Portland, OR 97202
Tel: (503) 517-7951; email: fry@reed.edu

Julie Fry is Associate Professor of Chemistry and Environmental Studies at Reed College. Julie was born in 1977 in Midland, Michigan, where she grew up and learned to love chemistry in the shadow of the Dow Chemical Company's research headquarters. She attended the University of Rochester and earned a BS in Chemistry with minors in Physics, German, and Women's Studies in 2000. After graduation, Julie spent a year studying and working in the Physical Chemistry laboratory at the Fritz-Haber-Institute of the Max Planck Society in Berlin, Germany on a Fulbright Fellowship. Her transition back to the U.S. was accompanied by a transition in research focus from solid-state surface chemistry to atmospheric chemistry, and she completed her Ph.D. in Chemistry at the California Institute of Technology under the joint advising of Profs. Paul Wennberg (Geology and Planetary Sciences) and Mitchio Okumura (Physical Chemistry). After defending her thesis on the spectroscopy and kinetics of atmospheric reservoir species in December 2005, Julie moved to Washington, DC to spend 6 months as Climate Fellow at the Environmental and Energy Study Institute in Washington, DC. From July 2006 – July 2008, Julie was a Postdoctoral Research Fellow with Prof. Ron Cohen at the University of California – Berkeley, studying mechanisms of atmospheric aerosol formation. Julie moved to Reed College in Fall 2008, where she was hired in part to launch a new Environmental Studies program. Her research continues to be in the broad areas of atmospheric and environmental chemistry, specifically focused on elucidation of interactions between human-produced nitrogen oxides (NO_x) and climate-relevant atmospheric aerosol particles. Research projects have taken her to the Juneau Icefield (2010, see photo!), Rocky Mountain Front Range (BEACHON campaign, summer 2011), NCAR and NOAA labs in Boulder, CO (junior sabbatical year, 2011-2012), central Alabama (SOAS campaign, summer 2013), and northern Europe (upcoming research leave, 2016-2017). She was promoted to Associate Professor with tenure in 2014. Julie's interests in facilitating better public understanding of environmental science and climate change, and better interaction of science with law and policy, have lead to opinion editorials, speaking engagements, collaborative natural/social science research, collaborations with the Oregon Museum of Science and Industry, and pursuing a Master's degree in Environmental Legal Studies at Lewis and Clark Law School (sabbatical year, 2015-2016).

