

Postdoctoral Program in Environmental Chemistry

<u>Institution</u>	<u>Awardee</u>	<u>Department</u>	<u>Area of Interest</u>
2007			
California Institute of Technology	Nathan S. Lewis	Chemistry	Iron-Based, Earth Abundant, Photoelectrochemical Cells for Solar Energy Capture and Conversion
Harvard University	Theodore A. Betley	Chemistry and Chemical Biology	Designing Polymetallic Reaction Sites: New Strategies for Small Molecule Activation Catalysts as a Means for Chemical Energy Conversion
Johns Hopkins University	Alan T. Stone	Geography & Environmental Engineering	Towards Predictive Modeling of Electron Transfer at Mineral/Water Interfaces, to Help Understand Environmentally Relevant Metal Oxidation State Changes
Massachusetts Institute of Technology	Andrei Tokmakoff	Chemistry	Mechanistic studies of biomimetic proton-coupled electron transfer compounds, using ultrafast two-dimensional infrared spectroscopy, as a key to the development of artificial photo-catalysts for water splitting.
Purdue University	Paul Shepson	Purdue Climate Change Research Center	Computational and Laboratory Studies of Arctic Sea Ice Halogen Chemistr
The University of Chicago	Chuan He	Chemistry	Engineering Proteins that Selectively Recognize Nuclear Waste
The University of Chicago	Robert J. Keenan	Biochemistry & Molecular Biology	Reprogramming Metabolic Pathways for the Biological Production of High Value Chemicals from Renewable Resources
University of Washington	Daniel R. Gamelin	Chemistry	Mesoporous Oxide Tandem Photoelectrochemical Cells for Efficient Water Splitting