

## Camille Dreyfus Teacher-Scholar Awards Program

<u>Institution</u>	<u>Awardee</u>	<u>Department</u>	<u>Area of Interest</u>
<b>2009</b>			
California Institute of Technology	Shu-ou Shan	Chemistry	Towards a new paradigm for GTPase regulation of intracellular protein targeting.
Columbia University	Laura J. Kaufman	Chemistry	The Effects of Crowding on Dynamics Across Length Scales and Across Disciplines
Cornell University	Abraham Stroock	Chemical and Biomolecular Engineering	Science and engineering of metastable liquid water in synthetic trees.
Duke University	Katherine J. Franz	Chemistry	Chemical Tools to Manipulate Metal-Catalyzed Oxidative Stress
Harvard University	Alán Aspuru-Guzik	Chemistry and Chemical Biology	Quantum Computation and Quantum Information for Chemistry
New Mexico State University	Jeremy M. Smith	Chemistry and Biochemistry	Research on "nitrogen atom transfer" by three-fold symmetric iron nitrido complexes and description of the electronic structures of thermally stable iron(IV) complexes.
University of California, Berkeley	Richmond Sarpong	Chemistry	New strategies and methods for the total synthesis of natural and unnatural compounds using metal-catalyzed reactions.
University of California, Davis	Xi Chen	Chemistry	Chemoenzymatic Approaches for Chemical Glycobiology
University of California, Irvine	Alan F. Heyduk	Chemistry	Redox-Active Ligands as a New Paradigm for Multi-Electron Small-Molecule Reactions Relevant to Energy Efficiency
University of California, Santa Barbara	Todd M. Squires	Chemical Engineering	Dynamic effects at physico-chemical interfaces
University of Florida	So Hirata	Chemistry	The developments and applications of predictive electronic and vibrational many-body methods for molecules and macromolecules.
University of Michigan	Suljo Linic	Chemical Engineering	Heterogeneous catalysis in 21st Century: well defined, high uniform, targeted nano-structures as highly selective heterogeneous catalysts, photo-catalysts, and characterization tools
University of Minnesota	Christy L. Haynes	Chemistry	Electroanalytical Eavesdropping on Cellular Communications
University of South Carolina	Paul Ryan Thompson	Chemistry and Biochemistry	Chemical Biology of Eukaryotic Gene Regulation