

New Faculty Awards Program

<u>Institution</u>	<u>Awardee</u>	<u>Department</u>	<u>Area of Interest</u>
2008			
Brown University	Eunsuk Kim	Chemistry	Chemistry of Iron-Sulfur Clusters in Nitric Oxide Signaling
California Institute of Technology	Thomas F. Miller	Chemistry & Chemical Engineering	Understanding complex dynamics in chemistry and biology.
Northwestern University	Emily A. Weiss	Chemistry	Heterogeneous Charge Transfer: Photophysical and Electrical Studies of Organic-Inorganic Interfaces within Materials Relevant to Solar Energy Conversion
Stanford University	Bianxiao Cui	Chemistry	Probing the signal transduction of neurotrophins: a microfluidic-based single molecule approach
The Pennsylvania State University	Scott T. Phillips	Chemistry	Designing and Studying Chemical Amplification
The University of Texas at Austin	Hal S. Alper	Chemical Engineering	Enhancing metabolic pathways and improving pathway flux through the protein engineering of molecular transporter proteins
University of California, Los Angeles	Louis-Serge Bouchard	Chemistry and Biochemistry	Novel applications of MRI to heterogeneous catalysis and chemical reaction thermodynamics
University of California, San Diego	Nathan C. Gianneschi	Chemistry & Biochemistry	Stimuli Responsive Polymeric Micelles with Biomolecular Shells: An Enzyme-Linked Nanoprobe for DNA Detection
University of Miami	Jamie D. Walls	Chemistry	Studying nonlinear quantum dynamics and complexity with application in spectroscopy and imaging