

Camille Dreyfus Teacher-Scholar Awards Program

<u>Institution</u>	<u>Awardee</u>	<u>Department</u>	<u>Area of Interest</u>
2010			
Case Western Reserve University	R. Mohan Sankaran	Chemical Engineering	A new paradigm for plasma processing: Microplasma synthesis of nanomaterials for catalytic, electronic, and photovoltaic applications
Indiana University	Amar Flood	Chemistry	Strong CH---Anion Hydrogen Bonds from Triazoles and in Triazolophanes
Louisiana State University	Jayne Garno	Chemistry	Combining Magnetic Sample Modulation (MSM) with Contact‐Mode Atomic Force Microscopy for Measurement of Magnetic Properties at the Nanoscale
Queens College, City University of New York	Seogjoo Jang	Chemistry and Biochemistry	Theory development and computational modeling of exciton and electron/hole migration in soft disordered environments
The University of Chicago	Dmitri Talapin	Chemistry	III-V semiconductors through solution-phase synthesis and self-assembly
University at Buffalo, The State University of New York	Matthew Disney	Chemistry	Progress Towards the Rational and Modular Design of Small Molecules Targeting RNA
University of California, Berkeley	Rachel Segalman	Chemical Engineering	Functional Nanoscale Polymers for Energy Applications: Molecular Design, Self-Assembly and Structure-Device Property Relationships
University of California, Santa Barbara	Songji Han	Chemistry and Biochemistry	Unraveling the role of hydration water in protein dynamics and function
University of Illinois	Benjamin McCall	Chemistry and Astronomy	Astrochemistry: combining high resolution spectroscopy and measurements of reaction kinetics/dynamics with astronomical observations and modeling
University of Michigan	Kate Carroll	Chemistry and The Life Sciences Institute	Painting the Cysteine Chapel: New Tools to Probe Oxidation Biology
University of Minnesota	Kevin Dorfman	Chemical Engineering and Materials Science	Simulating DNA Electrophoresis in Complex Geometries

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University of Virginia	B. Jill Venton	Chemistry	Tiny sensors for tiny organisms: measuring neurotransmitter dynamics in the fruit fly brain.
University of Wisconsin-Madison	Tehshik Yoon	Chemistry	Novel Strategies for Catalytic Redox Reactions
Virginia Polytechnic Institute and State University	Edward Valeev	Chemistry	Predictive computation of molecular properties with explicitly correlated wave function methods: energetics, spectra, transport.