2011 Postdoctoral Research Participants

Program	Name	Facility	Project
Biomass	Gunda, Padmaja	Pacific Northwest National Laboratory	Development of Catalyst System for the Selective Trimerisation of Dienes
	Lampert, David	Argonne National Laboratory	Water Quality Assessment of Pesticide Usage for Biofuel Production
	Hobdey, Sarah	National Renewable Energy Laboratories	Oligomer Saccharification
	Clark, Jared	National Renewable Energy Laboratories	Kinetic Modeling of Biomass Pyrolysis Coupled with Experimental Results
Fuel Cell Technologies	Ardo, Shane	California Institute of Technology	Next-Generation Si Microwire Array Devices for Unassisted Photoelectrosynthesis
	Larsen, Brian	National Renewable Energy Laboratories	High aspect ratio nano-structured Pt-based PEM fuel cell catalysts
	Mondloch, Joseph	Northwestern University	Metal- and Cluster-Modified Ultrahigh-Area Diamond Network Materials For the Ambient Temperature Storage of Molecular Hydrogen
	Olsen, Raina	Oak Ridge National Laboratory	The Quantum Effects of Pore Structure on Hydrogen Adsorption
Geothermal Technologies	Shelton, John	Carnegie Mellon University National Energy Technology Laboratory in Pittsburgh	A Geothermal Rock-Fluid-Bit Interaction Framework to Predict the Behavior of Nanofluids during Drilling
Solar Energy Technologies	Cowan Pratt, Sarah	National Renewable Energy Laboratories	Solution-processable metal oxide materials for optimized tunnel junction layers and improved device lifetime in multijunction architecture organic photovoltaics
	Dasgupta, Neil	University of California at Berkeley	Nanowire Photovoltaics Based on Abundant, Low-cost Materials and Processing Techniques
	Mercado, Brandon	University of California, Irvine	Designing Conductive Quantum Dot Superlattices for Perfect Charge Collection from Next-Generation Quantum Dot Solar Cells
Vehicles Technology	Lu, Jun	Argonne National Laboratory	Develop New Non-aqueous Electrolytes for Rechargeable Li-Air Battery Application
Wind & Water	Posner, Ari	Hydraulics and Maritime Research Centre (University College Cork)	Marine and Hydrokinetic Technology Development and Testing