

DOE EPSCoR Lab Partnership RFP June 5, 2009 Pre-Application submitted

	PI Last Name	PI First Name	PI School	PI Department	Lab	Lab Collaborator	Proposal Title
1	Vorobieff	Peter	UNM	Mechanical Engineering	LANL	Susan Kurien	Effects of global climate change on water stream meanderings and landscape evolution.
2	Han	Sang	UNM	Chemical and Nuclear Engineering	SNL	Jeffrey G. Cederberg	Nanoscale Heterojunction Engineering to Integrate III-V and Ge on Si for High-Efficiency Multijunction Photovoltaics.
3	Schaub	Tanner	NMSU	Chemical Analysis and Instrumentation Lab	LANL	Clifford Unkefer	Ultra-high Resolution FT-ICR Mass Spectrometry for the Characterization of Algal Biofuel and Feedstock
4	Shi	Feng	NNMC	College of Engineering	LANL	Joysree Aubrey Jose Martin Tacetti	Photonic Crystal Prismatic Ultra-high Efficiency Photovoltaic System
5	Kalugin	Nikolai G.	NMT	Materials and Metallurgical Engineering	SNL LANL	Eric A. Shaner Stephen K. Doorn	Band Structure, electron relaxation properties, and Raman scattering in planar and nonplanar graphene nanostructures
6	Zhang	Peng	NMT	Department of Chemistry	SNL	Willie Luk	Investigating optical response from plasmonic nanostructures as SERS substrates
7	Bustamante	Camilla	NNMC	VP of Research	LANL	Lisa Henne Sam Loftin Mike Ebingger	Development and evaluation of Biochar for CO2 sequestration while managing organic waste and improving food production
8	Leseman	Zayd	UNM	Department of Mechanical Engineering	SNL	Ihab El-Kady	Manipulation of Phonons with Phononic Crystals
9	Hirschfeld	Deidre	NMT	Department of Materials and Metallurgical Engineering	SNL	Aaron Hall	Development of Novel Microstructures Utilizing Plasma Spray
10	Stone	Mark	UNM	Civil Engineering	SNL	Vince Tidwell Amy Sun	Integrating physical hydrology and climatology models into decision support tools