Lab Fee RFP
Awards by Campus/Lab – July 2012

PI		Campus/Lab	Proposal Title
Jerzy	Chlistunoff	LANL	Development of Bio-Mimetic Oxygen Reduction Catalysts
William	Daughton	LANL	Building Blocks of Three-Dimensional Magnetic Reconnection
David	Fox	LANL	Novel therapeutics for pathogen neutralization
Jeffrey	Heikoop	LANL	Invisible U mining toward sustainability of C-free energy
Thomas	Leitner	LANL	Accurate evolutionary rates for precise pathogen sourcing
Laura	Monroe	LANL	Probabilistic Algorithms for New Computer Architectures
Qibing	Pei	LANL	Synthesis of Nanocomposites for Radiation Scintillation
Scott	Vander Wiel	LANL	Anomaly Detection in Streaming Radio Interferometer Data
Chonggang	Xu	LANL	Next Generation Dynamic Carbon-Nitrogen Model
Hongwu	Xu	LANL	Neutron Imaging, Scattering & Modeling of Salt-Brine System
Peer-Timo	Bremer	LLNL	Performance Visualization at ExaScale
Selim	Elhadj	LLNL	Damage resistant structures fabricated by laser CVD
Maya	Gokhale	LLNL	FLASH-Based Data-Intensive Supercomputing for Graph Analysis
Satinderpall	Pannu	LLNL	High Fidelity Neural Recordings using wireless ECoG arrays
Lisa	Poyneer	LLNL	Predictive adaptive optics for turbulence and fast tracking
William	Thompson	LLNL	Evidence, inference and bias in WMD forensics
Leta	Woo	LLNL	Three-dimensional (3-D) graphene sensors
Darren	Bleuel	UCB	Nuclear Reactions in High Energy Density Plasmas at NIF
Daniel	Fletcher	UCB	Mobile Phone Platform for Genomic Disease Detection
Lior	Pachter	UCB	Metagenome quantification using high-throughput sequencing
Barbara	Romanowicz	UCB	Full waveform seismic tomography using stochastic methods
Scott	Stephens	UCB	Using LiDAR to inform the evaluation of FIRETEC-HIGRAD
Ricardo	Castro	UCD	Design of nanoceramics with high radiation tolerance
Nicholas	Curro	UCD	NMR Studies of Materials Under Extreme Conditions
Roland	Faller	UCD	Modelling of Protein Transport in Realistic Environments
Alan	Meier	UCD	Energy efficiency indicators for the U.S. economy
Erkin	Seker	UCD	Tunable nanoporous metals for advanced biosensor platforms
Klaus	van Benthem	UCD	Dynamics of Defect Structure Evolution under Extreme Conditi
Jean	VanderGheyst	UCD	Ionic liquid resistance in a cellulose degrading community
Qing-zhu	Yin	UCD	Isotope Forensics of the Early Solar System
Mikael	Nilsson	UCI	Separation of High Valency Actinides from Used Nuclear Fuel
Zuzanna	Siwy	UCI	CONDUCTIVITY OF IONIC LIQUIDS IN GRAPHITIC NANOPORES
Andrea	Bertozzi	UCLA	Sparse modeling for high dimensional data
Diana	Huffaker	UCLA	III-V nanopillars for high efficiency single photon emitters
Yuri	Shprits	UCLA	Data Assimilation in the near-Earth Radiation Environment
John	Campbell	UCM	Quantifying urban CO2 fluxes using carbonyl sulfide and 14C
Javier	Garay	UCR	UCR-LANL Energy Storage Research Initiative
Roland	Kawakami	UCR	Material Synthesis and Optics for Si and Ge Spintronics
Chun Ning (Jeanie)	Lau	UCR	Quantum Phenomena in Topological Insulators
Gary	Leal	UCSB	Neutron Scattering for Branched, Entangled Polymers in Flow
Tresa	Pollock	UCSB	Interface-Dominant BiMetallics
Sung Mo	Kang	UCSC	RRAM-based Data-Intensive In-Memory Computing CAM Systems
Doug	Lin	UCSC	A Comprehensive Study of Formation Processes of Exoplanets
Eli	Berman	UCSD	Punjab Model: Using Cell Phones to Reduce Corruption
Tai Ming	Cheung	UCSD	Assessing China's Efforts in High Performance Computing
Russell	Doerner	UCSD	Characterization and Development of Plasma Facing Materials
George	Fuller	UCSD	Frontiers of Neutrino Physics and Nuclear Astrophysics
Marc	Meyers	UCSD	Extreme Response of Metals to Laser Compression and Release
Susan	Shirk	UCSD	Herbert F. York Security Fellowship (HYSF) Program
Donald	Sirbuly	UCSD	Embeddable photonic fibers for real-time diagnostics
Loren	Frank	UCSF	New technologies for understanding the brain
Leor	Weinberger	UCSF	Acoustic Filtering for Viral Biodetection & Evolution