UC Discovery Grant Competition Results - October 2009

Awards Listed by Campus

Host Campus	PI/Director Name (Last, First)		Proposal Title
UCB	Anantharam	Venkatachalam	Iterative Decoding Algorithms and Their Implementation
UCB	Herr	Amy	Automated Immunoblotting Technology
UCB	Kazerooni	Homayoon	Low Cost and Intelligent Orthotics for Mobility Disorders
UCB	O'Brien	James	Realtime Simulation for Surgical Planning and Training
UCD	Bradford	Kent	Genes in Pepper Conferring Microspore Regeneration Capacity
UCD	Dandekar	Abhaya	Chemical sensors to detect citrus crop responses
UCD	Dvorak	Jan	Construction of the Sweet Orange Physical Map
UCD	Hurst	Paul	Analog Signal Processing Circuits for Digital Communication
UCD	Mascal	mark	Complete Utilization of Biomass in the Production of Biofuel
UCD	Pham	Anh-Vu	Compact High Frequency Wide Bandwidth Passive Modules
UCD	Zhu	Xiangdong	High-throughput scanner for label-free IgG affinity assay
UCI	Bachman	Mark	Modeling of novel MEMS microphones
UCI	Chandy	George	Potassium channel blockers as therapy for multiple sclerosis
UCI	Earthman	James	Alternating Magnetic Field Treatment of Service Water
UCI	Fruman	David	Novel mTOR inhibitors as therapeutic agents for leukemia
UCI	Green	Michael	Design of CMOS 10 Gb/s Low-Power A/D Converters
UCI	LaFerla	Frank M.	Treating Alzheimer disease with human stem cells (GRNOPC1)
UCI	Lakey	Jonathan	Islet Transplantation Using Alginate Sheet
UCI	Mecartney	Martha	Enhanced Thermal Shock Resistance for Oxygen Sensors
UCI	Suda	Tatsuya	Market-based Resource Allocation for Overlay Networks
UCLA	Gerla	Mario	Content and Media Centric Networking in Urban Wireless Grids
UCLA	Gerla	Mario	Vehicular Networks and infrastructure Support
UCLA	Hicks	Robert	High Mobility InP/InAs/InP Nanopillar Devices
UCR	Lyubomirsky	Ilya	Quadrature Duobinary for 100G Optical Networks
UCR	Ma	Wenbo	Secreted proteins as detection markers for citrus diseases
UCR	Vidalakis	Georgios	The Future California Citrus Clonal Protection Program

UCR	Zaera	Francisco	Surface Science Studies of CVD and ALD Processes for Ru Depo
UCSB	Banerjee	Kaustav	Electromagnetic and Thermal Modeling of TSVs in 3D ICs
UCSB	Banerjee	Kaustav	Aging Resilient Digital IC Design
UCSB	Blumenthal	Daniel	Integrated PICs for Coherent Test and Measurement
UCSB	Clegg	Dennis	Soft Tissue Regeneration
UCSB	Coldren	Larry	Optical Phase Locked Loop Technology for Chip-Scale LIDAR Sy
UCSB	Gibson	Jerry	Voice and Video Over Wireless Ad Hoc and Mesh Networks
UCSB	Mitragotri	Samir	Nanoparticles for site-specific targeted delivery of drugs
UCSC	Davis	James	Sensor Enhanced Communication and Computer Interaction
UCSC	Elkaim	Gabriel	Solar Autonomous Boat for Oceanographic Data Gathering
UCSD	Asbeck	Peter	High power varactor development for adaptive basestations
UCSD	Cheng	Chung-Kuan	Research on High Performance Low Power Interconnect
UCSD	Deutsch	Alin	Static Analysis of Artifact-Centric Business Processes
UCSD	Dey	Sujit	Enabling Personalized, Context Aware, Interactive Mobile Adv
UCSD	Firestein	Gary	Developing PI3 Kinase Inhibitors for Rheumatoid Arthritis
UCSD	Javidi	Tara	Cognitive Networks
UCSD	Pasquale	Joseph	Wireless Cloud Computing for Thin Clients
UCSD	Rebeiz	Gabriel	High Performance 60 GHz Phased Arrays and Synthesizers
UCSD	Zeidler	James	Robust Scheduling in Mobile Multimedia OFDMA Networks
UCSF	Liu	Bin	Human Antibody Targeted Minicell Drug Delivery Platform
UCSF	Martin	Alastair	Optimized Methodology for Implantation of DBS Electrodes
UCSF	VanBrocklin	Henry	Imaging Hypoxia: Preparation and Evaluation of [18F]EF5