UC Discovery Grant Competition Results - May 2010

Awards Listed by Principal Investigator

PI/Director Name (Last, First)		Host Campus	Proposal Title
Chan	Simon	UCD	Engineering centromeres to produce haploid plants
Chiou	Pei-Yu	UCLA	Photothermal Delivery of Large Cargo into Mammalian Cells
Chiu	Charles	UCSF	Comprehensive Diagnostics for Viral Encephalitis/ Meningitis
Cong	Jason	UCLA	Hardware Acceleration for Electronic Design Automation
Conolly	Steven	UCB	Development of Magnetic Particle Imaging
Ding	Shou-wei	UCR	Rapid identification of new citrus virus & viroid pathogens
Dubcovsky	Jorge	UCD	Improving California wheat quality and nutritional value
Dunn-Rankin	Derek	UCI	Mercury Removal from Flue Gas via Aqueous Precipitation
Galton	Ian	UCSD	Critical Mixed-signal CMOS Platform Circuits for Reconfigurable Radio
He	Lei	UCLA	Reliable circuits and systems
Huffaker	Diana	UCLA	Development of low cost high efficiency thermophotovoltaics
Itoh	Tatsuo	UCLA	Metamaterial-Based Leaky Wave Antenna with Dual and Circular
Itoh	Tatsuo	UCLA	Metamaterial-Based Multiplexer
Kahng	Andrew	UCSD	Power Delivery Pathfinding for 3D Through-Silicon Stacking
Kammen	Daniel	UCB	Pacific Gas & Electric Supply Chain Carbon Management
Keasling	Jay	UCB	A heterologous isoprenoid biosynthetic pathway for yeast
Krstic	Miroslav	UCSD	Control of Lasers for Photolithography and Flat Panel Displa
Nelson	Sarah	UCSF	Novel MR Technology - Monitoring Treatment in Human Disease
Niknejad	Ali	UCB	Mixed-Signal RF WLAN/4G Communication CMOS Power Amplifiers
O'Brien	James	UCB	Realtime Simulation for Surgical Planning and Training
Patterson	David	UCB	Universal Parallel Computing Research Center
Pei	Qibing	UCLA	Novel Electrode-Elastomer Combination for High-Performance

Pham	Anh-Vu	UCD	Power Combining and Waveform Shaping Power Amplifiers
Pham	Anh-Vu	UCD	Development of Light Weight and Compact Phased Array Antenna
Rabaey	Jan	UCB	Ultra Low Power Platforms for Neuro-Prostheses
Reinscheid	Rainer	UCI	Novel drug targets for treatment of schizophrenia
Schroeder	Julian	UCSD	Characterization of plant performance at elevated CO2