

2009-2010 LARGE GRANTS

Nicole Baumgarth, Associate Professor

Veterinary Medicine

Proposal title: Interdisciplinary Research Initiative for the Study of B Cell Migration during Infection

\$25,000.00

Jinoh Kim, Assistant Professor

School of Medicine

Proposal title: Construction of a mouse model for a craniofacial disease

\$25,000.00

Tania A. Ferguson, Assistant Professor

School of Medicine

Proposal title: Development and Validation of a Quantitative Measurement Technique for Hemi-Pelvic Displacement in the Injured Pelvis

\$12,000.00

Yohei Yokobayashi, Assistant Professor

Biomedical Engineering

Proposal title: Rapid and cost-efficient identification of bacterial small RNA targets by dual genetic selection

\$24,700.00

Lorena Navarro, Assistant Professor

Microbiology

Proposal title: The Role of TULPs in the Host Response against Yersinia Infection

\$25,000.00

David J. Segal, Associate Professor

School of Medicine

Proposal title: Methods for Genome Engineering

\$12,000.00

Archana Venkatesan, Assistant Professor

Comparative Literature & Religious Studies

Proposal title: Text, Memory and Performance at the Alvar Tirunagari Temple, South India

\$9,450.00

David Kyle, Associate Professor

Sociology

Proposal title: The Sacramento Diasporas Project: Immigrants and Organizations Surviving the Global Recession

\$23,627.00

Hilary Hoynes, Professor

Economics

Proposal title: Childhood Exposure to the Food Stamp Program, Long Run Health and Economic Outcomes

\$20,603.00

Brian Trainor, Assistant professor
Psychology
Proposal title: A new model for studying neurobiology of sex differences in depression
\$20,569.00

Hwai-Jong Cheng, Associate Professor
Center for Neuroscience
Proposal title: Axon Pruning Defects and Neuro-inflammation in Neuro-developmental Disorders
\$25,000.00

Marie E. Burns, Associate Professor
Center for Neuroscience/Ophthalmology & Vision Science
Proposal title: Modulation of synaptic gain in impulse retinal rod photoreceptors
\$12,000.00

J. Kent Leach, Assistant Professor
Biomedical Engineering
Proposal title: Cooperative Strategies for Designing Substrates for Gene Delivery
\$25,000.00

Sabyasachi Sen, Associate Professor
Chemical Engineering & Materials Science
Proposal title: Relationship between structure and transport in solid-oxide fuel cell materials
\$23,000.00

Amit Karvinde, Assistant Professor
Civil and Environmental Engineering
Proposal title: Transformational technologies for seismic connections in steel structures
\$12,000.00

Li Tian, Assistant Professor
Plant Sciences
Proposal title: A functional genomics approach toward the understanding of chemopreventive ellagitannin biosynthesis in plants
\$20,000.00

Tina Jeoh, Assistant Professor
Biological & Agricultural Engineering
Proposal title: Developing an Innovative Imaging Method to Investigate Enzyme Synergy in the Enzymatic Deconstruction of Plant-Cell Walls
\$24,996.00

Andrew J. Marshall, Assistant Professor
Anthropology
Proposal title: From individuals to landscapes: testing fundamental hypotheses about the reproduction of Bornean rainforest plants across a complex tropical landscape
\$12,000.00

Janko Gravner, Professor
Mathematics
Proposal title: Digital Snowflake: From a Mathematical Model to an Art Model
\$25,000.00

Frank Osterloh, Associate Professor
Mathematics
Proposal title: A Light-Assisted Biomass Fuel Cell for Renewable Electricity Generation
\$25,000.00

Dong Yu, Assistant Professor
Chemistry
Proposal title: Narrow bandgap semiconductor nanostructures for photovoltaic applications
\$12,000.00

Sharon Lawler, Professor
Entomology
Proposal title: Investigating the role of amphibian skin bacteria in combating a deadly disease of frogs
\$23,598.00

Jerold A. Last, Professor
School of Medicine
Proposal title: Particulate Matter Emitted from a Large Dairy: Bioassay of Toxicity
\$25,000.00

Marc B. Schenker, Professor
School of Medicine
Proposal title: Reducing the Risk of Heat Illness in California's Agricultural Workers
\$12,000.00