

2015-2016 LARGE GRANTS

Nael El-Farra, Professor
Chemical Engineering & Material Science
Proposal Title: Control and Optimization of Hybrid Renewable Energy Systems: Towards Robust Smart Grid Operations
\$25,000.00

Natarajan Sukumar, Professor
Civil & Environmental Engineering
Proposal Title: Efficient Solvers for Ill-Conditioned Problems
\$25,000.00

Helen Koo, Assistant Professor
Design Program
Proposal Title: Development of Fabric-based Wearable Monitoring Systems for Autism Spectrum Disorders
\$24,913.00

Burkhard Schipper, Professor
Economics
Proposal Title: Experiments on Decision-Making under Awareness
\$20,372.36

Soheil Ghiasiasihafezi, Associate Professor
Electrical & Computer Engineering
Proposal Title: Big Data in Agriculture: Automated Fruit Detection in Orchards
\$15,820.00

Christian Nansen, Assistant Professor
Entomology/Nematology
Proposal Title: Multidisciplinary research into crop health and advanced reote sensing technologies with particular reference to sustainable management of biotic stressors
\$25,000.00

Ali Anooshahr, Associate Professor
History
Proposal Title: The Elephant and the Sovereign in Medieval India
\$11,680.00

Marjorie Visser, Assistant Professor
Proposal Title: Restructured Opportunity: The Impact of the Great Recession on Employment in the US Labor Market
\$17,690.63

David Segal, Professor
MED: Biochem & Molecular Medicine
Proposal Title: Bacterial Argonauts - the Next Gen of Genome Editing
\$23,973.00

Yoshihiro Izumiya, Associate Professor

MED: Dermatology

Proposal Title: Kaposi's sarcoma-associated herpesvirus replication in salivary epithelial cells

\$25,000.00

Valentina Medici, Associate Professor

MED: Division of Internal Medicine

Proposal Title: Role of exosomes in the pathogenesis of alcoholic liver disease and its systemic manifestations

\$25,000.00

Jonathan Riess, Assistant Professor

MED: Division of Internal Medicine

Proposal Title: A Pilot Study of Multiplex Immunofluorescence to Optimize Hsp90 Client Oncoprotein Knockdown in EGFR-mutant Non-Small Lung Cancer (NSCLC)

\$25,000.00

Caroline Chantry, Professor

MED: General Pediatrics

Proposal Title: Associations between Maternal Diet, Breastmilk B-vitamin Adequacy, and Infant Serum Concentration among Non-supplemented Dyads in Rural Kenya

\$24,583.00

Noriko Satake, Assistant Professor

MED: General Pediatrics

Proposal Title: Novel Targeted Therapy for Childhood Acute Lymphoblastic Leukemia

\$25,000.00

Brian Jonas, Assistant Professor

Med: Internal Medicine

Proposal Title: A doxorubicin and Cytarabine Microdosing Feasibility Study in Acute Myeloid Leukemia

\$25,000.00

Jian-Jian Li, Professor

MED: Radiation Oncology

Proposal Title: Targeting HER2/STAT3-positive Cancer Stem Cells in Glioblastoma Multiforme Radiotherapy

\$25,000.00

Stanley Yap, Assistant Professor

MED: Urology

Proposal Title: Translating advances in knowledge to improvements in outcome in bladder cancer: Initial steps in developing a quality improvement initiative

\$25,000.00

Mingyi Chen, Associate Professor

MED: Pathology & Lab Medicine

Proposal Title: Identification of RBM38 as a regulator in hematological malignancies

\$25,000.00

Aladimir Yarov-Yarovoy, Assistant Professor
MED: Physiology & Membrane Biology
Proposal Title: Protein-peptide interface design: Natural peptide-based modulators of sodium channels
\$25,000.00

John Albeck, Assistant Professor
Molecular & Cellular Biology
Proposal Title: Guiding treatment for the RASopathies with single-cell imaging of signaling dynamics
\$24,306.00

Diasynou Fioravante, Assistant Professor
Neuro Physio & Behavior
Proposal Title: Cerebellar Circuits in the Regulation of Water

Gregg Recanzone, Professor
Neuro Physio & Behavior
Proposal Title: Age-related effects on auditory cortex
\$24,934.51

Xiangdong Zhu, Professor
Physics
Proposal Title: Developing zero-area loop Sagnac interferometers for investigating spin characters of surface states on topological insulators (TI)
\$25,000.00

Julin Maloof, Professor
Plant Biology
Proposal Title: Developing new tools to leverage crop wild relatives for crop breeding and improvement
\$24,950.00

Neelima Sinha, Professor
Plant Biology
Proposal Title: Development of a novel method for rapid and efficient genome editing in tomatoes
\$24,692.88

Philipp Zerbe, Assistant Professor
Plant Biology
Proposal Title: Discovery and Engineering of Plant Natural Product Biosynthetic Enzymes for Improved Human Health
\$21,787.31

Dina St. Clair, Professor
Plant Sciences
Proposal Title: Can tomato fruit quality be enhanced with reduced irrigation while also maintaining yields?
\$25,000.00

Arne Ekstrom, Associate Professor
Psychology
Proposal Title: A novel experimental device to investigate locomotion in large-scale virtual environments
\$21,161.00

Beatriz Martinez Lopez, Assistant Professor

VM: Medicine & Epidemiology

Proposal Title: Development of an early-warning system based on real-time risk assessment for the prevention and rapid control of Avian Influenza in California poultry industry

\$24,169.00

Nicole Baumgarth

VM: Pathology, Microbiology & Immunology

Proposal Title: Establishment of methodologies to study follicular dendritic cell-B cell interaction

\$25,000.00