

2012-2013 LARGE GRANTS

Cheryl Boudreau, Assistant Professor

Political Science

Proposal Title: Race, Information, and Ideology: Voting in Municipal Rank Choice Elections

\$24,971.00

James Chan, Assistant Professor in Residence

SOM: Pathology and Laboratory Medicine

Proposal Title: Multimodal Second Harmonic Generation (SHG) and Fluorescence Microscopy for Studying the Link between Cardiac Muscle Mechanical Stress and Arrhythmogenic Ca²⁺ activity

\$24,975.00

Mingyi Chen, Assistant Professor

SOM: Pathology and Laboratory Medicine

Proposal Title: Comprehensive Analysis of Microbial Signatures for Lymphomagenesis using a novel Microbial Detection Array

\$25,000.00

Joy Geng, Assistant Professor

Psychology

Proposal Title: Causal interactions between brain regions that encode reward incentives and attention

\$21,814.82

Dominik Haudenschild, Assistant Professor

SOM: Orthopaedic Surgery

Proposal Title: Sustained COMP/BMP2 Presentation from Osteoinductive Implants in Spinal Fusion

\$24,300.00

Sangtae Kim, Associate Professor

Chemical Engineering and Materials Science

Proposal Title: The First Step toward an Advanced All Solid-State Lithium-Ion Battery System: Grain-Boundary Engineering for Solid Electrolytes

\$23,959.00

Cynthia Lin, Assistant Professor

Agricultural and Resource Economics

Proposal Title: The effects of environmental regulation on productivity, investment and emissions

\$24,985.00

Xiaoguang Liu, Assistant Professor

Electrical & Computer Engineering

Proposal Title: High Power Handling High-Q Varactors in Thick-film Piezoelectric Actuators

\$24,935.00

Veronica Martinez Cerdeno, Assistant Professor

SOM: Pathology and Laboratory Medicine

Proposal Title: Human BDNF-GDNF expressing mesenchymal stem cell treatment for spinal cord injury

\$25,000.00

Mark Mascal, Professor
Chemistry
Proposal Title: Highly efficient synthetic approaches to new anti-malarial drugs
\$21,164.00

Bill McCarthy, Professor
Sociology
Proposal Title: The Benefits of Adolescent Happiness
\$8,695.00

Tara Niendam, Assistant Professor in Residence
SOM: Psychiatry and Behavioral Sciences
Proposal Title: Neural Predictors of Risk for Psychosis and Mania (RPM)
\$24,889.00

Stephen Noctor, Assistant Professor in Residence
SOM: Psychiatry and Behavioral Sciences
Proposal Title: Microglial regulation of neocortical development
\$24,845.00

Brenda Schildgen, Professor
Comparative Literature
Proposal Title: Transcultural Receptions of ancient, medieval, and early modern art, architecture, ideas and culture
\$17,840.00

Erkin Seker, Assistant Professor
Electrical & Computer Engineering
Proposal Title: Engineering the Performance of Cell-Based Biosensors at Nanometer-Scale
\$15,000.00

Andrea Townsend, Assistant Professor
Wildlife, Fish and Conservation Biology
Proposal Title: Urbanization and the socio-ecological risk factors for West Nile virus in American crows
\$21,954.00

Dong Yu, Assistant Professor
Physics
Proposal Title: Understanding and Optimizing Nanowire Surfaces and Interfaces with Photocurrent Microscopy towards Efficient Nanowire Optoelectronics
\$25,000.00