

## 2017-2018 COR LARGE GRANTS

Louise Berben, Chemistry

Project title: Ammonia Activation for Hydrogen Storage

\$25,000.00

Matthew Bishop, Computer Science

Project title: Modeling the Insider Threat

\$24,945.00

Mary Cadenasso, Plant Sciences

Project title: Urban landscapes in transition: Consequences of residential lawn conversion on water consumption and thermal comfort

\$24,987.00

James Chan, School of Medicine: Pathology & Lab Medicine

Project title: Improving the Speed of Raman Microscopy with Multifocal Detection for Carbon Nanotube Imaging

\$25,000.00

Erin Hamilton, Sociology

Project title: The Impact of the Deferred Action for Childhood Arrivals (DACA) Program on the Wellbeing of Undocumented Californians

\$20,010.00

William Hubert, Political Science

Project title: U.S. District Court Database

\$18,443.00

Anne Knowlton, School of Medicine: Division of Internal Medicine

Project title: The Role of Senescent Endothelial Cells from the Systemic Circulation in the Development and Progression of Alzheimer's Disease

\$25,000.00

Bo Liu, Plant Biology

Project title: Assembling centrosome-independent spindles for cell division

\$25,000.00

Beatriz Martinez Lopez, School of Veterinary Medicine: Medicine & Epidemiology

Project title: Investigating raccoon abundance, home range and Baylisascaris procyonis prevalence in Yosemite National Park and its association with human occupancy in Yosemite Valley

\$25,000.00

David Olson, Chemistry

Project title: Measuring Amino Acid Metabolism using 19F Magnetic Resonance Spectroscopy  
\$25,000.00

John Owens, Electrical & Computer Engineering

Project title: Implementing Sparse Tensors on GPUs  
\$14,491.00

Marianne Page, Economics

Project title: Multigenerational Effects of the Safety Net  
\$25,000.00

Claudia Sanchez-Gutierrez, Spanish & Portuguese

Project title: UCD Spanish Learner and Heritage Speaker Corpus  
\$24,792.00

Lisa Tell, School of Veterinary Medicine: Medicine & Epidemiology

Project title: Hummingbirds On the Wing: Radiofrequency Identification Technology for Studying Charismatic Avian Helicopters in Urban Gardens  
\$24,869.00

Marjorie Visser, Human Ecology

Project title: The Policy Innovation and Diffusion of Local Migrant Labor Market Regularizations in the US  
\$22,450.00

Barton Wise, School of Medicine: Div. of Internal Medicine

Project title: The Effect of Mindfulness Based Stress Reduction on Pain and Function in Persons with Knee Osteoarthritis  
\$25,000.00

Vladimir Yarov-Yarovoy, School of Medicine: Physiology & Membrane Biology

Project title: Design of novel ion channel modulators using Artificial Intelligence  
\$25,000.00

Philipp Zerbe, Plant Biology

Project title: Plant-microbe twitter: Elucidating and engineering plant-microbe interactions for improved crop health.  
\$24,216.40

Tina Zicari, Biological & Agriculture Engineering

Project title: Ultra-High-Pressure Pretreatment of Cellulosic Biomass for Bioconversion to Biofuels and Bioproducts  
\$24,994.38