

**AY2016 Awards Made by USC Office of Research**

<b>Award Program</b>	<b>PI Name</b>	<b>PI School</b>	<b>Co-PIs/Mentors</b>	<b>Co-PI School</b>	<b>Award Amount</b>	<b>Proposal Title</b>
Collaboration Fund	Annette Kim	Sol Price School of Policy	François Bar, Victor Jones, Taj Frazier, Holly Willis	Annenberg School for Communication School of Architecture Annenberg School of Communication Cinematic Arts	\$30,000	Interdisciplinary Research Initiative on Race, Class, and Aesthetics in Urban Placemaking (RCAUP)
Collaboration Fund	Donna Spruijt-Metz	Dornsife College of Letters, Arts & Sciences	William Swartout	Centers for Creative Technologies	\$30,000	USC Transdisciplinary Collaboratory for Mobile and Connected Health (USC mHealth Collaboratory)
Collaboration Fund	Marc Weigensberg	Keck School of Medicine	George Salem, Yogi Matharu	Herman Ostrow School of Dentistry of USC Herman Ostrow School of Dentistry of USC	\$30,000	Institute for Integrative Health Collaborative Research Group
Collaboration Fund	Michael Jakowec	Keck School of Medicine	Giselle Petzinger, John Walsh, Beth Fisher	Keck School of Medicine Davis School of Gerontology Herman Ostrow School of Dentistry of USC	\$25,000	Neuroplasticity and Repair in Degenerative disorders
Collaboration Fund	Morteza Dehghani	Dornsife College of Letters, Arts & Sciences			\$7,400	Big Data and Human Behavior Speaker Series
Collaboration Fund	Sofia Gruskin	Keck School of Medicine	Alex Capron, Charlie Kaplan	Gould School of Law School of Social Work	\$24,975	USC Law and Global Health Working Group
Collaboration Fund	Yaniv Bar-Cohen	Keck School of Medicine	Jessica Rousset, Gerald Loeb, George Tolomiczenko	Children's Hospital Los Angeles Viterbi School of Engineering Keck School of Medicine	\$30,000	Center for Technology and Innovation in Pediatrics
Core Instrumentation	John O'Brien	Viterbi School of Engineering			\$299,380	W.M. Keck Foundation Photonics Center Mask Aligner Proposal
Core Instrumentation	Steve Nutt	Viterbi School of Engineering			\$299,500	Wavelength Dispersive X-Ray Fluorescence Spectrometer
Ming Hsieh	Andrew Mackay	USC School of Pharmacy	Alan Epstein, Peter Conti	Keck School of Medicine Keck School of Medicine	\$115,000	Bispecific hybrid nanoworms for immunotherapy of B-cell lymphoma
Ming Hsieh	Richard Roberts	Viterbi School of Engineering	Mitchell Gross, Terry Takahashi	Keck School of Medicine Dornsife College of Letters, Arts & Sciences	\$115,000	Developing new Diagnostics and Therapeutics for an Immune Checkpoint
Ming Hsieh	Stan Louie	USC School of Pharmacy	Kathleen Rodgers, Nicos Petasis, Louis Dubeau	School of Pharmacy Dornsife College of Letters, Arts & Sciences Keck School of Medicine	\$115,000	Optimizing PEOX Formulated C125 for TNBCs
Ming Hsieh	Julio Camarero	USC School of Pharmacy	Ite Laird-Offringa	Keck School of Medicine	\$120,000	Development of novel PD1/PD-L1 antagonists using circular Cysknotted micro proteins
Ming Hsieh	Keigo Machida	Keck School of Medicine	Anthony El-Khoueiry, Peter Kuhn	Keck School of Medicine Viterbi School of Engineering	\$120,000	Therapeutic Immunoglobulin targeting Tumor-initiating Stem-like Cells for Treatment of Malignant Liver Cancer with Fast and Accurate Diagnosis
Ming Hsieh	Akil Merchant	Keck School of Medicine	Peter Kuhn, Parkash Gill	Viterbi School of Engineering Keck School of Medicine	\$120,000	Immune Profiling Patients Treated with sEph4-HSA
Ming Hsieh	Pin Wang	Viterbi School of Engineering	Mike Wong	Keck School of medicine	\$120,000	Engineering Tumor Stroma-Targeted Protein Therapeutics to Enhance Cancer Immunotherapy
Rose Hills	Stacey Finley	Viterbi School of Engineering			\$75,000	Computational Model to Identify Novel Therapeutic Targets that Inhibit the Metabolism of Pancreatic Cancer
Rose Hills	Nicholas Graham	Viterbi School of Engineering			\$75,000	Defining the role of genomic instability in basal-like breast cancer metabolism
Rose Hills	Andrew Hires	Dornsife College of Letters, Arts & Sciences			\$75,000	Optogenetic approaches to understanding and restoring touch sensation
Rose Hills	Naomi Levine	Dornsife College of Letters, Arts & Sciences			\$75,000	Small organisms with a large climate footprint

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Zumberge Individual					\$18,000	Mentor Awards
Zumberge Individual	Annie Nguyen	Keck School of Medicine			\$29,715	Social support and the caregiving needs and preferences of older adults living with HIV
Zumberge Individual	Anoopindar Bhalla	Keck School of Medicine	Christopher Newth	Keck School of Medicine	\$30,000	Methods to Personalize Pediatric PEEP Titration
Zumberge Individual	Emily Smith-Greenaway	Dornsife College of Letters, Arts & Sciences			\$27,507	Unintended Fertility in sub-Saharan Africa: Refining Measurement and Understanding of its Prevalence and Consequences for Children
Zumberge Individual	Gourab Mukherjee	Marshall School of Business	Paat Rusmevichientong	Marshall School of Business	\$23,500	High-Dimensional Prediction under Asymmetric Check Loss
Zumberge Individual	Ilya Lekht	Keck School of Medicine	Vinay Duddalwar	Keck School of Medicine	\$30,000	Role of quantitative contrast-enhanced ultrasound in yttrium-90 (90Y) radioembolization of hepatocellular carcinoma
Zumberge Individual	Jessica Marglin	Dornsife College of Letters, Arts & Sciences	Naomi Stolzenberg	Gould School of Law	\$29,975	Nationality on Trial: Jews and the Making of the Modern Mediterranean
Zumberge Individual	Joel Hahn	Dornsife College of Letters, Arts & Sciences	Alan Watts	Dornsife College of Letters, Arts & Sciences	\$30,000	Correlated Neuroactivational, Neuroanatomical, and Behavioral Analyses of a Novel Hyperaggression Model.
Zumberge Individual	Joon-Ho Choi	School of Architecture	Cyrus Shahabi	Viterbi School of Engineering	\$29,675	User-Centered Integrative Building System Control Using Human Bio-Signals for Environmental Health and Sustainability
Zumberge Individual	Leah Duker	Ostrow School of Dentistry	Sharon Cemak	Ostrow School of Dentistry	\$29,400	Environmental Predictors of Stress in Children Undergoing Chemotherapy Infusions
Zumberge Individual	Rita Burke	Keck School of Medicine	Jeffrey Upperman	Keck School of Medicine	\$30,000	Mixed methods to identify factors in disaster preparedness for children with special healthcare needs
Zumberge Individual	Xuejuan Jiang	Keck School of Medicine			\$29,560	Helicobacter pylori Infection and Primary Open-angle Glaucoma among Mexican Americans: an Example of Microbiota-Gut-Brain Axis?
Zumberge Individual	Zhuo Wang	Keck School of Medicine	Daniel Holschneider	Keck School of Medicine	\$30,000	Chemogenetic study of the role of prefrontal cortex in resting state brain network
Zumberge Interdisciplinary Large	David Agus	Keck School of Medicine	Andrea Armani, Shannon Mumenthaler, Patrick Maloney	Viterbi School of Engineering Keck School of Medicine USC Stevens Center for Innovation	\$72,000	Correlating physical and biochemical markers of cancer to aggressiveness
Zumberge Interdisciplinary Large	Sergey Nuzhdin	Dornsife College of Letters, Arts & Sciences	Paul Marjoram, Travis Longcore	Keck School of Medicine School of Architecture	\$85,000	Population Environmental Genomics of Crop Improvement.
Zumberge Interdisciplinary Small	Douglas Capone	Dornsife College of Letters, Arts & Sciences	Eva Kanso	Viterbi School of Engineering	\$10,000	Storage of pathogens in biofilms during drought and subsequent release upon rewetting.
Zumberge Interdisciplinary Small	Mark Humayun	Keck School of Medicine	Holly Willis	Cinematic Arts	\$10,000	Sensory Plasticity and Neurotechnology (SPAN) Science & Technology Center film
Zumberge Interdisciplinary Small	Genevieve Giuliano	Sol Price School of Public Policy	Marlon Boarnet Maged Dessouky Petros Ioannou	Sol Price School of Public Policy Viterbi School of Engineering Viterbi School of Engineering	\$10,000	University Transportation Centers Program
Zumberge Interdisciplinary Small	Beth Fisher	Ostrow School of Dentistry	Lucinda Carver	Thorton School of Music	\$10,000	The Relation between Interhemispheric Inhibition and Musician's Skill Level
Zumberge Interdisciplinary Small	Rajiv Kalia	Dornsife College of Letters, Arts & Sciences	Priya Vashista, Aiichiro Nakano	Viterbi School of Engineering Viterbi School of Engineering	\$10,000	Multiscale physics and chemistry of dynamic events in composite materials at ultra high temperature And pressure