

Past Recipients for the Zumberge Individual/Interdisciplinary Awards

2012 Interdisciplinary Awards

Yigal Arens, Information Sciences Institute, Viterbi School of Engineering
Geoffrey Cowan, Center on Communication Leadership & Policy, Annenberg School for Communication & Journalism
Mark Latonero, Center on Communication Leadership & Policy, Annenberg School for Communication & Journalism
“Developing information technology to disrupt human trafficking and the commercial sexual exploitation of children.”

David Conti, Preventive Medicine, Keck School of Medicine of USC
Sergey Nuzhdin, Molecular Biology, Dornsife College of Letters, Arts and Sciences
Paul Thomas, Preventive Medicine, Keck School of Medicine of USC
“USC Integrated Functional Genomic Analysis Center”

Tzung Hsiai, Biomedical Engineering, Viterbi School of Engineering
Yang Chai, Center for Cranial Facial Molecular Biology, Herman Ostrow School of Dentistry
Kirk Shung, Biomedical Engineering, Viterbi School of Engineering
David Warburton, Pediatrics at CHLA, Keck School of Medicine of USC
“Hybrid BioFlex System for Electromechanical Coupling of Injured and Regenerating Tissues”

Thomas Lyon, Gould School of Law
Albert Rizzo, Institute for Creative Technologies
Thomas Talbot, Institute for Creative Technologies
“Investigative Child Interviewing: Learning through Interaction with a Virtual Child”

Paul Newton, Aerospace and Mechanical Engineering, USC Viterbi School of Engineering
Paul Macklin, Center for Applied Molecular Medicine, Keck School of Medicine of USC
“Establishing The Center for Integrative Computational Oncology at VSOE/KSOM”

2012 Individual Awards

Sanjeev Baniwal, Department of Orthopaedics, Keck School of Medicine
“Role of Prolactin-induced protein in regulating cytoskeleton dynamics and proliferation of breast cancer cells”

Todd Chang, Department of Pediatrics, Keck School of Medicine
“Multimedia in the Assessment of Clinical Decision Making Skills among Pediatric and Emergency Medicine Residents”

William Halfond, Department of Computer Science, Viterbi School of Engineering
“Estimating Mobile Software Power Consumption Using Program Analysis”

Houchun Hu, Department of Pediatrics, Keck School of Medicine
“Magnetic Resonance Imaging of Human Brown Adipose Tissue”

Jimi Huh, Institute for Prevention Research, Keck School of Medicine
“Ecological Contexts of Smoking among Korean American Emerging Adults”

Eve Kelland, Department of Neurology, Keck School of Medicine
“Humanizing mouse CNS stem cells: defining functional human CXCR1 expression in murine neural stem cells and their use in developing a humanized CXCR1 mouse for assessing the pathology of demyelinating diseases”

May Anne Kim-Tenser, Department of Neurology, Keck School of Medicine
“The Use of Minocycline in Intracerebral Hemorrhage”

Aaron Lauda, Department of Mathematics, Dornsife College of the Letters and Sciences
“Odd categorification of quantum groups”

Anne Schuckman, Department of Urology, Keck School of Medicine
“Human Papilloma Virus as a Novel Prognostic Factor in Penile Squamous Cell Carcinoma”

Susan Sigward, Department of Biokinesiology & Physical Therapy, Ostrow School of Dentistry
“The Development of Postural Strategies in Children”

Sheila Sofian, School of Cinematic Arts
“Truth Has Fallen”

Kelly Turner, School of Social Work
“An Experimental Examination of the Use of Standardized Clients to Develop Military-Specific Clinical Skill among MSW Students”

2011 Interdisciplinary Awards

David Baron, Department of Psychiatry, Keck School of Medicine
Marientina Gotsis, School of Cinematic Arts
“Entertainment Technology Innovation for Prevention, Assessment and Treatment of Head/Neck Injury in Youth Sports”

Isabelle Brocas, Department of Economics, Dornsife College of Letters, Arts and Sciences
Juan Carrillo, Department of Economics, Dornsife College of Letters, Arts and Sciences
Lian Jian, Annenberg School for Communication and Journalism

John Monterosso, Department of Psychology, Dornsife College of Letters, Arts and Sciences
“New Challenges for Economic Decision-making: Biology, Neuroscience and Economic Models”

Moh El-Naggar, Department of Physics and Astronomy, Dornsife College of Letters, Arts, and Sciences
Urbashi Mitra, Electrical Engineering Systems, Viterbi School of Engineering
“Electrical Signaling in Microbial Communities”

Jane Emerson, Department of Pathology, Keck School Medicine
Steven Nutt, Department of Materials Science, Viterbi School of Engineering
“Photopolymer Development for Density-driven Separation of Blood Components”

Eun Sok Kim, Electrical Engineering/Electrophysics, Viterbi School of Engineering
Mitchell Gross, Department of Medicine, Keck School of Medicine
“Integrated Micromechanical Platform for Spatially-Targeted Cancer Diagnosis and Therapeutics”

Patrick James, School of International Relations, Dornsife College of Letters, Arts, and Sciences
Jonathan Samet, Department of Preventive Medicine, Keck School of Medicine
“Public Health in Africa: The Religious Dimension”

Sean Curran, Department of Bio-Gerontology, Davis School of Gerontology
Matthew Pratt, Department of Chemistry, Dornsife College of Letters, Arts and Sciences
“Identification of O-GlcNAc Modified Proteins”

2011 Individual Awards

Xiaoyi Gao
Department of Ophthalmology, Keck School of Medicine
“Multiple Testing Corrections for Imputed SNPs in Latino Genome-wide Association Studies”

Erick Guerrero
School of Social Work
“Implementation of Co-occurring Disorder Treatment in Behavioral Health Services in L.A. County”

Shinwu Jeong
Department of Ophthalmology, Keck School of Medicine
“A Novel Anti-inflammatory Peptide Therapeutic for Dry Eye Disease”

Rongjie Lai
Department of Mathematics, Dornsife College of Letters, Arts and Sciences
“Computational Geometry and Applications to Medical Imaging”

Shuanglong Liu
Department of Radiology, Keck School of Medicine
“Melanin-targeted PET imaging of Melanoma Using Quinoxaline Derivatives”

Yan Liu
Department of Computer Science, Viterbi School of Engineering
“Granger Graphical Models for Scientific Discovery in Biology, Social Science and Climate Science”

Amy Merrill-Brugger
Department of Biomedical Sciences, Ostrow School of Dentistry
“Defining the Distinction between Cell Surface and Nuclear Activities of FGFR2 Signaling During Skeletal Development”

Azin Shahryarnejad
Department of Obstetrics/Gynecology, Keck School of Medicine
“Genetic Predictors and Epigenetics of Female Organ Prolapse”

Susumu Takahashi
Department of Chemistry, Dornsife College of Letters, Arts and Sciences
”Towards Single Spin Detection Using Diamond Nanocrystals: Sensitivity Enhancement via Manipulating Spin Coherence Using High Magnetic Field”

Terry Takahashi
Department of Chemistry, Dornsife College of Letters, Arts and Sciences
“Engineering RNA Binding Proteins with Novel Specifics”

Heather Volk
Department of Environmental Health, Keck School of Medicine
“A Birth Records Based Analysis of Autism and Air Pollution in Anaheim”

Hsiao Huei (Juli) Wu
Department of Cell & Neurobiology, Keck School of Medicine
“MET/HGF Signaling in Hearing Development and Autism”

2010 Interdisciplinary Awards

"Biofluid Dynamics and Transport Phenomena: Experimentation and Mathematical Approaches to Retinal Detachment"
Satwindar Sadhal, Aerospace and Mechanical Engineering, Viterbi School of Engineering
David Hinton, Department of Pathology and Ophthalmology, Keck School of Medicine

“Center for Body Computing”
Leslie Saxon, Cardiovascular Medicine, Keck School of Medicine
Ashish Soni, Information Technology Program, Viterbi School of Engineering

"Dimensions in Biodiversity: From Natural to Urban"
Sergey Nuzhdin, Department of Molecular Biology, College of Letters, Arts and Sciences
Andrew Smith, Computational Biology, College of Letters, Arts and Sciences
Jim Haw, Environmental Studies, College of Letters, Arts and Sciences
Constantinos Sioutas, Civil Engineering, Viterbi School of Engineering

“Entertainment-Education to Reduce Obesity in At-Risk Minority Youth”
Jeremy Kagan, Production Division, School of Cinematic Arts
Donna Spruijt-Metz, Preventive Medicine, Keck School of Medicine

"Inside the Renaissance"
Peter Mancall, Department of History, College of Letters, Arts and Sciences
Adam Gilbert, Thornton School of Music
Diane Winston, Annenberg School for Communication and Journalism

“Preparation of Proposal to Relocate the National Solar Observatory to USC”

Edward Rhodes, Jr., Department of Physics and Astronomy, College of Letters, Arts and Sciences
Cyrus Shahabi, Computer Science, Viterbi School of Engineering

“PTEN and Maf-1: Defining a Novel Molecular Link between Obesity and Cancer”

Deborah L. Johnson, Department of Biochemistry and Molecular Biology, Keck School of Medicine
Bangyan Stiles, Pharmacology and Pharmaceutical Sciences, School of Pharmacy

“Smart Biomaterials for Efficient Attachment to Central Nervous System”

James Weiland, Department of Ophthalmology, Keck School of Medicine
Mark E. Thompson, Department of Chemistry, College of Letters, Arts and Sciences

“Towards Interactive Architecture”

Qingyun Ma, School of Architecture
Michael Arbib, Computer Science, Viterbi School of Engineering

2010 Individual Awards

Jernej Barbic

Department of Computer Science, Viterbi School of Engineering
"Interactive Physical Simulation for Computer Graphics, Film and Games"

Marco Bortolato

Pharmacology & Pharmaceutical Science, School of Pharmacy
"Role of Monoamine Oxidase in the Outcomes of Early Material Separation"

Kai Chen

Department of Radiology, Keck School of Medicine
"[18F]FMAU PET Assessment of Chemotherapeutic Response in Non-Small Cell Lung Cancer"

Ramen H. Chmait

Department of Obstetrics & Gynecology, Keck School of Medicine
"A Fetal Surgical Model for Neural Stem Cell Delivery and Myelomeningocele Repair"

Yingying Fan

Department of Information & Operations Management, Marshall School of Business
"New Methodologies for High Dimensional Sparse Models"

Malancha Gupta

Department of Chemical Engineering & Material Science, Viterbi School of Engineering
"Fabrication of Bio-Inspired Nanostructured Polymeric Materials"

Roksana Karim

Pediatrics/Preventive Medicine, Keck School of Medicine
"Subclinical Atherosclerosis in HIV-infected Children and Adolescents"

Kathleen Page

Department of Internal Medicine, Keck School of Medicine
"Mechanisms Underlying Risk for Obesity and Type 2 Diabetes in Hispanic Youth with a History of Intrauterine Exposure to Gestational Diabetes Mellitus"

Mark Shiroishi
Department of Radiology, Keck School of Medicine
"Assessing the Value of Perfusion and Permeability MR Imaging to Characterize Pseudoprogression and Pseudoresponse in Patients with High-Grade Glioma"

Barbara Thompson
Department of Cell & Neurobiology, Keck School of Medicine
"Social Motivation in Children with and without Autism"

Xuelin Wu
Department of Biology/MCB, College of Letters, Arts and Sciences
"Identification of Early Molecular Events in Sugar-Induced Dedifferentiation in *Arabidopsis thaliana*"

2009 Interdisciplinary Awards

"Center for Dark Energy Biosphere Investigations"
Katrina Edwards, Department of Biological Sciences
Ellis Meng, Viterbi School of Engineering

"Center for Regional Climate Change"
Lowell Stott, Department of Earth Sciences
John Wilson, Department of Geography

"Center for Transpacific Studies"
Janet Hoskins, Department of Anthropology, College of Letters, Arts and Sciences
Viet Nguyen, Department of English, College of Letters, Arts and Sciences

"Cognitive Task-Analysis to Develop a Competency-Based Surgical Curriculum"
Craig Baker, Keck School of Medicine
Maura Sullivan, Rossier School of Education

"Development of Health Information Technology using HIV/AIDS Care Model"
Andrea Kovacs, Keck School of Medicine
Walter Wolf, School of Pharmacy

"Initiative on Community and Systems Resilience"
Robert Neches, Viterbi School of Engineering
Jeffrey Upperman, Children's Hospital Los Angeles

"Nanosecond Pulsed Power Science and Technology Center"
Martin Gunderson, Viterbi School of Engineering
Darnell Cole, Rossier School of Education

"National Center for RMSI at USC"
Massoud Pedram, Viterbi School of Engineering
Simon Wilkie, College of Letters, Arts and Sciences

"Regulatory T Cells as Predictors of Biophosphonate Related Osteonecrosis of the Jaw"
Ahn Le, School of Dentistry
Augustin Garcia, Keck School of Medicine

"Target Driven Drug Development for Colon Cancer"
Robert Ladner, Keck School of Medicine
Stan Louie, School of Pharmacy

2009 Individual Awards

Curtis Cetrulo
Department of Surgery, Keck School of Medicine
"Long-term Permanent Gene Expression in Myocutaneous Flaps"

Roberto Delgado
Department of Anthropology, College of Letters, Arts and Sciences
"Variation in Diet, Behavior and Energy Budgets among Zanzibar Red Colobus"

Alireza Dibazar
Department of Anthropology, College of Letters, Arts and Sciences
"Nonlinear Dynamic Modeling of Impaired Voice for the Purpose of Restoring Lost Function"

Reyes Enciso
School of Dentistry
"Differential Diagnosis of Periapical Lesions with Cone-Beam CT"

Rahul Jain
Department of Electrical Engineering, Viterbi School of Engineering
"Economics of Quality of Service on the Internet"

Zibo Li
Department of Radiology, Keck School of Medicine
"Integrin $\alpha 2\beta 1$ Targeted Imaging of Prostate Cancer"

Keigo Machida
Department of Microbiology and Immunology
"Hepatocellular Carcinoma Induced by Hepatitis C Virus"

Francesca Mariani
Department of Cell & Neurobiology, Keck School of Medicine
"Skeletal Regeneration in Adult and Neonate Mice"

Coralie Poizat
Department of Biochemistry, Keck School of Medicine
"Role of LMPTP in Cardiac Contractility"

B.J. Shen
Department of Psychology, College of Letters, Arts and Sciences
"Anxiety and Progression of Subclinical Coronary Heart Disease"

Gregory Stevens
Department of Medicine, Keck School of Medicine
"National Disparities in the Quality of a Medical Home for Children"

2008 Interdisciplinary Awards

"Air Pollution and Brain Aging: Mechanisms and Intervention"
Tuck Finch, Gerontology
Costas Sioutas, Viterbi School of Engineering

"Application of Nanotechnology to Vesicoureteral Reflux Research"
Andy Chang, Keck School of Medicine
Travis Williams, College of Letters, Arts and Sciences

"Bioinformatics Information Research Network"
Carl Kesselman, Information Sciences Institute

"Center for Deep Energy Biosphere Investigations"
Katrina Edwards, College of Letters, Arts and Sciences
Ellis Meng, Viterbi School of Engineering

"Center for the Study of Immigrant Integration"
Dowell Myers, School of Policy, Planning and Development
Manuel Pastor, College of Letters, Arts and Sciences

"Collaborative Research Program on the Space Sciences Center and Space Engineering Research Center"
Joseph Kunc, Viterbi School of Engineering
Darrell Judge, College of Letters, Arts and Sciences

"Computerized Pediatric Acute Critical Event Training and Simulation"
Solomon Behar, CHLA
Jeffrey Upperman, Keck School of Medicine
Robert Neches, Viterbi School of Engineering

"Electronics and Nano-Energetics Integration"
Priya Vashishta, College of Letters, Arts and Sciences
Rajiv Kalia, Viterbi School of Engineering

"Integrated Approaches toward Predictive Personalized Medicine"
Jasmine Zhou, College of Letters, Arts and Sciences
Heinz-Josef Lenz, Keck School of Medicine

"Interdisciplinary Program on Microbiology"
Steven Goodman, School of Dentistry
Steven Finkel, College of Letters, Arts and Sciences

"Microfluidic Synthesis of TiO₂ Nanocrystals"
Richard Brutchey, College of Letters, Arts and Sciences
Noah Malmstad, Viterbi School of Engineering

"Regenerating Urban Neighborhoods"
Juliet Musso, School of Policy, Planning and Development
Jefferey Sellers, College of Letters, Arts and Sciences

"Toward a University Research Center on Megacities"
Jean-Pierre Bardet, Viterbi School of Engineering
Adam Rose, School of Policy, Planning, and Development

"Urban-Scale Computer-Aided Sustainable Design"
Karen Kensek, School of Architecture
Cyrus Shahabi, Viterbi School of Engineering

"USC Interdisciplinary Program for Molecular Research"
Nicos Petasis, College of Letters, Arts and Sciences
Nouri Neamati, School of Pharmacy

"Vehicle Pollution and Children's Health in Southern California"
Rob McConnell, Keck School of Medicine
John Wilson, College of Letters, Arts and Sciences
Jennifer Wolch, College of Letters, Arts and Sciences

"Virtual Climate Change Institute Workshop"
Lowell Stott, College of Letters, Arts and Sciences
Ana Chervenak, Information Sciences Institute

"Virtual Practice for Removable Partial Denture Design"
Timothy Saunders, School of Dentistry
Paul Debevec, Institute for Creative Technologies

"Wrigley Institute and Cinematic Arts Science/Art Conference"
Tony Michaels, College of Letters, Arts and Sciences
Kathy Smith, School of Cinematic Arts

2008 Individual Awards

Hossein Ameri

Doheny Eye Institute, Keck School of Medicine
“Subchoroidal Retinal Prosthesis for Sight Restoration”

Woojin An
Department of Biochemistry & Molecular Biology, Keck School of Medicine
“Development of Cell Permeable Histone H3 Tail Mimics as a Transcription Blockade”

Zemin Deng
Department of Psychiatry & Behavioral Sciences, Keck School of Medicine
“Discovery of X-linked Genetic Loci for Schizophrenia Using Next Generation DNA Re-sequencing”

David Etzioni
Department of Colorectal Surgery, Keck School of Medicine
“Adjuvant Therapy for Colon and Rectal Cancer in Los Angeles County: Analysis of Use, Strategies for Improvement”

Amani Fawzi
Department of Ophthalmology, Keck School of Medicine
“The Use of Ultrasound to Enhance Drug Delivery to Ocular Tumors”

Derick Han, Department of GI and Liver, Keck School of Medicine
“New Strategies to Reduce Drug Induced Liver Injury”

Jinchi Lv
Marshall School of Business
“High Dimensional Variable Selection and Covariance Matrix Estimation”

Nerses Sanossian
Department of Neurology, Keck School of Medicine
“Dysfunctional High-Density Lipoprotein Cholesterol and the Brain”

Dong Song
Department of Biomedical Engineering, Viterbi School of Engineering
“Nonlinear Dynamic Modeling of Hippocampal System Function during Learned Behavior and Memory Formation”

Olga Solomon
Occupational Sciences, School of Dentistry
“Animal Assisted Therapy as Socially Assistive Technology: Implications for Autism”

Wiebke Ziebis
Department of Biological Sciences, College of Letters Arts and Sciences
“Animal-Sediment-Microbe Interactions at Pacific Methane Seeps”

2007 Interdisciplinary Awards

"Biology and Therapy of Pediatric Brain Tumors"
Robert Seeger, Department of Oncology

Anat Erdreich-Epstein, Department of Pediatrics
Antonio Ortega, Department of Electrical Engineering

"Cardiovascular Research Core at USC"
Tzung Hsiai, Department of Biomedical Engineering
Fengzhu Sun, Department of Biological Sciences
Kelvin Davies, School of Gerontology
Mark Barr, Department of Surgery

"Center for Quantum Information Science and Technology"
Daniel Lidar, College of Letters, Arts and Sciences
Stephan Haas, College of Letters, Arts and Sciences
Todd Brun, Department of Electrical Engineering

"Center for Sound at USC"
Tomlinson Holman, School of Cinematic Arts
Joanna Demers, Thornton School of Music

"Computation of Loads on the Musculoskeletal System of Humans and Animals Using 3-D Modeling"
Henryk Flashner, Department of Aerospace and Mechanical Engineering
Jill McNitt-Gray, Department of Kinesiology
Xiaoming Wang, Department of Biological Sciences
Reyes Enciso, School of Dentistry

"Cultivating Interdisciplinary Technology Innovation: Collaboratory for Technology and Culture at USC"
Anne Balsamo, School of Cinematic Arts
Doug Thomas, Annenberg School of Communication
Milind Tambe, Viterbi School of Engineering

"Emotion, Decisionmaking, and the Brain"
Antoine Bechara, College of Letters, Arts and Sciences
Ann Crigler, College of Letters, Arts and Sciences
Joseph Priester, Marshall School of Business
Thomas Lyon, Gould School of Law
Sheila Murphy, Annenberg School of Communication

"Exercise-Induced Neuroplasticity in Individuals with Parkinsons"
Beth Fisher, School of Dentistry
Michael Arbib, Viterbi School of Engineering
Richard Leahy, Viterbi School of Engineering

"Generating Sustained Funding for Interdisciplinary Research via the Southern California Population Research Center"
Lynne Casper, College of Letters, Arts and Sciences
Eileen Crimmins, School of Gerontology

"Global Analysis of TGF-Beta Signaling-Mediated Cell Cycle Regulators during Palatogenesis"
Yang Chai, School of Dentistry

Joseph Hacia, Keck School of Medicine

“Gospel Music History Archive”

Todd Grappone, USC Libraries

Ronald McCurdy, Thornton School of Music

"Interdisciplinary Technology Center for Child-Centric Societal Applications"

Shri Narayanan, Department of Electrical Engineering

Robert Rueda, School of Education

Gayla Margolin, Department of Psychology

Jo Ann Farver, Department of Psychology

“Interdisciplinary USC Program in Microbiology”

Steven Goodman, School of Dentistry,

Katrina Edwards, Department of Biological Sciences

Steven Finkel, Department of Molecular Biology

“Investigating How Genes Interact with Child Abuse and Neglect to Influence Mental Health”

Penelope Trickett, School of Social Work

Carol Prescott, Department of Psychology

“Late Emergence of Circadian Heart Rhythm in Indonesian Infants”

Toke Hoppenbrouwers, Department of Pediatrics

Michael Khoo, Department of Biomedical Engineering

"Pilot Study: Angiotensin (1-7) Mediated Recovery from Radiation Exposure"

Dolph Ellefson, Keck School of Medicine

Stan Louie, School of Pharmacy

Kathy Rodgers, Keck School of Medicine

Gere diZerega, Keck School of Medicine

"A Prospective Study of Aging and Schizophrenia-Spectrum Disorders"

Sarnoff Mednick, Department of Psychology

George Simpson, Department of Psychiatry

"Role of DNA Repair Proteins in Age-Dependent DNA Damage and Cancer"

Valter Longo, School of Gerontology

Michael Lieber, Department of Biochemistry

Lucio Comai, Department of Molecular Microbiology

“USC Center for the Study and Treatment of Bone Related Disorders”

Charles McKenna, Department of Chemistry

Parish Sedghizadeh, School of Dentistry

Stan Louie, School of Pharmacy

“USC Games Institute”

Gerard Medioni, Department of Computer Science

Scott Fisher, School of Cinematic Arts

“USC Institute for the Digital Arts and Humanities"

Phil Ethington, College of Letters, Arts and Sciences

Tara McPherson, School of Cinematic Arts

“USC Maternal, Child and Adolescent International Family Centers”

Andrea Kovacs, Department of Pediatrics

Kathleen Johnson, School of Pharmacy

Roseann Mulligan, School of Dentistry

“Use of Ultrasound for Image-Guided Surgery”

Jesse Yen, Department of Biomedical Engineering

Brent Liu, Department of Radiology

Shirin Towfigh, Department of Surgery

2007 Individual Awards

Lisa Aziz-Zadeh

School of Dentistry and USC Brain and Creativity Institute

"Neural Basis for the Perception of Prosody"

Orlando Betancor

Department of Spanish & Portuguese, College of Letters, Arts and Sciences

“The Life of Metals in Potosi”

Yong Chen

Department of Industrial & Systems Engineering, Viterbi School of Engineering

"Designing Complex Internal Structures for Rapid Manufacturing"

Eun Jin Lee

Department of Biomedical Engineering, Viterbi School of Engineering

"Visual Controls in Retinal Development"

Eric Ley

Department of Surgery, Keck School of Medicine

“Increased Receptor Tyrosine Kinase Expression in Colon Cancer”

Aimin Li

Obstetrics & Gynecology, Keck School of Medicine

“Effects of 17-a Hydroxyprogesterone Caproate on Infection-Induced Preterm Birth”

Oliver Mayer

Playwriting, School of Theatre

"Six-Play Thematic Cycle"

Ruty Mehrian-Shai

Department of Biochemistry, Keck School of Medicine

"Oligodendrogloma miRNA Profiling and Treatment Response"

Christine Pollard
Department of Biokinesiology, School of Dentistry
"Mechanisms of Articular Cartilage Changes Following Anterior Cruciate Ligament Reconstruction:
Effect of Various Surgical Procedures"

Anne Porter
School of Religion, College of Letters, Arts and Sciences
"Community and Cosmology; Participatory Political Practice In Ancient Mesopotamia"

Shirin Towfigh
Department of Surgery, Keck School of Medicine
"Evaluation of Wound Probing to Reduce Wound Infection in Contaminated Wounds"

Yan Zhou
Center for Craniofacial Molecular Biology, School of Dentistry
"Human Embryonic Stem Cells and Neural Crest Osteogenesis"

2006 Interdisciplinary Awards

"Application of Nanotechnology to Direct the Growth of Engineered Bladder and Kidney Tissue from Stem Cells"

Stephen Cronin, Department of Electrical Engineering-Electrophysics, Viterbi School of Engineering
Chester Koh, Department of Urology, Children's Hospital Los Angeles/Keck School of Medicine

"Imaging Protein Tyrosine Phosphorylation In Vivo"
Amy Barrios, Department of Chemistry, College of Letters, Arts and Sciences
Nunzio Bottini, Department of Orthopaedics, Keck School of Medicine

"The Influence of Fixed and Changing Environmental Stimuli on Walking and Freezing Behavior in Persons with Parkinson's Disease"

George Salem, Department of Biokinesiology & Physical Therapy, School of Dentistry
Giselle Petzinger, Department of Neurology, Keck School of Medicine

"User-Centric Patient/Clinician Distribution Platform with Tele-Rehabilitation Application Case Study"

Roger Zimmermann, Integrated Media Systems Center, Viterbi School of Engineering
Margaret McLaughlin, Annenberg School of Communication
Shri Narayanan, Departments of Electrical Engineering, Linguistics and Computer Science
Carolee Winstein, Department of Biokinesiology & Physical Therapy, School of Dentistry

2006 Individual Awards

Steven Anderson
Interactive Media Division, School of Cinematic Arts
"Open Source Scholarship: Innovations in Digital Research, Publication and Pedagogy"

Bettine Birge
Department of East Asian Languages and Cultures, College of Letters, Arts and Sciences
"Marriage and the Law in Mongol-Yuan China"

Samantha Butler
Department of Biological Sciences, College of Letters, Arts and Sciences
"Mechanisms of Axon Guidance in the Developing Spinal Cord"

Meiling Cheng
School of Theatre
"Beijing Xingwei: Time-Based Experimental Art in China"

Sarah Gualtieri
Department of History, College of Letters, Arts and Sciences
"Race and Identity Among Arab Immigrants in the United States"

Alexandra Hammond-Isfahani
Department of Spanish & Portuguese, College of Letters, Arts and Sciences
"White Negritude: Race, Writing, and Brazilian Cultural Identity"

Young-Kwon Hong
Department of Surgery, Keck School of Medicine
"A Novel Anti-Lymphangiogenic Therapy Against Kaposi's Sarcoma"

Jane Iwamura
Departments of Religion & American Studies, College of Letters, Arts and Sciences
"Altared States: A Cultural History of the Japanese American Home Shrine"

Elsi Kaiser
Department of Linguistics, College of Letters, Arts and Sciences
"Investigating the Effects of Discourse Factors on Real-Time Pronoun Interpretation"

Mohammad Pashmforoush
Department of Medicine, Keck School of Medicine
"Defining the Molecular Pathways for Cardiac Conduction Cell Development"

Judd Rice
Department of Biochemistry and Molecular Biology, Keck School of Medicine
"Identification of Histone H3 Lysine 9 Methyl-Specific Binding Proteins"

James Spindler
School of Law
"Do Mandatory Disclosure Rules Result in Better Information for the Marketplace?"

Bangyan Stiles
Department of Molecular Pharmacology and Toxicology, School of Pharmacy
"The Mechanisms of PTEN Regulated B-cell Regeneration"

Antonia Szabari
Departments of French and Italian and Comparative Literature, College of Letters, Arts and Sciences
"Less Rightly Said: Scandalous Words in the French Reformation"

Maria Villacres

Department of Pediatrics, Keck School of Medicine

"Role of Single Nucleotide Polymorphisms on T-Cell Responses Following HIV Treatment"

Song-Guo Zheng

Department of Medicine, Keck School of Medicine

"CD4⁺CD25⁺ Regulatory T-Cells Generated Ex Vivo Cure Systematic Lupus Erythematosus"