

**CLASS OF 2008**

*\*ISPs are grouped by project type and alphabetized by the ISP Chair's Department.*

*\*The overall breakdown is: Analysis of a Scientific or Medical Problem (17); Community Service (11); FCM-ISP (3); Medical Education (13); Scientific Research (61); Other (4).*

*\*ISP exemptions: Medical Scientist Training Program (10); MPH (2); MAS in Clinical Research (3); Research Year (2)*

**Analysis of a Scientific or Medical Problem**

<b>ISP Chair Department</b>	<b>ISP Chair</b>	<b>ISP Title</b>
Emergency Medicine	Davis, Daniel	The Association Between Psychological Variables and the Decision to Use 9-1-1 Resources for Emergency Room Patients with Abdominal Pain
Emergency Medicine	Davis, Daniel	The Positive Predictive Value of Paramedic Versus Emergency Physician Interpretation of the Prehospital 12-Lead Electrocardiogram
Family & Preventive Medicine	Bracker, Mark	Percutaneous Delivery of NSAIDs into Deep Tissue: An Overview
Family & Preventive Medicine	Achar, Suraj	Anabolic Androgenic Steroid Use in Teens: Prevalence, Demographics, and Perception of Effects
Medicine	Quartarolo, Jennifer	Anemia in the Elderly and Chronically Ill: Morbidity, Mortality, Quality of Life, and Trends in Management
Neurosciences	Masliah, Eliezer	Congenital Anomaly of the Portal Venous System in Turner Syndrome: An Autopsy Case and Literature Review of Absent Extrahepatic Portal Vein
Neurosciences	Trauner, Doris	Intellectual and language development in partial and complete agenesis of the corpus callosum
Pediatrics	Schwimmer, Jeffrey	A Cost Comparison of Dietary Treatment Plans for Obesity
Pediatrics	Gottschalk, Michael	Clinical Characteristics of Ketosis-Prone Type 2 Diabetes in the Pediatric Population
Pediatrics	Loper, Karen	Adolescent and Parent/Guardian Knowledge, Attitudes and Practices Regarding the Cervical Cancer, Meningitis and Tetanus Vaccines
Pediatrics	Gottschalk, Michael	Retrospective Chart Review Evaluating Glucose Trends in the Pediatric ICU
Psychiatry	Moutier, Christine	The Cultural and Curricular Factors of Medical Student, Resident and Physician Burnout, Depression and Suicide
Psychiatry	Stein, Murray	PTSD and Its Impacts on Former Vietnamese Reeducation Camp Prisoners after Three Decades
Psychiatry	Levine, Saul	How has an Increasingly For-Profit Based Health Care System Affected the Practice of Medicine?

Reproductive Medicine	Moore, Thomas	Urinary Predictors of Preeclampsia
Surgery	Taylor, William R.	Occipito-Cervico-Thoracic Fusion: Clinical Experience without Iliac Crest Harvest and Radiographic Findings in 11 Patients
Surgery	Sadler, Georgia	Racial/Ethnic Differences in Early Detection of Breast Cancer: A Study of 249,276 Cases from the California Cancer Registry
Community Service		
ISP Chair Department	ISP Chair	ISP Title
Family & Preventive Medicine	Beck, Ellen	Improving the Working Relationship between UCSD Emergency Department and UCSD Student Run Free Clinics
Family & Preventive Medicine	Beck, Ellen	Health for Homeless Youth: Addressing the Healthcare Needs of San Diego's Homeless and Street Youth
Family & Preventive Medicine	Beck, Ellen	Asthma Education and Support Group
Family & Preventive Medicine	Beck, Ellen	Development of a Student-Managed Service to Deliver Esophagogastroduodenoscopy and Colonoscopy to the UCSD Free Clinic Patient Population
Family & Preventive Medicine	Beck, Ellen	Cal Western Community Law Project at the UCSD Student-Run Free Clinic Project
Family & Preventive Medicine	Beck, Ellen	Diagnostic Imaging for the UCSD Student-Run Free Clinic Project
Family & Preventive Medicine	Beck, Ellen	Community Service in Maseno, Kenya
Family & Preventive Medicine	Wingard, Deborah	Diabetes Education for Vietnamese Patients at the Mid-City Community Clinic
Medicine	Goldberg, Charles	Health Education for Farm Workers
Pediatrics	Taras, Howard	The Obese Child in the Pediatric Practice: Existing Community Resources
Pediatrics	Taras, Howard	Education for Vulnerable Families to Improve Health Literacy
Focused Clinical Multidisciplinary ISP		
ISP Chair Department	ISP Chair	ISP Title
Family & Preventive Medicine	Beck, Ellen	Focused Clinical Multidisciplinary Independent Study Project to Develop the UCSD Student-Run Free Clinic Policies and Procedures Manual
Family & Preventive Medicine	Beck, Ellen	FCM-ISP: Cross-cultural, whole-person care for underserved immigrant communities in San Diego
Family & Preventive Medicine	Beck, Ellen	Sickle Cell Disease
Medical Education		
ISP Chair Department	ISP Chair	ISP Title

Family & Preventive Medicine	Beck, Ellen	Free Clinic orthopedic exam education for medical students as well as community outreach/education of disease process and prevention
Family & Preventive Medicine	Bazzo, David	Chest X-Ray Tutorial: A Guide for 3rd Year Medical Students
Family & Preventive Medicine	Araneta, Happy	Hepatitis B Awareness in the San Diego Vietnamese Community: An Informative Outreach Project
Medicine	Powell, Frank	Recommendations on improving the Cardiovascular Physiology section of Organ Physiology course at UCSD School of Medicine
Medicine	Goldberg, Charles	Online Resources for Communicating with Spanish-Speaking Patients: A Web-based ISP
Medicine	Goldberg, Charles	A Guide to the Focused History and Physical Exam of Patients with HIV Disease
Pediatrics	Loper, Karen	Public Health Education on the Web
Psychiatry	Moutier, Christine	Psychological Well-Being and Mindfulness in Medical Students: A Pilot Study
Radiology	Ojeda-Fournier, Haydee	Developing CT Abdominal Anatomy Lessons with the Integration of Line-Art Illustrations
Reproductive Medicine	Deak, Pam	A New Approach to the OB/GYN Clerkship
Surgery	Sadler, Georgia	The Impact of Cervical Cancer Education for Deaf Women, Using a Video Educational Tool Employing American Sign Language, Open-captioning, and Graphics
Surgery	Rapaport, David	DATA: Digital Anatomy Tutor and Atlas - An Interactive Tour and Self-Assessment for Second Year Medical Students
Surgery	Sadler, Georgia	Interaction between Multidimensional Health Locus of Control and Assimilation of Cervical Cancer Information in Deaf Women
<b>Scientific Research</b>		
<b>ISP Chair Department</b>	<b>ISP Chair</b>	<b>ISP Title</b>
Anesthesiology	Yaksh, Tony	Acetaminophen prevents hyperalgesia in central pain cascade
Anesthesiology	Wallace, Mark	Assessment of Peripheral Mediator Release after Intradermal Capsaicin
Bioengineering	Sah, Robert	Effects of Sequential Loading and Unloading on Rabbit Knee Joint Friction
Bioengineering	Silva, Gabriel	Visualization of calcium signaling in RMC-1 cells and astrocytes during normal and pathophysiological conditions
Bioengineering	Schimd-Schoenbein, Geert	Mechanisms in Experimental Venous Valve Failure and their Modification by Daflon 500Â© mg

Bioengineering	Sah, Robert	Effect of Continuous Passive Motion Applied to Whole Joints on Chondrocyte Biosynthesis of PRG4
Cellular & Molecular Medicine	Goldstein, Lawrence	A Rat Model to Study the Contribution of Astrocytes to the Pathogenesis of Amyotrophic Lateral Sclerosis
Emergency Medicine	Davis, Daniel	Latency and Loss of Pulse Oximetry Signal with Use of Digital Probes during Prehospital Rapid Sequence Intubation
Family & Preventive Medicine	Garland, Cedric	A review of Italian internal migration studies: exploring breast cancer incidence in relation to age of migration and the role of vitamin D as a protective factor
Medicine	Tsimikas, Sotirios	Atherosclerotic Imaging: Developing novel peptides targeting oxidized LDL within vulnerable atherosclerotic plaques
Medicine	Tsimikas, Sotirios	Non-invasive imaging of atherosclerotic lesions using IK17
Medicine	Varner, Judith	Lymphangiogenesis Promotes Tumor Metastasis
Medicine	Narayan, Sanjiv	Predicting Arrhythmia-Free Survival Using Spectral and Modified-Moving Average Analyses of T-Wave Alternans
Medicine	Gallo, Richard	Function of Antimicrobial Peptides in Acne Rosacea
Medicine	Villarreal, Francisco	The Effect of Matrix Metalloproteinase Inhibitors on Cardiac Function Post-Ischemia
Medicine	Evans, Sylvia	Islet 1 is expressed in distinct cardiovascular lineages, including pacemaker and coronary vascular cells
Medicine	Varki, Nissi	The Role of [alpha]2-6-Linked Sialic Acids in Breast Carcinoma Progression
Medicine	Darquenne, Chantal	Aerosol Deposition in the Human Lung Periphery Is Increased by Reduced-Density Gas Breathing
Medicine	Narayan, Sanjiv	Vectorial ECG Analysis Represents Regional Bi-Atrial Cycle Length in Atrial Fibrillation
Neurosciences	Tuszynski, Mark	Primate Nervous System's Natural Response to Spinal Cord Hemisection, and Enticing Axons to Grow by Luring Them with Neurotrophins
Neurosciences	Galasko, Douglas	Proinflammatory cytokine immunoexpression in Alzheimer's disease: a comparison with aging
Neurosciences	Gleeson, Joseph	Juvenile myoclonic epilepsy in a Moroccan Family: Understanding and characterizing epilepsy features in a familial cohort
Ophthalmology	Granet, David	Can Surgery for Thyroid-Associated Ophthalmopathy Fix a Psychological Wound?

Ophthalmology	Weinreb, Robert	MMP-2 and MMP-9 Expression in the Mouse Eye and the Effect of Topical Prostaglandin on MMP Expression
Orthopaedics	Bugbee, William	Fresh Osteochondral Allograft Transplantation for Traumatic Lesions of the Knee
Orthopaedics	Kim, Choll	Short-Segment Fixation of Thoracolumbar Burst Fractures Using Pedicle Fixation at the Level of the Fracture
Orthopaedics	Schwartz, Alexandra	Medical Comorbidities Associated with Nonunions of Middle-Third Fractures of the Clavicle
Orthopaedics	Pedowitz, Robert	Biomechanical Analysis of Femoral Tunnel Pullout Angles for ACL Reconstruction with Bioabsorbable and Metal Interference Screws
Pathology	Langford, Dianne	Expression pattern of PINCH and ILK in AIDS patients associated with HIV encephalitis during the HAART era: an immuno-histochemical study
Pathology	Langford, Dianne	Perceived Risk Factors for HIV Infection Among Ethiopians Living in San Diego
Pathology	Langford, Dianne	Changes in trophic factor signaling events in cerebral endothelial cells of the blood brain barrier upon exposure to the HIV protease inhibitor, Lopinavir
Pediatrics	Sawyer, Mark	Investigating Clinical Correlates for Effective Diagnosis and Treatment of Mycobacterial Cervical Lymphadenitis in San Diego Pediatric Patients
Pediatrics	Burns, Jane	Detection of Kawasaki Disease-Associated Antigen (KDAA) in Tissue Early in Clinical Course
Pediatrics	Hoffman, Harold	Initial Characterization of the Human <i>C1AS1</i> Promoter
Pediatrics	Huang, Sherry	PTEN Interaction with Wnt/ $\beta$ -catenin/Tcf Signaling in Hamartomatous Polyposis Syndromes
Pediatrics	Burns, Jane	Platelet Activation in Kawasaki Disease
Pediatrics	Sidelinger, Dean	Family Function and Coping in Families Affected by Chronic Kidney Disease
Pharmacology/Chemistry & Biochemistry	Wooley, John	Promoter methylation study of the H37/RBM5 tumor suppressor gene from the 3p21.3 human lung cancer tumor suppressor locus
Psychiatry	Jeste, Dilip	Measurement and Predictors of Resilience Among Community-Dwelling Older Women
Psychiatry	Tapert, Susan	Gender Differences in Verbal and Spatial Working Memory Abilities Among Healthy Young Adults

Psychiatry	Tapert, Susan	Brain Volume and Cognitive Functioning in Male and Female Adolescents with Alcohol Use Disorders
Psychiatry	Sewell, Daniel	Aromatherapy: A novel treatment for agitation in patients with dementia?
Radiology	Roberts, Anne	The Interaction of Magnetic Resonance Guided Focused Ultrasound and Embolization Agent in Tissue
Reproductive Medicine	Moore, Thomas	Characteristics and Outcomes of Glyburide Non-Responders in Cohort of Pregnant Women with Type II or Gestational Diabetes Mellitus Initially Treated with Glyburide
Reproductive Medicine	Kelly, Thomas F.	Obstetrical outcomes associated with cervical incompetence treated with elective cervical cerclage versus serial sonographic cervical length surveillance
Reproductive Medicine	Chang, Jeffrey	Human Fetal Ovary Development Involves the Spatiotemporal Expression of P450c17 Protein
Reproductive Medicine	Lawson, Mark	Effect of FSH Stimulation on Theca Cell Androgen Production in PCOS
Reproductive Medicine	Chang, Jeffrey	Polycystic Ovary Syndrome
Surgery	Sadler, Georgia	Validating and Norming the Multidimensional Health Locus of Control (MHLC) for use with Primary Users of American Sign Language (ASL)
Surgery	Davidson, Terence M.	Sleep Disordered Breathing in Pregnancy
Surgery	Sadler, Georgia	Reliability and Validity of an American Sign Language Version of the CES-D
Surgery	Coimbra, Raul	Head Trauma Outcomes of Individuals Taking Pre-Injury Anti-Platelet Drugs
Surgery	Angle, Niren	Acute Limb Ischemia: Trends in management and associated outcomes
Surgery	Coimbra, Raul	Combat Versus Civilian Open Tibia Fractures - The Effect of Blast Mechanism on Outcome
Surgery	Khanna, Ajai	Predictability of Liver Replacement Therapy in Ameliorating Metabolic Liver Disorders
Surgery	Keithley, Elizabeth	Infiltration of Innate Immune Cells into the Inner Ear Following Peritoneal Injection of LPS in Mice
Surgery	Sadler, Georgia	Translating the Center for Epidemiological Studies-Depression Scale (CES-D) into American Sign Language
Surgery	De Maio, Antonio	Environmental Acidification of Cells in Culture Reduces the Inflammatory Response and Enhances Phagocytosis of Opsonized Particles

Surgery	Doherty, Joni	Trans-tympanic penetration of Low-level Laser Therapy into the human cochlea and Internal Auditory Canal - a possible new treatment for Sudden Sensorineural Hearing Loss
Surgery	Sang U, Hoi	Neuroendocrine Differentiation of Fetal Rat CNS Stem Cells In Vitro and In Vivo
Surgery	Bouvet, Michael	Three decades of pancreatectomies: patients, tumors, and outcomes
<b>Other</b>		
<b>ISP Chair Department</b>	<b>ISP Chair</b>	<b>ISP Title</b>
Family & Preventive Medicine	Beck, Ellen	Guidelines for Communication and Implementation of Good Eating and Physical Activity Habits Among Teens
Family & Preventive Medicine	Schneiderman, Lawrence	Impact of Acculturation and Health Locus of Control on Asian-American Perspectives of Physician-Assisted Suicide
Pediatrics	Loper, Karen	Challenges Confronting Children with Chronic Diseases and Ways the Camping Experience Can Aid in Coping with Such Illness
Psychiatry	Sciolla, Andres	The Mental Health of U.S. Vietnamese Immigrants: A Literature Review