

INDEPENDENT STUDY PROJECTS
Class of 2005

ISP Title	ISP Chair/Department
Gout Education: A Community-Based, Filipino American Preventive Medicine and Outreach Model	Happy Araneta, Ph.D. Family & Preventive Medicine
Drawing as a Way of Learning about My Patients	Stephen Baird, M.D. Pathology
FIRST (Faculty Interest Research Search Tool): A search engine to find faculty within UCSD who have published on user-specified topics in biomedicine	William Bradley, M.D., Ph.D. Radiology
Video-assisted hypnosis to reduce anxiety in school age children	David Bazzo, M.D. Family & Preventive Medicine
Stroke Etiology in Acute Multiple Brain Infarcts	Ruth Covell, M.D. Family & Preventive Medicine
The Medical Management of Pain: an investigation on prevailing perceptions and attitudes toward the medical treatment of pain	Sandra Daley, M.D. Pediatrics
Combination of B-Type Natriuretic Peptide Levels and Non-Invasive Hemodynamic Parameters in Diagnosing Congestive Heart Failure in the Emergency Department	Alan Maisel, M.D. Medicine
The Role of Extra Cellular Matrix Degradation in Local Remodeling of the Pig Heart	James Covell, M.D. Medicine
Association between Lice Infestation and Anemia	David Guss, M.D. Medicine
The effects of vitamin D supplementation, diet and sun exposure on serum 25-hydroxyvitamin D in elderly women	Leonard Deftos, M.D. Medicine
Biomechanical evaluation of an injectable radiopaque polypropylene cement for kyphoplasty in a cadaveric osteoporotic vertebral compression fracture model	Choll Kim, M.D., Ph.D. Orthopaedics
Changes in self-care behavior and improved glycemic control in people with diabetes after attending an intensive educational and motivational conference	Steven Edelman, M.D. Medicine
Monarch School: A Sexual Education Curriculum	Helen Tighe, Ph.D. Medicine
Pediatric Development and Behavior Manual of Contemporary Studies	Martin Stein, M.D. Pediatrics
Teen Pregnancy: A Clinical Analysis of Preventive Medicine, Pregnancy and Abortion in Adolescents - An Overview of the FCM-ISP and Teen Pregnancy	Karen Loper, M.D. Pediatrics
Effects of cardiac muscle dyskinesia on matrix metalloproteinase activity	James Covell, M.D. Medicine
A Strategy for Determining Arterial Blood Gases on the Summit of Mt. Everest	John West, M.D., Ph.D. Medicine
Identification of Unmet Specialty Care Needs Among the Free Clinic Patient Population	Ellen Beck, M.D. Family & Preventive Medicine
Effects of Radiofrequency Electromagnetic Field Exposure on the Human Central Nervous System: A Systematic Review	Sonia Ancoli-Israel, Ph.D. Psychiatry

Anxiety Symptoms and Perceived Performance in Medical Students	Carol Mathews, M.D. Psychiatry
Survival and differentiation of cultured fetal rat CNS stem cells transplanted to the adult brain	Mark Tuszyński, M.D., Ph.D. Neurosciences
Super-paramagnetic iron oxides-enhanced ultra-short TE imaging of HCC in the cirrhotic liver: preliminary experience	Claude Sirlin, M.D. Radiology
Does filtration of excess protein cause renal tubular injury?	Nigel Calcutt, Ph.D. Pathology
Microbiology Interactive Cases	John Guatelli, M.D. Medicine
The Utility of the Pneumonia Severity Index in a Population of Emergency Department Patients	Daniel Davis, M.D. Medicine
Further Serving the Underserved: An Intervention to Update Information on San Diego Community Resources and Educate Medical Students on the Social and Medical Resources Available to their Underprivileged Patients	Ellen Beck, M.D. Family & Preventive Medicine
A Comparative Clinical Study to Evaluate the Efficacy of Tacrolimus Ointment 0.1% and Aquaphor Ointment for the Treatment of Keratosis Pilaris	Sheila Friedlander, M.D. Pediatrics
Nature and Nurture: The Roles of Activity and Gene Expression in Specification of Neuronal Identity	David Rapaport, Ph.D. Surgery
Does Taking Glyburide for Glycemic Control in Pregnancy Cause A Reduction in the Amniotic Fluid Index: A Retrospective Study	Andrew Hull, M.D. Reproductive Medicine
CaMKAR: The making of an intracellular spy for the brain and the heart	Roger Tsien, Ph.D. Pharmacology
Cerebral changes in response to acute hypoxia studied with susceptible subjects using functional magnetic resonance imaging	Susan Hopkins, M.D., Ph.D. Medicine
Retrospective analysis of non-contrast helical CT for diagnosing diverticulitis	Katherine Richman, M.D. Radiology
Improving the Deaf Community's Access to Prostate and Testicular Cancer Information: A Survey Study	Georgia Sadler, M.B.A., Ph.D. Surgery
Risk of Alcohol Use Among Adolescent Athletes	Karen Loper, M.D. Pediatrics
Peak Lipase and Amylase levels as predictor of etiology in acute pancreatitis	David Guss, M.D. Medicine
5% 5-Fluorouracil cream for treatment of verucca vulgaris in children	Richard Gallo, M.D., Ph.D. Medicine
Student National Medical Association Website: A Tool for Promoting Ethnic Diversity at UCSD School of Medicine	Helene Hoffman, Ph.D. Medicine
Coils Versus Torso Phased-array Coils in MR Imaging	Claude Sirlin, M.D. Radiology
Pediatric Hospice and Palliative Care: A Report of Clinical and Research Experiences	Michelle Dern, M.D. Pediatrics
Application of the Monte Carlo Method to Determine the Frequency of Visual Field Defects Associated with Each of 52 Locations in Standard Automated Perimetry in Glaucomatous Eyes. Data From the Diagnostic Innovations in Glaucoma Study (DIGS)	Pamela Sample, Ph.D. Ophthalmology

The Role of the Paraspinal Musculature in Neo-vascularization of the Healing Posterolateral Lumbar Arthrodesis	Choll Kim, M.D., Ph.D. Orthopaedics
Does Duration of Exposure to Dideoxynucleoside Analogues in the Treatment of HIV Infection Correlate with Worse Distal Sensory Polyneuropathy?	Ron Ellis, M.D., Ph.D. Neurosciences
Heart Rate Turbulence Reflects Autonomic Conditions at the Initiation of Ventricular Arrhythmias	Sanjiv Narayan, M.D. Medicine
Lysophosphatidic Acid and Endothelin-Induced Proliferation of Ovarian Cancer Cell Lines is Mitigated by Neutralization of Granulin-Epithelin Precursor (GEP), A Prosurvival Factor for Ovarian Cancer	Steven Plaxe, M.D. Reproductive Medicine
An Introduction to Basic Dermatology	Helene Hoffman, Ph.D. Medicine
Fresh Osteochondral Allografts in the Treatment of Steroid-Induced Osteonecrosis of the Knee	William Bugbee, M.D. Orthopaedics
A Comparison of Open versus Minimally-Invasive Craniosynostosis Procedures from the Perspective of the Parent	Steve Cohen, M.D. Surgery
Percutaneous Disc Decompression (PDD) Registry: Initial Efficacy and Safety Data	Farshad Ahadian, M.D. Anesthesiology
Fitness Intervention and Education for Members of the Mountain View Community	Ellen Beck, M.D. Family & Preventive Medicine
Medicine 401 Ambulatory Curriculum	Simerjot Jassal, M.D. Medicine
Microbubble Kinetics in Indirect Ultrasound Lymphography	Robert Mattrey, M.D. Radiology
On First Being Told You Have Cancer	Lawrence Schneiderman, M.D. Family & Preventive Medicine
Drug and Tobacco Education for Street Children in Vietnam	Ellen Beck, M.D. Family & Preventive Medicine
Prognostic significance of myeloid antigen expression in childhood acute lymphoblastic leukemia	Stephen Baird, M.D. Pathology
Care for the Underserved as Practiced by the UCSD Student-Run Free Clinic Project	Ellen Beck, M.D. Family & Preventive Medicine
Interventions and Their Effectiveness in the Eyes of the Primary Care Provider	Jeffrey Schwimmer, M.D. Pediatrics
Characterization of a novel intraocular drug delivery system using crystalline lipid antiviral prodrugs of ganciclovir and cyclic cidofovir	William Freeman, M.D. Ophthalmology
The Effect of Tamoxifen on Weight Loss in Breast Cancer Survivors	Cheryl Rock, Ph.D. Family & Preventive Medicine
Biomechanical Comparison of a Bioabsorbable Sutureless Screw Anchor Versus Suture Anchor Fixation for Rotator Cuff Repair	Robert Pedowitz, M.D., Ph.D. Orthopaedics
Implementation and Testing of a Software Tool to Analyze High Resolution Chest CT Images	Paul Friedman, M.D. Radiology
Treating mental health disorders at a UCSD student-run free clinic through education, community involvement, and therapy	Ellen Beck, M.D. Family & Preventive Medicine

The Cancer Stem Cell: A Shift in Approach in Oncology Research	Martin Haas, Ph.D. Biology
Patient Empowerment Revisited: Assessment of Immunization Rates and Rates of Patient Compliance of the 2-year-old Population in the San Diego New Beginnings Parent As Teachers Program Following Program Modifications	Sandra Daley, M.D. Pediatrics
Predictive Value of the Thumb to Forearm Flex Test on Rates of Progression Through Labor in Nulliparous Women: A Pilot Study	Suraj Achar, M.D. Family & Preventive Medicine
Clinical Suspicion of Tuberculosis: Adaptation and Preliminary Testing of a Clinical Assessment Tool for Active Tuberculosis Risk for Use in Spanish-Speaking Countries	Antonino Catanzaro, M.D. Medicine
A Systematic Approach to Evaluation of the Orthopaedic Patient	Alexandra Schwartz, M.D. Orthopaedics
The Effectiveness of a Counseling Intervention and Urine Cotinine Biofeedback to Prompt Healthcare Professionals to Assist Families in Reducing Children's Secondhand Smoke Exposure	Linda Hill, M.D., M.P.H. Family and Preventive Medicine
The United States Embargo Against Cuba: The Impact on the Importation of Medicines and Medical Supplies, and the Subsequent Influence on Cuban Public Health	Lawrence Palinkas, Ph.D. Family & Preventive Medicine
Health Disparities and Advertising Content of Women's Magazines: a cross-sectional study	Georgia Sadler, M.B.A., Ph.D. Surgery
The Effect of Male Caffeine Use on Sperm Parameters, Multiple Gestations and Pregnancy Achievement after Undergoing ICSI	Hilary Klonoff-Cohen, Ph.D. Family & Preventive Medicine
Development of a career mentoring program between the Preuss School and the UCSD School of Medicine	Ellen Beck, M.D. Family & Preventive Medicine
Minimal Deviation Melanoma: Histopathology, Diagnostic Modalities, and Clinical Outcomes	Parviz Haghghi, M.D. Pathology
Validity and Reliability of Manual Muscle Testing	Beatrice Golomb, M.D., Ph.D. Medicine
Cancer Risk Factor Assessment among Chamorro Women	Georgia Sadler, M.B.A., Ph.D. Surgery
Transferrin Extraction By Immunoaffinity Microcolumn Chromatography	David Herold, M.D., Ph.D. Pathology
Hypothermia's Effects on Brain Edema after Ischemic Stroke - A CT Study	Patrick Lyden, M.D. Neurosciences
Proprioceptive and Parietal Lobe Impairment in Asperger's Syndrome	Doris A. Trauner, M.D. Neurosciences
Diagnostic Performance of a Computer-Aided Image Analysis System for Breast Ultrasound	Michael Andre, Ph.D. Radiology
Diabetes Education for Native American Adolescents	Garry Crummer, M.D., Pediatrics
Role of Enteroinvasive Bacterial SipB and SipC Proteins in Altered Barrier and Transport Properties of Human Intestinal Epithelium	Kim Barrett, Ph.D. Medicine
Quantifying the electrophysiology of 'De Qi' sensation in acupuncture	Albert Leung, M.D. Anesthesiology
Understanding Changing Public Perception of the Science and Medicine of Memory Through Popular Film	Lawrence Hansen, M.D. Neurosciences

Integration of HIV viral sequences into the VA San Diego computer system allowing for the characterization of the prevalence of viral mutations that result in antiretroviral drug resistance	Joseph Wong, M.D. Medicine
Evaluating Parental and Child Attitudes Towards Pediatric Obesity	Ron Newfield, M.D. Pediatrics
Multidisciplinary Clinical Study of Polycystic Ovarian Syndrome	Greg Erickson, Ph.D. Reproductive Me
Tobacco Smoking Habits and Beliefs among Cuban College and Graduate Students	Shu-Hong Zhu, Ph.D. Family & Preventive Medicine
The Potential Efficacy of Prehospital Intraosseous Infusion to a Population of Critically Ill Children	Daniel Davis, M.D. Medicine
Green Light Suppression of Melatonin	Dan Kripke, M.D. Psychiatry
Multidisciplinary Approach to Underserved Adolescents: A Survey of Available Services and School Based Health Care	Ellen Beck, M.D. Family & Preventive Medicine
Effects of Weight Loss and Lifestyle Modification on Plasma Lipid Concentrations in Women at Risk for Breast Cancer Recurrence	Cheryl Rock, Ph.D. Family & Preventive Medicine
Anorexia Nervosa in Adolescents: An Understanding of the Disease and Its Comorbidities, Treatment Strategies, and Patient Resources	Joyce Adams, M.D. Pediatrics
Fever Pamphlets: Do They Increase Parental and Caretaker Knowledge about Fever in Children?	Lindia Willies-Jacobo, M.D. Pediatrics
An unusual surface peroxiredoxin protects invasive Entamoeba histolytica from oxidant attack	Sharon Reed, M.D. Pathology
Effects of Environmental Tobacco Smoke (ETS) on Asthma in Children of El Salvador	Hilary Klonoff-Cohen, Ph.D. Family & Preventive Medicine
Olfactory Dysfunction: A Sequela of Pediatric Blunt Head Trauma	Terence Davidson, M.D. Surgery
Quantifying symptoms in men with interstitial cystitis/prostatitis, and its correlation with potassium-sensitivity testing	C. Lowell Parsons, M.D. Surgery
From Molecule to Genome: Celebrating Fifty Years Since the Modeling of DNA	Stephen Baird, M.D. Pathology
The Anatomic Basis for the Acquisition of Speech and Obstructive Sleep Apnea: Evidence from Cephalometric Analysis Supports The Great Leap Forward Hypothesis	Terence Davidson, M.D. Surgery
Subclavian Artery Stenosis: Prevalence, Risk Factors, and Association With Cardiovascular Diseases	Michael Criqui, M.D., M.P.H. Family & Preventive Medicine
Conditions Masquerading as Septic Hip in Children	Robert Pedowitz, M.D., Ph.D. Orthopaedics
Preparing Future Physicians in Practice Management	Tyson Ikeda, M.D. Family & Preventive Medicine
Mental Health Care Services: Moving Forward: A Report on the State of Mental Health Care in the United States and San Diego County, and on Tracking Indicators of Mental Health Care Provision in San Diego County	Ruth Covell, M.D. Family & Preventive Medicine
Impact of Sports Participation on Violence Preventive Medicine and Health Maintenance	Suraj Achar, M.D. Family & Preventive Medicine

Foxo1 (Fkhr1) is essential for embryonic vascular development	Karen Arden, Ph.D. Medicine
Cytoskeletal Protein Expression in the Cilia of Fetuses with Situs Inversus and Other Lateralization Defects	Eliezer Masliah, M.D. Neurosciences
Analysis of ROR1 Function and Role in the Pathogenesis of Chronic Lymphocytic Leukemia	Thomas Kipps, M.D. Medicine
Trends in Incidence and Mortality of Laryngeal Cancer in Relation to Treatment with Chemotherapy and Radiotherapy vs. Surgery and Radiotherapy	Robert Weisman, M.D. Surgery
The ECM Differentially Affects CXCR4 and CCR7 Expression in Pancreatic Cancer Cells	Michael Bouvet, M.D. Surgery
Comparative Study of Bovine and Human Rotator Cuff Anthropometrics	Robert Pedowitz, M.D., Ph.D. Orthopaedics
The Use of Complementary and Alternative Medical Therapies Among Military Veterans in the San Diego VA Healthcare System	Sunita Baxi, M.D. Medicine
A historical review of the most commonly studied theories for the increased rate of anterior cruciate ligament injuries in women, with emphasis on the most currently accepted ones and methods of Preventive Medicine	David Bazzo, M.D. Family & Preventive Medicine
Attitudes, Behavior and Perspectives of Medical and Osteopathic Medical Students Toward Oriental Medicine and Their Knowledge of this Alternative Approach	Sheila Pickwell, Ph.D. Family & Preventive Medicine
Clinical Predictors in Adult Non-alcoholic Fatty Liver Disease and Steatohepatitis	Joel Lavine, M.D., Ph.D. Pediatrics
Exertional Leg Pain in Patients With and Without Peripheral Arterial Disease	Michael Criqui, M.D., M.P.H. Family & Preventive Medicine
Measuring BNP Levels in the Diagnosis and Treatment of CHF	Alan Maisel, M.D. Medicine
Hippocampal Contribution to Simple Object Discrimination in the Rat	Stuart Zola, Ph.D. Psychiatry
Social and cultural factors relating to disease outcome and delayed diagnosis of Kawasaki syndrome	Jane Burns, M.D. Pediatrics
Sport SCUBA dives alter the ventilation-perfusion distribution (V_A/Q) in the human lung	G. Kim Prisk, Ph.D. Medicine
Unrecognized Medical Disorders in Older Psychiatric Inpatients in a Senior Behavioral Health Unit in a University Hospital	Daniel Sewell, M.D. Psychiatry
Degeneration of White Matter due to Alcoholism as Quantified by Diffusion Tensor Imaging	Lawrence Frank, Ph.D. Radiology
Evaluation of regional pulmonary perfusion with ASL-FAIRER in supine and prone position	Susan Hopkins, M.D., Ph.D. Medicine
The Comorbidity of Sleep Disturbances and Musculoskeletal Pain	Sonia Ancoli-Israel, Ph.D. Psychiatry
Depressive Symptoms, Eating Psychopathology, and Physical Activity in Obese Breast Cancer Survivors	Cheryl Rock, Ph.D. Family & Preventive Medicine