

INDEPENDENT STUDY PROJECTS
Class of 2002

Title	Chair/Department
Vincristine-induced Allodynia in the Rat	Tony Yaksh, Ph.D.
GAD65 and GABA Immunoreactivity of Rat Spinal Cord Marginal Zone Undergo Dramatic Developmental Changes, as Visualized by Computer-Generated Animations	David Rapaport, Ph.D. Surgery
Pocket This! A Pocketbook of Essential Topics for the Medicine Clerkship	Harry Bluestein, M.D. Medicine
Ascorbic Acid and Erythrocyte Glycolytic Enzymes	Percy Russell, Ph.D. Biology
Emotional Distress in Entering Medical Students	Joel Dimsdale, M.D. Psychiatry
Effects of Beta-Glucan Topical Formulations on Wound Healing	Constance Nagi, M.D. Medicine
The Effect of Hyperbaric Oxygen on Alpha-toxin Induced Platelet Aggregation	Bryan Snyder, M.D. Medicine
The Expression of a Novel Mammalian Oocyte-specific Linker Histone Gene, H1oo, in the Human Ovary	Gregory Erickson, Ph.D. Reproductive Medicine
The Efficacy of Transdermal Ketoprofen for Delayed Onset Muscle Soreness Study	Mark Bracker, M.D. Family and Preventive Medicine
Development of the UCSD Teen Prenatal Program Patient Education Curriculum	Christine Miller, M.D. Reproductive Medicine
Chemokine Receptor Polymorphisms and Human Immunodeficiency Virus Disease Progression	Stephen Spector, M.D. Pediatrics
A Rapid Bedside Test for B-Type Peptide Predicts Treatment Outcomes in Patients Admitted for Decompressed Heart Failure: A Pilot Study	Alan Maisel, M.D. Medicine
Surface Pressure on the Face in Patients Undergoing Prone Surgical Procedures	William Mazzei, M.D. Anesthesiology
Utility of B-type Natriuretic Peptide in the Diagnosis of Congestive Heart Failure in an Urgent-Care Setting	Alan Maisel, M.D. Medicine
Rectal Cancer: A Case Study on the Internet	Marquis Hart, M.D. Surgery

The Role of Myoglobin in the Diagnosis of Acute Myocardial Infarction	Alan Maisel, M.D. Medicine
The Effects of Sperm Characteristics and Patient Demographics on Reproductive Outcomes of Intracytoplasmic Sperm Injection (ICSI)	Hillary Klonoff-Cohen, M.D. Family and Preventive Medicine
Evidence for the Association of the CAG Repeat in the Potassium Channel Gene KCNN3 (hsKCa3) and Bipolar Disorder	John Kelsoe, M.D. Psychiatry
Regulation of Sensorimotor Gating of the Startle Reflex by Serotonin 2A Receptors: Ontogeny and Strain Differences	Neal Swerdlow, M.D./Ph.D. Psychiatry
Lipid Peroxidation and Kawasaki Disease	Jane Burns, M.D. Pediatrics
The Impact of Arm Position on Blood Pressure Measurement	David Guss, M.D. Medicine
Limitations to Skeletal Muscle Capacity Determined by ³¹ P-MRS in Chronic Fatigue Syndrome Patients and Healthy Adults	Russell Richardson, Ph.D. Medicine
Effects of Aging and Nerve Growth Factor Gene Delivery on Noradrenergic Neurons in the Primate Brain	Mark Tuszynski, M.D./Ph.D. Neurosciences
Expression of ILK and PINCH Proteins in Normal Mouse Cardiac Embryogenesis	Ann Rearden, M.D. Pathology
Clinical Characteristics of Patients with HSV Encephalitis and HSV Meningitis	Mark Sawyer, M.D. Pediatrics
Complementary/Alternative Medical Treatments for the Cancer Patient: A Review of the Evidence	Mitsuo Tomita, M.D. Family and Preventive Medicine
A Simplified Method of Estimation Total Lung Gas Volume Using CT; Correlation with Pulmonary Function Tests	Paul Friedman, M.D. Radiology
Regulated Production of the Memory T-Cell and Immature Dendritic Cell Chemokine Macrophage Inflammatory Protein (MIP) 3a by Human Intestinal Epithelium Cells	Martin Kagnoff, Ph.D. Medicine
An Examination of Clinical Determinants of Quality of Life in Patients with Multiple Sclerosis	Jody Corey-Bloom, M.D./Ph.D. Neurosciences
Mitochondrial Oxidative Phosphorylation is a Downstream Regulator of Nitric Oxide Effects on Chondrocyte Matrix Synthesis and Mineralization	Robert Terkeltaub, M.D. Medicine
The Impact of the Internet on the Practice of Medicine in the Field of Pediatrics	Ruth Covell, M.D. Family and Preventive Medicine
Utility of B-Natriuretic Peptide as a Rapid, Point-of-care Test for Screening Patients Undergoing Echocardiography to Determine Left Ventricular Dysfunction	Alan Maisel, M.D. Medicine

UCSD Homeless Outreach, An Extension of the UCSD Student-run Free Clinic	Ellen Beck, M.D. Family and Preventive Medicine
Mapping of the Hippocampal Anatomical Differences Among Normal Individuals, People with Mild Memory Impairment and Patients with the Alzheimer's Disease	Wade Wong, D.O. Radiology
T-Cell Trafficking to the Mesentery in the Mouse Model	David Broide, M.D. Medicine
Evidence for Deceased Mitochondrial Activity in Aged Mice Cochlea	Elizabeth Keithley, Ph.D. Surgery
Prevalence of Low Bone Mass in the Proximal Femur Among World-Class Female Triathletes	Christine Chung, M.D. Radiology
A Prospective Study of Type 2 Diabetes and Depressive Symptoms in the Elderly: The Rancho Bernardo Study	Lawrence Palinkas, Ph.D. Family and Preventive Medicine
Extrapolation of a 12-lead EKG from Four Leads	Jerold Chun, M.D./Ph.D. Pharmacology
Risk Factors for Morbidity and Mortality in 230 Pulmonary Thromboendarterectomy Patients	Stuart Jamieson, M.B./F.R.C. Surgery
Assessment of Verbal Vaccine Risk Communication	Mark Sawyer, M.D. Pediatrics
Functional Domain Analysis of the Parathyroid Hormone-Related Protein 1-173 Isoform: Its Possible Role in the Pathogenesis of Lung Cancer	Randolph Hastings, M.D./Ph.D. Anesthesiology
Inhibition of Toxoplasma gondii Cysteine Proteinase Blocks Parasite Invasion and Intracellular Growth	Sharon Reed, M.D. Pathology
Stability of B-type Natriuretic Peptide Levels During Exercise in Patients with Congestive Heart Failure: Implications for Outpatient Monitoring with B-type Natriuretic Peptide	Alan Maisel, M.D. Medicine
TICK: Talking Instrument with Contextual Knowledge	Daniel Masys, M.D.
Displaced Pediatric Supracondylar Humerus Fractures: Biomechanical Analysis of Percutaneous Pinning Techniques	Peter Newton, M.D. Orthopedics
Mode Shift of an Inhaled Aerosol Bolus is Correlated with Flow Sequencing in the Human Lung	Kim Prisk, Ph.D. Medicine
An Assessment of San Diego Emergency Medical Dispatcher Diagnostic Coding of Stroke Patients	James Dunford, M.D. Medicine
Post-menopausal Hormone Replacement Therapy and Migraine Headache	Robert Langer, M.D./M.P.H. Family and Preventive Medicine
Integrating Complementary and Alternative Therapies for Cancer Patients: A Cancer Patient's Guide to Complementary and Alternative Medicine	Joel Dimsdale, M.D. Psychiatry

L6: A Proteinase- and Phagocytosis Deficient Mutant of Entamoeba Histolytica	Sharon Reed, M.D. Pathology
Cardiac-directed Expression of Adenylyl Cyclase Type VIII: Physiological Effects Following Myocardial Infarction	David Roth, M.D./Ph.D. Anesthesiology
Innate Antimicrobial Activity in Vernix Caseosa	Richard Gallo, M.D. Medicine
Pulmonary-to-systemic ratio in PDA shunt is dependent on PDA width	Abraham Rothman, M.D. Pediatrics
An Alternate Reality: Escaping through Ecstasy	Lawrence Friedman, M.D. Pediatrics
Computer Security for the Health Care Professional	Paul Friedman, M.D. Radiology
Laboratory Reference Program for Palm OS	David Herold, M.D./Ph.D. Pathology
Stimulus-event coupling in sympathoadrenal cells: nuclear and chromaffin granule events	Daniel O'Connor, M.D. Medicine
Improving Hepatitis B Immunization Rates in Children 6-17 Years Old	David Bazzo, M.D. Family and Preventive Medicine
Smoking Cessation, Pharmaceutical Therapy and Harm Reduction: Lessons Learned and Future Directions	John Pierce, Ph.D. Family and Preventive Medicine
Correlation Between Varying Exercise Regimens and Bone Mineral Density in Elite Male Triathletes	Mark Bracker, M.D. Family and Preventive Medicine
The Effect of Prinomastat (AG3340), a Synthetic Inhibitor of Matrix Metalloproteinases on Posttraumatic Proliferative Vitreoretinopathy	William Freeman, M.D. Ophthalmology
Prednisone Exposure Can Be Estimated by a Single Plasma Level: Implication for Therapeutic Drug Monitoring	Robert Steiner, M.D. Medicine
Evaluation of a Computer Image Analysis Method to Aid Interpretation of Breast Ultrasound	Michael Andre, Ph.D. Radiology
T-cell Responses to Ad-CD154 Modified Chronic Lymphocytic Leukemia B cells	Thomas Kipps, M.D./Ph.D. Medicine
Evidence that Refractory Partial Onset and Generalized Epilepsy Syndromes Respond Comparably to Adjunctive Vagus Nerve Stimulation (VNS) Therapy	Evelyn Tecoma, M.D./Ph.D. Neurosciences
Closed Suction Irrigation for the Treatment of Postoperative Wound Infection of the Spine Following Spinal Fusion and Instrumentation	Behrooz Akbarnia, M.D. Orthopaedics

Documenting the Age of Onset of Menarche in Adolescents with Perinatal HIV	Karen Loper, M.D. Pediatrics
Web-based Tutorial in Medical Ethics	Christine Moutier, M.D. Psychiatry
Is Cytomegalovirus Viremia a Disease in Patients with HIV-Related Immunosuppression?	Samuel Bozzette, M.D./Ph.D. Medicine
Domestic Violence Outreach at a Free Clinic	Ellen Beck, M.D. Family and Preventive Medicine
Creatine: A Critical Review and Analysis of the Current Literature	Vibya Bhatnagar, M.D./M.P.H. Family and Preventive Medicine
Enhanced MRI Assessment of Right Heart Function in Primary Pulmonary Hypertension	Paul Friedman, M.D. Radiology
Economic Impact of Motor Vehicle Accident Costs Associated with Obstructive Sleep Apnea	Terence Davidson, M.D. Surgery
Development of Printed Health Education Materials Regarding Tuberculosis Identification, Screening, Reporting and Treatment Regimens for Health Care Providers in the City of Long Beach, CA	Sandra Daley, M.D. Pediatrics
Effects of Hypoxia and VEGF on KDR Receptor Expression and Cell Proliferation in Ovine Umbilical Vein Endothelial Cells (OUVEC)	Cecilia Cheung, Ph.D. Reproductive Medicine
Exploring the Role of Jun-N-terminal Kinase and Dishevelled-1 in Cardiomyocyte Hypertrophy and Apoptosis	Joan Heller Brown, Ph.D. Pharmacology
Effect of Gravity on Localization of Chondrocytes Implanted in Cartilage Defects	Robert Sah, M.D./Ph.D. Bioengineering
Incorporation of Tumor-Targeting Peptides into Recombinant Adeno-associated Virus Capsids	Theodore Friedmann, M.D. Pediatrics
Fructose Tolerance in Lactic Acidemia	William Nyhan, M.D. Pediatrics
Predisposing Risk Factors to Major Complications and Unsuccessful Convalescence following Induced Surgical Abortions	Thomas Moore, M.D. Reproductive Medicine
The Effect of Age on Antibody Production by Small Intestinal Plasma Cells	Stephen Baird, M.D. Pathology
Lidocaine Anal Block Limits Autonomic Dysreflexia During Anorectal Procedures in Spinal Cord Injury: A Prospective, Double-Blind Study	Bard Cosman, M.D. Surgery
Analysis of Risk Factors and Child Protective Services Involvement in Young Children with Skull Fractures	Cynthia Kuelbs, M.D. Pediatrics

PCR Analysis of CMV Latency Transcripts	Stephen Spector, M.D. Pediatrics
The Predictive Validity and Responsiveness of the EuroQol 5-D among HIV Infected Patients under Medical Care	Christine Moutier, M.D. Psychiatry
Folate Intake Assessment: Validation of a New Tool	Cheryl Rock, Ph.D./R.D. Family and Preventive Medicine
Blood Volume Determination Using Mean Clearance Method	Ronald Dueck, M.D. Anesthesiology
Utilization of Spacer Devices in Asthmatic and COPD Patients Presenting to the ED in Acute Respiratory Distress	David Guss, M.D. Medicine
Implant Loosening: The Effects of TNF-alpha on Titanium Particle Loaded Osteoblast Functions	L-L Paul Sung, Ph.D. Orthopaedics
The California Pulmonary Rehabilitation Collaborative Project: A Summary and Analysis of the Effectiveness and Potential Cost Savings of Pulmonary Rehabilitation	Andrew Ries, M.D. Medicine
Performance Measurements in Vestibular Rehabilitation Therapy Using Virtual Reality Simulators	Erik Viirre, M.D./Ph.D. Medicine