

Mentor	Department	Project title
Craig Malloy	Advanced Imaging Research Center	13C Studies of Intermediate Metabolism
Peter Szmuk	Anesthesiology	The Study of Rainbow Acoustic Monitoring and Capnometry
Peter Szmuk	Anesthesiology	SpHb, Respiratory Acoustic Monitoring, and Apneic oxygenation Studies
Gerald Matchett	Anesthesiology and Pain Management	Repetitive doses of etomidate versus propofol: a retrospective analysis of perioperative mortality during a three-month drug shortage
Philip Greilich	Anesthesiology and Pain Management	Active Preoperative Anemia Management to Reduce Erythrocyte Transfusion in Patients undergoing Cardiac Surgery, A Pilot Feasibility Study
Philip Greilich	Anesthesiology and Pain Management	Clinical Safety Improvement- Evaluation of the Handoff Checklist
Carole Mendelson	Biochemistry	Role of the miR-199a/214 Cluster in Developmental Induction of Surfactant Synthesis by the Human Fetal Lung
Steven Wolf	Burns and Trauma, Surgery	The effect of porcine urinary bladder extracellular matrix (UBM) on myogenesis of stressed myoblasts
Beverly Rothermel	Cardiology	Effects of Cox6a2 Knockout and Knockdown on Mitochondrial Function and Morphology
Emmanouil Brilakis	Cardiology	The Safety and Efficacy of the 'Hybrid Approach' to Chronic Total Occlusions: Insights from a Contemporary Multicenter US Registry
Emmanouil Brilakis	Cardiology	Prevalence and Treatment of 'Balloon Uncrossable' Coronary Chronic Total Occlusions
Rui Chen	Cardiology	An Acetate Switch Regulates Stress Erythropoiesis in Mammals
Bryan Bethea	Cardiothoracic Surgery	Heartware BiVAD: a novel end-stage biventricular failure treatment
Dan Meyer	Cardiovascular Thoracic Surgery	Mitral Valve Repair Over Two Contemporary Eras - Are The Newer Techniques Impacting Outcomes?
Michael DiMaio	Cardiovascular Thoracic Surgery	Evaluating Outcomes in Surgically-treated Infective Endocarditis: A retrospective analysis
Michael DiMaio	Cardiovascular Thoracic Surgery	Outcomes in Surgically-treated Infective Endocarditis
Jerry Shay	Cell Biology	Investigation of the effects of ionizing radiation on Human Bronchial Epithelial Cells (HBEC's)
Jerry Shay	Cell Biology	Utilizing Keap1/Nrf2 antioxidant pathway to modulate radiosensitivity in lung.
John Abrams	Cell Biology	Deconstructing p53: Oncogenic activity amongst p53 mutations
Michael Buszczak	Cell Biology	Screening through genes that may affect

		stem cell maintenance in <i>Drosophila</i> ovaries
Benjamin Chong	Dermatology	IgG, IgM, and IgA antinuclear antibodies in discoid and systemic lupus patients
Donald Glass	Dermatology	Genetic Determinants of Keloid Formation
Heidi Jacobe	Dermatology	A Longitudinal Study of the Impact of Morphea on Quality of Life Over Time
Rachael Cayce	Dermatology	The reliability of the histopathologic diagnosis of actinic keratosis
James Brugarolas	Development Biology	Tumorgrafts in mice predicts metastasis in patients with localized renal cell carcinoma
Prabakar Swaroop	Digestive and Liver	Outcomes in patients taking biological agents in Crohn's Disease and Ulcerative Colitis
Lynn Roppolo	Emergency Medicine	A Prospective Study Comparing Vancomycin and Clindamycin in the Treatment of Soft Tissue Infections in an Emergency Department Observation Unit
Lynn Roppolo	Emergency Medicine	A Prospective Study Evaluating QT Intervals After Antiemetics and Antihistamines In Unfunded Emergent Dialysis With Baseline QT Prolongation
Robert; Lynn Suter; Roppolo	Emergency Medicine	Demographics and Quality of Life in Emergent Dialysis Patients
Roppolo Lynn	Emergency Medicine	Vancomycin and Clindamycin in Soft Tissue Infections
Larry Myers	ENT	Free Tissue Reconstruction of the Head and Neck: the University of Texas Southwestern Experience
Ron Mitchell	ENT	T&A Cause Obesity
Nora Gimpel	Family & Community Medicine	Increasing Immunization Rate Among Children Experiencing Homelessness
Christy Turer	General Pediatrics	What Do Parents Want for Their Overweight Children When Visiting the Pediatrician?
Adam Alder	General Surgery - CMC	A Review of Interval Appendectomy
Fiemu Nwariaku	Global Health	The Cost of Treating Gunshot Wounds in Orthopaedic Trauma in South Africa
Theo Ross	Hematology/Oncology	Identification and characterization of BRCA1 cooperating mutations in patients with hereditary breast cancer
Gloria Vega	Human Clinical Nutrition	Reference Values for Body Composition determined by Dual X-Ray Absorptiometry (DXA) in Europids
Helen Hobbs	Human Growth and Development	CGI-58 interaction with PNPLA3
Ellen Vitetta	Immunology	Novel insights into the molecular mechanisms underlying the dual targeting of CD54 and mTOR in human lymphoma cell lines
Amit Singal	Internal Medicine	Development of Risk Prediction Score for Development of HCC among Patients with Cirrhosis

Deborah Clegg	Internal Medicine	Estrogen Receptors in Prostate Cancer
Dharam Kumbhani	Internal Medicine	A comparison of patient and physician perceptions for invasive cardiac procedures.
James Wagner	Internal Medicine	Rounding in the Electronic Age - An Intervention
James Wagner	Internal Medicine	Rounding in an Electronic Age: An Intervention to Explore Best Practices
Jay Schneider	Internal Medicine	Drug Discovery: Finding a Molecule that will Direct Cardiomyocyte Differentiation
Philip Raskin	Internal Medicine	New technological approaches to the clinical trial recruitment process: The efficacy of the Electronic Medical Records (EMR) database in enrolling patients in the GRADE Study
Roger Unger	Internal Medicine	Hepatic over-expression of glucagon receptor improves glucose homeostasis in Type 1 Diabetic mouse model
Wanpen Vongpatanasin	Internal Medicine	Role of Endothelial NO Synthase Expression on Endothelial Dysfunction in Hypertension Patients
James Brugarolas	Internal Medicine - Cancer Biology	Engraftment of tumorgrafts predicts for development of metastasis in patients with localized renal cell carcinoma.
Ezra Burstein	Internal Medicine - Digestive Diseases	Functional characterization of an R77H missense mutation in secretagogin, a possible cause of ulcerative colitis in three siblings
Craig Rubin	Internal Medicine - Geriatrics	Standard Calcium Supplementation May Increase Kidney Stone Risk
Miguel Vazquez	Internal Medicine - Nephrology	Hemodialysis Fistula Maturation Consortium
Zahid Ahmad	Internal Medicine Subspecialty	PCSK9 gene and human health impact
Jeffrey Zigman	Internal Medicine, Division of Hypothalamic Research	The Role of Arcuate AgRP Neurons in Ghrelin Food Reward Behavior
David Gerber	Internal Medicine/Hematology Oncology	Standardizing creatinine clearance estimation for the Calvert Formula to improve safety and efficacy of carboplatin
David Barry	Molecular Biology	Development of the cardiovascular system: GTPases regulate blood vessel formation
James Amatruda	Molecular Biology	The Role of HNF4a in Early Zebrafish Development
Michael Brown	Molecular Genetics	Intestinal cholesterol homeostasis
Peter Van Buren	Nephrology	The Effect of Extracellular Volume and Vascular Resistance on Ambulatory Blood Pressure in Patients with Intradialytic Hypertension
Jonathan White	Neurological Surgery	Factors that Predict Poor Outcome after Treatment of Un-ruptured Anterior Communicating Artery Aneurysms
Susan Arnold	Neurology & Neurotherapeutics,	Evaluating Caregiver Satisfaction After First Visit to a Pediatric Epilepsy Center

	Pediatrics	
Robert Bachoo	Neuro-Oncology	The Effects of Brain Tumors on Non-Tumor Cells in the Brain
TouYia (PI: Jane) Vue (PI: Johnson)	Neuroscience	In vivo Gene Expression Analysis of Glioma Tumors in Ascl1 Conditional Knockout Mice
Abhimanyu Garg	Nutrition and Metabolic Disease	ADRA2A Patient Mutation
Ann Word	OB/GYN	The effect of MiTF-CX on activity of the Progesterone Receptor Gene
Danielle Robertson	Ophthalmology	Mouse model for diabetic keratopathy
Danielle Robertson	Ophthalmology	The role of lens type in contact lens-related microbial keratitis
Karanjit Kooner	Ophthalmology	Glaucoma and breast cancer
Karanjit Kooner	Ophthalmology	Primary open-angle glaucoma: Adjunct eye diseases and family history
Rafael Ufret-Vincenty	Ophthalmology	Effects of Chronic Low Grade Inflammation on a mouse model of Age-related Macular Degeneration
Rafael Ufret-Vincenty	Ophthalmology	Diet Cfh Mouse Brain Study
Michael Huo	Orthopedic Surgery	Hip Revision Database
Karl Rathjen	Orthopedics	Epiphysiodesis Study
Che Xu	Otolaryngology	Vocal Fold regeneration in 3D Scaffold Models
Pete Batra	Otolaryngology	Long-term sinonasal quality of life outcomes after endoscopic resection of sinonasal and skull base tumors
Pete Batra	Otolaryngology	Evaluation of the efficacy of surgical margins in the management of sinonasal tumors
James Malter	Pathology	Pin1 modulation of TGF-B induced apoptosis in human eosinophils
James Malter	Pathology	Effect of phosphorylation on Pin1 stability
Rene Galindo	Pathology	Conditional shRNA knockdown of Mef2c in C2C12 cells
Susan Arnold	Pediatric Neurology	Initial Evaluation by Primary Care Providers Referring Children to a Pediatric Epilepsy Center
James Amatruda	Pediatric Oncology	Let-7 Target Gene Analysis
John Birch	Pediatric Orthopedics	Results of Epiphysiodesis for Treatment of Limb Length Difference
Joseph Murphy	Pediatric Surgery	Review of preterm infants to assess associations between blood transfusion, occurrence of necrotizing enterocolitis and subsequent outcome.
Philip Shaul	Pediatrics	Role of Apolipoprotein E 2 Receptor 2(apoER2) in Pregnancy Complications of the Antiphospholipid Syndrome (APS).
David Mangelsdorf	Pharmacology	Characterization of the Endogenous Ligand for the immunomodulatory orphan nuclear receptor ROR γ
Jeffrey Kenkel	Plastic Surgery	An Outcomes Analysis of Heparin vs. Low-

		Molecular Weight Heparin Thromboprophylaxis in Variable-BMI Plastic and Reconstructive Surgery Patients Is it safe to combine excisional procedures with liposuction in body contouring surgery?
Kathryn Davis	Plastic surgery	
Kathryn Davis	Plastic Surgery	The impact of operative time on morbidity after plastic surgery
Kathryn Davis	Plastic Surgery	Application of the Caprini Risk Assessment Model in Evaluation of Non-VTE Complications in Plastic and Reconstructive Surgery Patients
Adrian Rothenfluh	Psychiatry	Epigenetic Changes with Histone Demethylases
Sherwood Brown	Psychoneuroendocrinology	Asthma and Depression
Kevin Albuquerque	Radiation Oncology	Long Term Critical Organ Toxicity Following High Dose Rate Brachytherapy for Cervical Cancer and Correlation with Dose - Using Structure and Dose Deformation
Kevin Albuquerque	Radiation Oncology	Mapping of Metastatic Pelvic/Para-aortic Lymph Nodes in Cervical Cancer Patients in an Under Insured Population, and Assessing their Outcomes with positive Nodes
Nathan Kim	Radiation Oncology	Analysis of outcome data of prostate cancer patients treated with salvage radiation therapy after radical prostatectomy
Kevin King	Radiology	Evaluation of Fiber Optic Pressure Sensors
Michael Devous	Radiology	Advanced Analyses of Neuroimaging Biomarkers in Alzheimer's Disease
David Karp	Rheumatology	
Daniel Scott	Surgery	Comparison of Physical and Simulation- based Robotic Training Programs
Lynn Roppolo	Surgery: Emergency Medicine Division	A Prospective Study Evaluating QT Intervals After Antiemetics and Antihistamines In Unfunded Emergent Dialysis With Baseline QT Prolongation
John Mansour	Surgical Oncology	Effect of BMI on GI Cancer Surgical Outcomes
Rohit Sharma	Surgical Oncology	A retrospective review of melanoma treatment at UT Southwestern University hospitals
Rolf Brekken	Surgical Oncology	Lung Tumor Lymphangiogenesis
Carol Tamminga	Translational Neuroscience/Psychiatry	Examining Glutamatergic Signaling the Hippocampus and Anterior Cingulate Cortex in Schizophrenia
Philippe Zimmern	Urology	Macroplastique UBA efficacy as first line and salvage treatment for female SUI
Philippe Zimmern	Urology	Correlation Between Biomechanical and Structural Changes of Human Anterior Vaginal Wall Mesh Explants
Phillipe Zimmern	Urology	2 projects - See summary

Yair Lotan

Urology

Stone Recurrence in First-Time Kidney
Stone Formers After Ureteroscopy

Carlos Timaran

Vascular Surgery

Percutaneous vascular access in major
endovascular aortic surgery.