

Surgery Research Interests 2015

Name	Division-Department	Research Interests
Araghizadeh, Farshid M.D., F.A.C.S.	Colon & Rectal Surgery	Colon Cancer and Colon Polyps; Inflammatory Bowel Disease (IBD); Laparoscopic Surgery; Minimally Invasive Surgery; Rectal Cancer
Arenas, Juan M.D.	Surgical Transplantation	Extracorporeal and in-situ perfusion in solid organs
Augustine, Matthew M.D.	Surgical Oncology	Understanding the mechanisms of drug resistance in pancreatic cancer, colon cancer, and GIST
Balch, Glen M.D.	Surgical Oncology	Minimally invasive surgical techniques in the treatment of cancer patients; the use of biomarkers for patient selection and treatment
Brekken, Rolf Ph.D.	Surgical Oncology	We study the tumor microenvironment with an emphasis on how ECM remodeling, angiogenesis and immune status effect the efficacy of the therapy
Cripps, Michael M.D.	Burn, Trauma, Critical Care	The resuscitation of severely injured patients; Blood Transfusion Medicine; Coagulation disorders and Viscoelastic analysis
Chung, Jayer M.D.	Vascular Surgery	Clinical outcomes after surgical interventions for chronic critical limb ischemia, acute limb ischemia and thoracic and abdominal aortic disease
Desai, Dev M.D.	Surgical Transplantation	The research focus of our lab is on the molecular genetic changes that result in the development of hepatocellular carcinoma using the genetic disease, glycogen storage disease
Eastman, Alexander M.D.	Burn, Trauma, Critical Care	Trauma surgery, tactical medicine and pre-hospital EMS
Gatson, Joshua Ph.D.	Burn, Trauma, Critical Care	Use of interventional therapies to treat traumatic

		brain injury, identification of biomarkers of brain injury and identifying mechanisms of Neuro-protection after injury and drug treatment
Huebinger, Ryan Ph.D.	Burn, Trauma, Critical Care	Genetic basis for human disease, specifically those disease states that involve inflammation and innate immunity. Research goals include 1) resolution of genetic variation that predisposes patients to increased risk of an infection or a dysregulated inflammatory response following burn injury, severe trauma or major surgery and 2) elucidation of the molecular etiologies by which these genetic variants affect disease risk
Huerta, Sergio M.D.	GI/Endocrine	My research interests focuses on the factors that lead to resistance to radiation induced apoptosis
Huth, James M.D.	Surgical Oncology	Melanoma and vaccines, sarcoma, liver tumors and breast cancer
Leitch, A. Marilyn M.D.	Surgical Oncology	Neoadjuvant endocrine and chemotherapy for breast cancer; Minimally invasive surgery for lymph node staging in breast cancer Innovative strategies for localization of breast tumors for removal; Breast cancer Sarcoma; melanoma
Mansour, John M.D.	Surgical Oncology	Individualized cancer care; multimodality treatment of gastrointestinal, pancreatic and hepatic malignancy; expression analysis of gastrointestinal malignancy and treatment selection
Minei, Joseph M.D.	Burn, Trauma, Critical Care	Trauma patient care
Nwariaku, Fiemu M.D.	GI Endocrine	Endothelial Signaling during Tissue Injury, Adrenal tumors and cancer, Angiogenesis,

		Parathyroid Hormone Effects on Bone and Thyroid Cancer
Pham, Thai M.D.	GI/Endocrine	Characterization and treatment of Barrett's esophagus
Phelan, Herb M.D.	Burn, Trauma, Critical Care	Leukoreduction of blood products; Pancreatic injuries; venousthromboembolism and head injury; prophylactic vena cava filters; trauma practice management guideline development
Polanco, Patricio M.D.	Surgical Oncology	Outcomes research analysis of GI malignancies (hepatopancreato-biliary cancer, colo-rectal cancer, peritoneal disease,etc), Cytoreductive surgery/HIPEC, minimally invasive and Robotic Surgery techniques
Porembka, Matthew M.D.	Surgical Oncology	Gastric Cancer, Identification of biomarkers for the early detection of GI malignancy and personalized/targeted treatment of pancreatic and hepatobiliary malignancies
Puzziferri, Nancy M.D.	GI/Endocrine	Genetic influence on weight loss after bariatric surgery
Rabaglia, Jennifer M.D.	GI/Endocrine	Thyroid, parathyroid and adrenal disease, thyroid cancer, and surgical innovation and the application of technology in surgery
Rao, Roshni M.D.	Surgical Oncology	Surgical Treatment for metastatic breast cancer; treatment of locally advanced breast cancer; benefits of tumescent mastectomy; breast cancer in American ethnic populations
Rivers, Aeisha M.D.	Surgical Oncology	Breast cancer outcomes research and cancer related disparities
Scott, Daniel M.D.	Minimally Invasive Surgery	Development of new curricula, validation of new curricula, improvement of training methods and development of strategies to improve skill maintenance

Sharma, Rohit M.D.	Surgical Oncology	Melanoma, sarcoma, cancer metastasis, tumor immunology
Tiwana, G. Paul M.D.	Oral & Maxillofacial Surgery	Dento-facial deformities/Orthognathic Surgery, Craniofacial syndromes
Timaran, Carlos M.D.	Vascular Surgery	Peripheral artery disease in Hispanics
Wang, Sam M.D.	Surgical Oncology	Identifying molecular mechanisms that drive cancer formation and metastasis, specifically in cancers of the stomach, pancreas, liver and bile ducts
Wolf, Steven M.D.	Burn, Trauma, Critical Care	Muscle wasting after injury, Decision support; technologies in the ICU; Outcomes after injury; Hypermetabolism and nutrition in burns; Clinical Trials in burns
Wooldridge, Rachel M.D.	Surgical Oncology	Management of high risk patients, disparities in care, innovative techniques to the surgical approaches for breast cancer
Yopp, Adam M.D.	Surgical Oncology	Novel biomarkers for upper gastrointestinal malignancies
Zang, Qun Ph.D.	Burn, Trauma, Critical Care	Sepsis-induced mitochondrial pathology, inflammatory and autophagic responses. Evaluation of therapeutic potentials of mitochondria-targeted antioxidants using preclinical models
Zuniga, John D.M.D	Oral & Maxillofacial Surgery	Trigeminal peripheral nerve regeneration; acute and chronic facial pain