

SURGERY RESEARCH INTERESTS - 2012

NAME	DIVISION- DEPARTMENT	RESEARCH INTERESTS
<u>Anthony, Thomas</u>	Surgical Oncology	Research focuses on the interaction between therapy and quality of life outcomes for patients undergoing surgery for gastrointestinal malignancy and peripheral arterial insufficiency. Also interested in defining the effects of computerized records on medical errors in the surgical intensive care unit.
<u>Araghizadeh, Farshid M.D., F.A.C.S.</u>	Colon & Rectal Surgery	Colon Cancer and Colon Polyps; Diverticulitis; Inflammatory Bowel Disease (IBD); Laparoscopic Surgery; Minimally Invasive Surgery; Rectal Cancer.
<u>Arenas, Juan</u>	Surgical Transplantation	Extracorporeal and in-situ perfusion of solid organs
<u>Balch, Glen</u>	Surgical Oncology	Minimally invasive surgical techniques in the treatment of cancer patients; the use of biomarkers for patient selection and treatment
<u>Brekken, Rolf</u>	Surgical Oncology	Tumor-host interactions in pancreatic cancer as an avenue for the development of novel therapy.
<u>Chen, Li Ern</u>	Pediatric Surgery	Long term effects of pediatric surgery
<u>Chung, Jayer</u>	Vascular Surgery	Clinical outcomes after surgical interventions for chronic critical limb ischemia, acute limb ischemia, and thoracic and abdominal aortic disease.
<u>Debroy, Meelie</u>	Surgical Transplantation	Graft and patient survival after liver transplant, effects of immunosuppression on liver transplant patients, economic impact of transplant on outcomes relating to the field
<u>Desai, Dev</u>	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 - Ia, as a model system. We are also trying to identify target genes to minimize ischemia-reperfusion injury during renal transplantation.
<u>Eastman, Alexander</u>	Burn, Trauma, Critical Care	Trauma surgery, tactical medicine and pre-hospital EMS
<u>Euhus, David</u>	Oncology	Biomarkers in breast epithelial cells as a measure of breast cancer risk. DNA damage and repair responses in relation

		to breast cancer risk
<u>Fischer, Anne</u>	Pediatric Surgery	Aerosolized vectors in the lungs of primates
<u>Fuchs, Julie</u>	Pediatric Surgery	Late effects and long term outcomes in pediatric solid tumors, neuroblastoma and cancer stem cells, novel treatment of short bowel syndrome and liver failure, novel techniques in minimally invasive surgery, long term outcomes in meconium ileus and cystic fibrosis
<u>Gatson, Joshua</u>	Burn, Trauma, Critical Care	Use of interventional therapies to treat traumatic brain injury, identification of biomarkers of brain injury, and identifying mechanisms (signaling pathways) of neuro-protection after injury and drug treatment.
<u>Huebinger, Ryan</u>	Burn, Trauma, Critical Care	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 elucidation of the molecular etiologies by which these genetic variants affect disease risk.
<u>Huerta, Sergio</u>	GI/Endocrine	My research interest focuses on the factors that lead to resistance to radiation induced apoptosis.
<u>Huth, James</u>	Surgical Oncology	Melanoma and vaccines, sarcoma, liver tumors and breast cancer
Idris, Ahamed 214-648-8652	Emergency Medicine	Lab investigations of ventilation in shock, traumatic brain injury, and cardiac arrest. PI for NIH Resuscitation Outcomes Consortium focused on pre-hospital clinical trials in severe traumatic injury and cardiac arrest; epidemiological database for cardiac arrest and severe injury.
<u>Leitch, A. Marilyn</u>	Surgical Oncology	Lymphatic mapping, breast cancer, melanoma
Lewis, Cheryl 214-648-4975	Surgical Oncology	Ductal carcinomas of the breast
<u>Livingston, Edward</u>	GI/Endocrine	Bariatrics, appendicitis, imaging and surgical outcomes
<u>Mansour, John</u>	Surgical Transplantation	Individualized cancer care; multimodality treatment of gastrointestinal, pancreatic and hepatic malignancy; expression analysis of gastrointestinal malignancy and treatment selection
<u>Miller, Adam</u>	Emergency Medicine	Effectiveness of medical procedures in the ER
<u>Minei, Joseph</u>	Burn, Trauma, Critical Care	Trauma patient care
<u>Nwariaku, Fiemu</u>	GI Endocrine	Endothelial Signaling during Tissue Injury, Angiogenic Mechanisms of Metastases in Thyroid Cancer

<u>Pepe, Paul</u>	Emergency Medicine	Resuscitation medicine and emergency medical services delivery
<u>Pham, Thai</u>	GI/Endocrine	Characterization and treatment of Barrett's esophagus
<u>Phelan, Herb</u>	Emergency Medicine	Leukoreduction of blood products; Pancreatic injuries; venousthromboembolism and head injury; prophylactic vena cava filters; trauma practice management guideline development
<u>Puzziferri, Nancy</u>	GI/Endocrine	Genetic influence on weight loss after bariatric surgery
<u>Rabaqlia, Jennifer</u>	GI/Endocrine	Thyroid, parathyroid and adrenal diseases, thyroid cancer, and surgical innovation and the application of technology in surgery
<u>Rao, Roshni</u>	Surgical Oncology	Surgical treatment for metastatic breast cancer; treatment of locally advanced breast cancer; benefits of tumescent mastectomy; breast cancer in American ethnic populations
<u>Rivera, Fernando</u>	Burn, Trauma, Critical Care	Innate immune response to trauma, sepsis and multiple organ failure, innate immunity gene polymorphisms, hemorrhagic shock, immunoinflammatory markers
<u>Roppolo, Lynn</u>	Emergency Medicine	Cardiopulmonary resuscitation
<u>Schwarz, Roderich</u>	Surgical Oncology	Experimental combination therapy for pancreatic, hepatobiliary, and gastric cancer; Use of antiangiogenic therapy alone or in combination with conventional cytotoxic chemotherapy in vivo; Mechanisms of cancer cell adhesion, migration and invasion
<u>Scott, Daniel</u>	Minimally Invasive Surgery	Dr. Scott's research focuses on the development of new curricula, validation of new curricula (often in terms of transferability to a real operation, human or animal lab), improvement of training methods, development of strategies to improve skill maintenance, methods for assessment of operative performance, and methods for verifying proficiency.
<u>Sharma, Rohit</u>	Surgical Oncology	Melanoma, sarcoma, cancer metastasis, tumor immunology
<u>Tiwana, G. Paul</u>	Oral & Maxillofacial Surgery	Dento-facial Deformities/Orthognathic Surgery, Craniofacial Syndromes, Craniosynostosis, Cleft Lip and Palate, Craniomaxillofacial Trauma
<u>Timaran, Carlos</u>	Vascular Surgery	Peripheral artery disease in Hispanics
<u>Wigginton, Jane</u>	Emergency Medicine	Estrogen use in traumatic injury
<u>Wolf, Steven E.</u>	Burn, Trauma, Critical	Endocrine response to critical illness, gut

	Care	response to injury, burn outcomes modeling and repair after trauma and burn
<u>Yopp, Adam</u>	Surgical Oncology	Novel biomarkers for upper gastrointestinal malignancies
<u>Zang, Qun</u>	Burn, Trauma, Critical Care	Trauma-related mitochondrial dysfunction
<u>Zuniga, John</u>	Oral & Maxillofacial Surgery	Genetic modulation of chronic and acute oral-facial pain