

*University of Pittsburgh*  
*School of Medicine*



**SCHOLARS DAY**  
**CLASS OF 2016**

**WEDNESDAY, APRIL 6, 2016**  
**O'HARA STUDENT CENTER**  
**4024 O'HARA STREET**  
**8:30 A.M. – 1:00 P.M.**

**SHOWCASING SCHOLARLY PROJECTS**  
**MENTOR AND STUDENT AWARDS**  
**STUDENT PUBLICATIONS**  
**STUDENT NATIONAL, STATE, AND LOCAL AWARDS**

# TABLE OF CONTENTS

Scholarly Projects of the Class of 2016	Pages 1 - 13
Scholarly Project O'Malley Awards	Page 14
Scholarly Project Certificate of Merit Awards	Pages 15
Scholarly Project Faculty Mentor Awards	Page 16
Student Accomplishments	Page 17
Publications	Pages 18 - 30
Manuscripts submitted	Pages 31 - 34
National and State Awards	Pages 35 - 37
Local Awards	Pages 38 - 42
Scholarly Project Deans and Administration	Page 43

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Abraham, Neethu	Perception of pulmonary function in children with asthma and cystic fibrosis	Daniel Weiner, MD	Pediatric Pulmonology
Ahn, Brian	HDC expression and histamine in the development of malignant glioma	Hideho Okada, PhD	Neurological Surgery
Ahn, Michelle	Novel diagnosis with Optical Coherence Tomography (OCT): Optic nerve imaging	Andrew Eller, MD	Ophthalmology
Aninwene, Amanda	Disturbed sleep and emotional learning in adolescents	Dana McMakin, PhD	Psychiatry
Au, Jeremiah	Survey examining the use of rituximab for pemphigus vulgaris	Timothy Patton, DO	Dermatology
Aveson, Victoria	Microbial determinants of clinical outcomes of patients undergoing the Whipple Procedure	Michael Morowitz, MD	Pediatric Surgery
Baidoo, Kevin	A Study of meniscal hoop displacement in an ACL-intact vs. ACL-deficient knee	Christopher Harner, MD	Orthopaedic Surgery
Barrington, Elizabeth	Coaching boys into men- Exploring the role of coaches in presenting a gender violence prevention program	Elizabeth Miller, MD, PhD	Adolescent Medicine
Bintrim, Daniel	Assessing risk for aspiration events using an aspiration prediction model	Katie Nason, MD, MPH	Cardiothoracic Surgery
Birkness, Jacqueline	Chromosomal copy number instability in gastric and esophageal adenocarcinoma	Jon Davison, MD	Pathology
Black, John	Effect of thrombus type on microbubble-mediated ultrasound therapy in an in-vitro model of microvascular obstruction	Flordeliza Villanueva, MD	Medicine
Blackwood, Jonathan	Mobile mental health development, implementation, and adoption considerations	Anne Germain, PhD	Psychiatry

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Boakye, Lorraine	Differences in TGF-Beta1 expression in platelet-rich plasma treated vs. saline treated autologous osteochondral transplants: An in vivo rabbit model	John Kennedy, MD	Orthopaedic Surgery
Bohnhoff, James	Venous thrombosis in the neonatal intensive care unit	Misty Good, MD	Pediatrician
Boiko, Julie (CSTP)	Regulatory T Cells and Graft-Versus-Host Disease after Allogeneic Hematopoietic Cell Transplantation	Paul Szabolcs, MD	Pediatrics
Brase, Amanda	Exploring the relationship between disturbed sleep and poor heart function	Martica Hall, PhD	Psychiatry
Burrow, Michael (PSTP)	Mechanisms of stromal remodeling by corneal stromal stem cells	James Funderburgh, MD	Ophthalmology
Cassedy, Joshua	The Development of PTSD in bereaved adolescents and children	David Brent, MD	Psychiatry
Chapman, Bhavana (PSTP)	MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer	Jennifer Grandis, MD and Saleem Khan, PhD	Ophthalmology
Chen, Daniel	End-tidal CO <sub>2</sub> as a prognostic indicator during ACLS resuscitation	James Menegazzi, PhD	Emergency Medicine
Cheng, Carol	Impact of healthtrak on diabetes and hypertension	Ateeva Mehrotra, MD, MPH	Medicine
Chitrapu, Anjani	Interaction between Lhx6 deficits and maternal immune activation on cortical parvalbumin and somatostatin neuron development	David Volk, MD, PhD	Psychiatry and Neuroscience
Choi, Myung Sun	Cell-spray grafting for second degree burns – The effect of cell storage condition on cell viability and function	Jorg Gerlach, MD, PhD	Regenerative Medicine
Choi, Phillip (CSTP)	Apoptotic Pathway Gene Expression and Variation in Traumatic Brain Injury	David Okonkwo, MD, PhD	Neurosurgery

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Cody, Ellen	Role of xanthine oxidoreductase in wound healing	Edith Tzeng, MD	Surgery
Covell, Benjamin	A retrospective case study of pediatric living-related liver transplantation with two different surgical options	George Mazariegos, MD	Pediatric Transplantation
Cui, Liang	Physical and Occupational Therapy Utilization and Patient Outcomes in a Pediatric Intensive Care Unit	Ericka Fink, MD	Critical Care Medicine
Cummings, Erin (PSTP)	Deficient and Null Variants of SERPINA1 Are Proteotoxic in a Caenorhabditis elegans Model of $\alpha$ 1-Antitrypsin Deficiency	Gary Silverman, MD	Pediatrics
D'Angelo, Alex	Atrial arrhythmias following lung transplantation: incidence and risk factors in 660 lung transplant recipients	Jonathan D'Cunha, MD, PhD	Surgery
Daley, Michael	Impact of periconceptional diet on the development of preeclampsia in obese women	James Roberts, MD	Obstetrics and Gynecology
Delahunta, Daniel	Study of available programs that build and analyze high-throughput sequencing data	Michael Barmada, PhD	Biomedical Informatics
Dewasurendra, Anusari	The effects of everyday discrimination, ethnic identity, and cultural norms towards pregnancy on risk of teenage pregnancy in african american and caucasian girls	Alison Hipwell, PhD	Psychiatry
Dhaliwal, Amardeep	Identification of trabecular meshwork cell progenitor origin using a cytoablative feline immunodeficiency virus vector and photocoagulation	Nils Loewen, MD, PhD	Ophthalmology
Dombrowski, Malcolm	Anatomic, MRI, and biomechanical description of the lateral capsule of the knee.	Freddie Fu, MD	Orthopaedic Surgery
Eng, Michael	Influence of primary care physicians in supporting successful weight loss	Margaret Conroy, MD, MPH	Internal Medicine

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Engeln, Kathleen	The incidence of melanoma in patients with severely dysplastic nevi	Timothy Patton, DO	Dermatology
Eseonu, Amarachi	High peak power laser therapy using the 1064 nm Nd: YAG Laser in the treatment of scleroderma and Raynaud's Phenomenon of the hands (Extension)	Suzan Obagi, MD	Dermatology
Etchill, Eric	Massive transfusion practices in the non-trauma setting	Matthew Neal, MD	Surgery
Ettyreddy, Abhinav	Effect of cetuximab and panitumumab monoclonal antibody therapy on monocyte differentiation	Robert Ferris, MD, PhD	Otolaryngology
Farrell, Daniel	The effect of paternal preconception ethanol exposure on offspring	Gregg Homanics, PhD	Pharmacology
Filip, Ari	Categorizing feedback from standardized confederates during MOCA simulation courses	William McIvor, MD	Anesthesiology
Forsyth, Raelynn	Assessment of glycerol phenylbutyrate as a chaperone in the treatment of patients with MCAD deficiency caused by the common 985 A>G (K304E) mutation	Gerard Vockley, MD, PhD	Medical Genetics
Frank, Rachel	Estimation of body weight and effect of weight on defibrillation effectiveness in out of hospital cardiac arrest	Clifton Callaway, MD, PhD	Emergency Medicine
Han, Katrina	Minimally invasive resection of hepatic metastases from colorectal cancer reduces time to initiation of adjuvant chemotherapy	Allan Tsung, MD	Surgery
Heft-Neal, Molly	Potentiating the cytotoxicity of cisplatin with the fatty acid synthase inhibitor orlistat in ovarian tumor cells	Bennett Van Houten, PhD	Pharmacology
Hernandez, Sergio	Evaluation of safety and efficacy of antifibrinolytic therapies during heart transplantation	Kathirvel Subramaniam, MD	Anesthesiology

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Holt, Douglas (CSTP)	A prospective, phase II study determining the efficacy of pre-operative stereotactic radiosurgery followed by surgical resection for brain metastases	Dwight Heron, MD	Radiation Oncology
Howard, Amari	Esophageal diameter as assessed on chest CT predicts pulmonary complication after lung transplantation	Klaus Bielefeldt, MD, PhD	Internal Medicine
Hsu, Diane	Comparing peri-operative complications of open and laparoscopic surgeries in cirrhotic patients	Allan Tsung, MD	Surgery
Hu, Jennifer	A fluorogen activating protein-based pH detection system for mucin secretion and expansion in cystic fibrosis	Simon Watkins, PhD	Regenerative Medicine
Huh, Alexander	Novel prognostic biomarkers in liver failure associated with acetaminophen toxicity	Anthony Pizon, MD	Emergency Medicine
Hunter, Oriana	Optimization of hemodynamic monitoring of left ventricular assist devices	Robert Kormos, MD	Surgery
Jean, Katie	The performance characteristics of obstetric ultrasound in the detection of congenital heart defects in patients with a prenatal diagnosis of a structural anomaly in comparison to fetal echocardiogram at Magee Women's Hospital of UPMC	Stephen Emery, MD	Obstetrics and Gynecology
Jennings, Ryan	Using shock index to assess treatment and outcomes on pediatric critical care transport in patients with suspected sepsis	Ericka Fink, MD	Critical Care
Kang, Audrey	The role of c-Myc Dysregulation in pyruvate metabolism	Edward Prochownik, MD, PhD	Pediatric Oncology
Kano, Daji	Novel arthroplasty strategies for proximal humeral fracture/dislocations	Ivan Tarkin, MD	Orthopaedic Surgery

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Keerthy, Divya	The role of pain catastrophizing in functional abdominal pain in pediatric patients with Crohn's Disease	Eva Szigethy, MD, PhD	Psychiatry
Kelly, John	Assessment of the spiritual needs of primary caregivers of children with life-limiting illnesses is valuable yet inconsistently performed in the hospital	Scott Maurer, MD	Pediatric Oncology
Khalaf, Alexander (CSTP)	Altered Functional Magnetic Resonance Imaging Markers of Affective Processing During Treatment of Late Life Depression	Howard Aizenstein, MD	Psychiatry
Kilbridge, Matthew	Neck Assessment and Reporting Evaluation System (NARES)	Barton Branstetter, MD	Radiation Oncology
Kim, James	An assessment of the Oracle Translational Research Center's ability to meet the specific needs of the Pitt/UPMC gynecologic cancer research program	Rebecca Crowley, MD, MS	Biomedical Informatics
Kim, Jee-Hong (CSTP)	The Effect of Medical Treatment of Co-Morbidities in Improving Eustachian Tube Function in Patients with Eustachian Tube Dysfunction	Cuneyt Alper, MD	Otolaryngology
Kim, Joyce	Mental health and care seeking among non-heterosexual Asian American women	Elizabeth Miller, MD, PhD	Orthopedic Surgery
Kirakossian, David	Anxiety and emotional arousal as mechanisms in Cyclical Vomiting Syndrome	Klaus Bielefeldt, MD, PhD	Medicine
Kuhn, Julia	Predictive value of perioperative circumpapillary retinal nerve fiber layer thickness in primary rhegmatogenous retinal detachment macular anatomic outcomes	Joseph Martel, MD	Ophthalmology



## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Laskow, Bari	Feasibility of community-based self-sampling for HPV testing for non-attenders of cervical cancer screening programs in the Paracentral region of El Salvador – a pilot study	Mirian Cremer, MD	Obstetrics and Gynecology
Lee, Andy	Neurotransmitter receptors involved in bladder neuromodulation	Changfeng Tai, PhD	Urology
Lee, Jake	Neovascularization as a predictor for abdominal aortic aneurysmal growth	Rabih Chaer, MD	Vascular Surgery
Lehman, David	The effects of Omega-3 Fatty Acids on cognition in healthy mid-life adults	Matthew Muldoon, MD	Internal Medicine
Lesky, Daniel	Assessment of patients for raised intracranial pressure by ultrasonographic measurement of optic nerve sheath diameter.	Christopher Schott, MD, MS	Critical Care
Lin, Liu Yi	Pulse oximetry screening for congenital heart disease in newborn infants at Magee Hospital: 2 Year Overview	Barbara Cohan, MD	Pediatrics
Lo, Ka Yan	Characterization of in-vivo limbal connective tissue architecture	Kira Lathrop, MAMS	Ophthalmology
Manchester, Leah	Regional cerebral blood flow alterations and outcome in children following traumatic brain injury and cardiac arrest	Ericka Fink, MD	Critical Care Medicine
Markos, Steven	The effects of genetic variation within dopaminergic genes and hormones on multiple outcomes following traumatic brain injury	Amy Wagner, MD	Physical Medicine and Rehabilitation
McDermott, Sean	Computer-assisted image analysis in cytopathology	Sara Monaco, MD	Pathology
McQueen, Braxton	Retrospective clinical evaluation of the arthrex tightrope femoral suspension device for ACL reconstruction	Stephen Rabuck, MD	Orthopaedic Surgery

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Michelson, Sarah	Outcomes of cardiac arrest in nursing homes	Jon Rittenberger, MD	Emergency Medicine
Minkoff, David	Prediction of cervical carcinoma response to high-dose rate brachytherapy using quantitative magnetic resonance imaging analysis of tumor response to external beam radiotherapy	Sushil Beriwal, MD	Radiation Oncology
Moghul, Ayesha	Immunologic fingerprint of breast cancer patients receiving adjuvant endocrine therapy	Jose Van London, MD, MSc	Oncology
Mohanty, Aditya	A comparison of asthma and obesity between races	Fernando Holguin, MD, MPH	Pulmonology
Morales, Alejandro	Synergistic effect of ABT-737 and NVP-BKM120 on apoptosis in human malignant glioma cells	Ian Pollack, MD	Pediatric Neurosurgery
Moretensen, Peter	Functional manifestations of pressure changes in the middle ear system: An fMRI Study	John Swarts, PhD	Pediatric Otolaryngology
Mukherjee, Abhigyan	Development of a wearable motion tracking device to improve knee joint function and mobility during physical rehabilitation	Kevin Bell, PhD	Orthopaedic Surgery
Negrin, Isabela	SALT in the 3rd and 4th year medical student anesthesiology curriculum	William McIvor, MD	Anesthesiology
Newlon, Claire	Demographic factors in the relationship between readiness to change and weight management success in adolescents with polycystic ovary syndrome	Dana Rofey, PhD	Psychiatry
Newsome, Hillary	Histological analysis of chronic rotator cuff tears	Richard Debski, PhD	Regenerative Medicine
Nieves, Ricardo	Adipose stem cell delivery to enhance peripheral nerve regeneration	Kacey Marra, PhD	Plastic Surgery

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Nohar, Ravendra	Clinical manifestations and outcomes of patients with Burkholderia cenocepacia infection after lung transplantation	Minh Hong Nguyen, MD	Medicine
Nyman, Katherine	A look at factors influencing breast feeding rates at the GAP practice in Oakland	Debra Bogen, MD	Pediatrics
Okafor, Debra	The Implementation of thermoregulation techniques and CPAP on preterm infants: A quality improvement study	Kalyani Vats, MD	Neonatal Medicine
Okeagu, Chikezie	Clinical outcome following revision anterior cruciate ligament reconstruction (ACL-R): comparison of allograft vs autograft	James Irrgang, PhD, PT	Orthopaedic Surgery
Oluwole, Olubusola (CSTP)	Arterial stiffness and Cognitive functioning in Individuals with Sickle Cell Disease	Enrico Novelli, MD, MS	Medicine
Patel, Neeta	Expression and function of LRRN3, a candidate autism spectrum disorder gene	A. Paula Nichols, MD	Neurobiology
Perry, Michelle	GEvaluation of paraspinal intramuscular ropivacaine injection for the treatment of acute headache in children	Robert Hickey, MD	Pediatrics
Pompa, Anthony	Innate immune signaling in the fetal intestine	Misty Good, MD	Pediatrics
Quidgley, Maria	Macrophage polarization in response to inflammatory and neoplastic extracellular matrix	Stephen Badylak, DVM, MD, PhD	Surgery and Regenerative Medicine
Rapakko, Salla	Predictors of baseline stress in women undergoing treatment for infertility	Marie Menke, MD, MPH	Obstetrics and Gynecology
Rashid, Arif	Distinguishing post-radiation fibrosis from tumor recurrence in PET-CT follow-ups of SBRT-treated Non-Small Cell Lung Cancer patients via dose-cloud spatially segmented data analysis	David Clump, MD, PhD	Radiation Oncology

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Rizvi, Afshan	Cost-effectiveness of LMWH for the prevention of pregnancy complications in high risk populations	Margaret Ragni, MD, MPH	Medicine
Rosenbaum, Lucy	Investigating the role of immune evasion in invasive lobular carcinoma	Steffi Oesterreich, PhD	Pharmacology
Ross, Mitchell	A matched pair analysis of multicenter long term follow-up after split liver transplantation	George Mazariegos, MD	Pediatric Transplantation
Roy, Nikita	Parkin-induced mitophagy following mitochondrial depolarization in rat midbrain neurons	Sarah Berman, MD, PhD	Neurology
Sadowsky, David	Impact of CMT-3 on intertwined physiological, biochemical, and inflammatory networks in Porcine Sepsis/ARDS	Yoram Vodovotz, PhD	Pathology
Salomon, Morgan	A histological assessment of the role of subclinical pelvic inflammatory disease in infertility	Harold Wiesenfeld, MD	Obstetrics and Gynecology
Samarendra, Vishnupriya	Protein Phosphatase 1's Role in Schizophrenia	Robert Sweet, MD	Psychiatry
Santizo-Deleon, Elsy	A follow-up study of externalizing psychiatric symptoms and disorders in young adults with Sickle Cell Disease and comparison peers	Robert Noll, PhD	Pediatric Behavioral Medicine
Scanlan, Bethany	Association of nutrition habits with weight loss in an online weight loss trial – results from the OCELOT Study	Margaret Conroy, MD, MPH	Internal Medicine
Scanlon, Matthew	KICG to assess hepatic recovery and dysfunction following orthotopic liver transplantation	Ali Al-Khafaji, MD	Critical Care Medicine
Sears, Sarah	Effects of hypoxia and oxidative stress on trophoblast steroidogenesis	Jacob Larkin, MD	Obstetrics and Gynecology

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Shafir, Adi	Assessing what homebound patients and their primary caregivers consider ideal quality care	Yael Schenker, MD, MAS	Internal Medicine
Suter, Daniel	Neurobiological correlates of PTSD symptom clusters in veterans of OEF/OIF conflicts	Anne Germain, PhD	Psychiatry
Tao, Sunny	Determining differences in metabolic biomarkers in obese women during pregnancy to discriminate risk for preeclampsia	James Roberts, MD	Obstetrics and Gynecology
Teng, Cindy	Integrating the anterior and posterior visual pathways in glaucoma with neuroimaging	Ian Conner, MD, PhD	Ophthalmology
Thomas, Roxanne	Evaluation of health service utilization within a homeless medical home model of care	Adam Gordon, MD, MPH	Internal Medicine
Toocheck, Corey	Effect of the early administration of the Nuclear Factor $\kappa$ B (NF- $\kappa$ B) inhibitory peptide NBD on Serotype 9 Adeno-Associated Viral (AAV9) minidystrophin gene transfer to the mdx mouse model	Paula Clemons, MD	Neurology
Villanueva, Hugo	Endometrium characteristics in morbidly obese bariatric surgery candidates	Faina Linkov, PhD, MPH	Obstetrics and Gynecology
Vu, Nicholas	Role of escitalopram in patients with late-Life depression using fMRI	Howard Aizenstein, MD, PhD	Psychiatry
Wang, Kayllie	Incidence of postoperative bleeding in pediatric patients with mild bleeding disorders	Peter Shaw, MD	Pediatric Hematology and Oncology
Wang, Steven	Retrospective study examining outcomes of trabectome vs tube shunt in the treatment of glaucoma	Nils Loewen, MD, PhD	Ophthalmology
Wang, Yanting	Role of Heme-oxygenase in mice model of traumatic shock.	Brian Zuckerbraun, MD	Surgery

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Wasserman, Deena	Recreating the niche: Examining the role of non-epithelial cell support of intestinal stem cell growth in the generation of artificial intestine	David Hackam, MD, PhD	Pediatric Surgery
Wayne, Max	Remote ischemic conditioning for ST elevation myocardial infarction patients transferred for primary percutaneous coronary intervention	Francis Guyette, MD, MS, MPH	Emergency Medicine
Welborn, Seth	The role of the thoracic surgeon in image-guided interventions	Matthew Schuchert, MD	Cardiothoracic Surgery
White, Allana	Recurrence and Cosmesis in Nipple Sparing Mastectomy Compared to Breast Conserving Surgery and Total Mastectomy	Priscilla McAuliffe, MD, PhD	Radiology
White, Whitney	Intimate partner violence among teenage mothers	Jeannette South-Paul, MD	Family Medicine
Whitney, Janelle	Responding to relationship abuse and unintended pregnancy among adolescent females in foster care	Elizabeth Miller, MD, PhD	Adolescent Medicine
Woo, Jean	Effects of mindfulness meditation in chronic pain and mental health in the older adult	Natalia Morone, MD	Internal Medicine
Xie, Maylene	TLR2 activation and platelet function in angiogenesis and muscle regeneration post-ischemia	Ulka Sachdev, MD	Vascular Surgery
Xu, Karen Mann	Dosimetric predictors of duodenal toxicity in gynecological cancer treated with intensity-modulated radiation therapy to paraaortic lymph nodes	Sushil Beriwal, MD	Radiation Oncology
Yi, Jinny	Evaluating a new questionnaire to screen for paradoxical vocal fold movement disorder	Fernando Holguin, MD, MPH	Pulmonology

## SCHOLARLY PROJECTS 2016

<b>STUDENT</b>	<b>PROJECT TITLE</b>	<b>MENTOR</b>	<b>AFFILIATION</b>
Zaker Shahrek, Babak	A sensorimotor microelectrode brain-machine interface for allowing sensory feedback in neuroprosthetics	Elizabeth Tyler-Kabara, MD, PhD	Neurosurgery
Zhang, Dongning (PSTP)	Acute Somatosensory Recording in Rhesus Macaque Dorsal Root Ganglion	Douglas Weber	Bioengineering
Zhang, Xiaoran (CSTP)	IDH Mutant Gliomas Escape Natural Killer Cell Immune Surveillance by Downregulation of NKG2D Ligand Expression	Nduka Amankolor, MD	Neurosurgery
Zolin, Samuel	Characterization of the effects of the early sex-hormone environment following injury	Jason Sperry, MD	Surgery
Zou, Richard	Outcomes of foot and ankle surgery in diabetic patients who have undergone solid organ transplantation	Dane Wukich, MD	Orthopaedic Surgery

# SCHOLARLY PROJECT O'MALLEY AWARDEES

## **The Bert and Sally O'Malley Awards for Outstanding Medical Student Research**

Bert and Sally O'Malley awards were given for outstanding Scholarly Projects in each of the following categories:

A basic science project carried out by a student during the traditional 4 years of medical school;

A clinical science project carried out by a student during the traditional 4 years of medical school;

A basic science project carried out by a student who has taken a year off for research and completed medical school in 5 years;

A clinical science project carried out by a student who has taken a year off for research and completed medical school in 5 years.

### **4 Year Basic Science Research winner**

**Mr. Brian Ahn**

**Mentor:** Hideho Okada, PhD; Neurosurgery

**Project:** HDC expression and histamine in the development of malignant glioma

### **4 Year Clinical Science Research winner**

**Mr. Eric Etchill**

**Mentor:** Matthew Neal, MD; Surgery

**Project:** Massive transfusion practices in the non-trauma setting

### **5 Year Basic Science Research winner**

**Ms. Bhavana S. Vangara Chapman**

**Mentors:** Jennifer Grandis, MD and Saleem Khan, PhD; Ophthalmology

**Project:** MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer

### **5 Year Clinical Science Research winner**

**Ms. Olubusola Oluwole**

**Mentor:** Enrico Novelli, MD; Medicine

**Project:** Arterial stiffness and cognitive functioning in individuals with Sickle Cell Disease



# SCHOLARLY PROJECT CERTIFICATE OF MERIT AWARDEES

**Ms. Lorraine Boakye**

**Mentor:** John Kennedy, MD; Orthopaedic Surgery

**Project:** Differences in TGF-Betal expression in platelet-rich treated vs. saline treated autologous osteochondral transplants: An in vivo rabbit model

**Ms. Julie Boiko**

**Mentor:** Paul Szabolcs, MD; Pediatrics

**Project:** Regulatory T cells and graft-versus-host disease after allogeneic hematopoietic cell transplantation

**Mr. Michael Burrow**

**Mentor:** James Funderburgh, MD; Ophthalmology

**Project:** Mechanisms of stromal remodeling by corneal stromal stem cells

**Ms. Anjani Chitrapu**

**Mentor:** David Volk, MD, PhD; Psychiatry and Neurosurgery

**Project:** Interaction between Lhx6 deficits and maternal immune activation on cortical parvalbumin and somatostatin neuron development

**Ms. Erin Cummings**

**Mentor:** Gary Silverman, MD; Pediatrics

**Project:** Deficient and null variants of SERPINA1 are proteotoxic in a Caenorhabditis elegans model of a 1-antitrypsin deficiency

**Ms. Rachel Frank**

**Mentor:** Clifton Callaway, MD, PhD; Emergency Medicine

**Project:** Estimation of body weight and effect of weight on defibrillation effectiveness in out of hospital cardiac arrest

**Mr. Alexander Khalaf**

**Mentor:** Howard Aizenstein, MD; Psychiatry

**Project:** Altered functional magnetic resonance imaging markers of affective processing during treatment of late life depression

**Mr. Andy Lee**

**Mentor:** Changfeng Tai, PhD; Urology

**Project:** Neurotransmitter receptors involved in bladder neuromodulation

**Mr. Mitchell Ross**

**Mentor:** George Mazariegos, MD; Pediatric Transplantation

**Project:** A matched pair analysis of multicenter long term follow-up after split liver transplantation

**Mr. David Sadowsky**

**Mentor:** Yoram Vodovotz, MD; Pathology

**Project:** Impact of CMT-3 on intertwined physiological, biochemical and inflammatory networks in Porcine Sepsis/ARDS

**Mr. Sam Zolin**

**Mentor:** Jason Sperry, MD; Surgery

**Project:** Characterization of the effects of the early sex-hormone environment following injury

## SCHOLARLY PROJECT FACULTY MENTOR AWARDS

Mentor awards are based on nominations from graduating students.

### **Philip Troen, MD, Excellence in Medical Student Research Mentoring Award**

**Misty Good, MD;** Assistant Professor, Division of Newborn Medicine

**Matthew Neal, MD;** Assistant Professor, Department of Surgery

**Richard Steinman, MD, PhD;** Associate Professor of Medicine & Pharmacology

**Yoram Vodovotz, PhD;** Professor of Surgery

### **Medical Student Research Mentoring Merit Award**

**Abbe de Vallejo, PhD;** Associate Professor of Pediatric Rheumatology & Immunology

**Robert Hickey, MD;** Associate Professor of Pediatric Emergency Medicine

**Greg Homanics, PhD;** Professor of Anesthesiology

**James Irrgang, PhD, PT, ATC, FAPTA;** Professor and Director of Clinical Research in  
Orthopaedic Surgery

**Christian Martin-Gill, MD;** Assistant Professor of Emergency Medicine

**Edward Prochownik, MD, PhD;** Professor of Molecular Genetics & Biochemistry

**Margaret Ragni, MD, MPH;** Professor of Medicine & Clinical Translational Sciences

**Jose Van London, MD;** Director, UPMC Cancer LiveWell Survivorship Programs

## STUDENT ACCOMPLISHMENTS

The following lists of publications, manuscripts in submission, and national, state and local awards were compiled from the Scholarly Project Final Reports submitted in February 2016. 121 students participated in the Scholarly Project course.

Number of publications = 145

Number of manuscripts submitted = 41

Number of national or state awards = 45

Number of local awards = 88

In addition:

- Students in the class of 2016 were authors on 257 presentations at national and international meetings.
- 106 students participated in research during the summer between their 1<sup>st</sup> and 2<sup>nd</sup> years of medical school (2013). These students received competitive funds from the Dean of the School of Medicine, Children's Hospital, the Departments of Pathology and Psychiatry and NIH T35 grants to individual UPSOM research groups.

## PUBLICATIONS

### **Ahn, Brian**

**Ahn BJ**, Kohanbash G, Ohkuri T, Kosaka A, Chen X, Ikeura M, Wang TC, Okada H. Histamine Deficiency Promotes Accumulation of Immunosuppressive Immature Myeloid Cells and Growth of Murine Gliomas. *Oncoimmunology*. 2015 May;4(11):e1047581. [PMID:26451324]

**Ahn BJ**, Pollack IF, Okada H. Immune-checkpoint Blockade and Active Immunotherapy for Glioma. *Cancers*. 2013 Nov; 5(4): 1379-412. [PMID:24202450]

Okada H, Butterfield LH, Hamilton RL, Hoji A, Sakaki M, **Ahn BJ**, Kohanbash G, Drappatz J, Engh J, Amankulor N, Lively MO, Chan MD, Salazar AM, Shaw EG, Potter DM, Lieberman FS. Induction of Robust Type-1 CD8+ T-Cell Response in WHO Grade II Low-grade Glioma Patient Receiving Peptide-based Vaccines in Combination With Poly-ICLC. *Clinical Cancer Research*. 2015 Jan;21(2):286-94. [PMID:25424847]

Crane CA, Han SJ, **Ahn BJ**, Oehlke J, Kivett V, Federoff A, Butowski N, Chang SM, Clark J, Berger MS, McDermott MW, Prados MD, Parsa AT. Individual Patient-specific Immunity Against High-grade Glioma After Vaccination With Autologous Tumor Derived Peptides Pbound to 96kd Chaperone Protein. *Clinical Cancer Research*. 2013 Jan; 19(1):205-14. [PMID:22872572]

Crane CA, **Ahn BJ**, Han SJ, Parsa AT. Soluble Factors Secreted by Glioblastoma Cell Lines Facilitate Recruitment, Survival, and Expansion of Regulatory T Cells: Implications for Immunotherapy. *Neuro-Oncology*. 2012 May; 14(5):584-95. [PMID:22406925]

### **Au, Jeremiah**

Kalash R, Berhane H, **Au J**, Rhieu BH, Epperly MW, Goff J, Dixon T, Wang H, Zhang X, Franicola D, Shinde A, Greenberger JS. Differences in irradiated lung gene transcription between fibrosis-prone C57BL/6NHsd and fibrosis-resistant C3H/HeNHsd mice. *In Vivo*. 2014, Mar; 28(2): 147-71. PMID: 24632969

Kalash R, Epperly MW, Goff J, Dixon T, Sprachman MM, Zhang X, Shields D, Cao S, Franicola D, Wipf P, Berhane H, Wang H, **Au J**, Greenberger JS. Amelioration of radiation-induced pulmonary fibrosis by a water-soluble bifunctional sulfoxide radiation mitigator(MMS350). *Radiation Research*. 2013, Nov; 180(5): 474-90. PMID: 24125487

Sadeghpour M, **Au J**, Ho J, Patton T. Patient Positioning and Skin Sequelae: A Case of Ischemic Epidermal Necrosis During a Bypass Surgery. *Anesthesia and Analgesia*. 2015, Aug PMID: 26934606

Taylor D, **Au J**, Aronson I. A novel modality using microwave technology for the treatment of Fox-Fordyce disease. *Journal of the American Academy of Dermatology*. 2015, Aug

**Au J**, Tsoukas M. Book chapter: *Electrosurgery* Book Title: Hyperpigmentation Editors: D. Rigopoulos D, A.C. Katoulis Country: United Kingdom City: Abingdon

### **Black, John**

DeLong RK, Cillessen L, Reynolds C, Wanekaya A, Severs T, Ghosh K, Fisher M, Barber S, **Black J**, Schaeffer A, & Flores K. Biomolecular Triconjugates Formed Between Gold, Protamine, and Nucleic Acid: Comparative Characterization on the Nanoscale. *Journal of Nanotechnology*, volume 2012. Article ID 954601  
<<http://dx.doi.org/10.1155/2012/954601>>

Pacella, JJ, Brands J, Schnatz FG, **Black JJ**, Chen X, & Villanueva, FS. Treatment of Microvascular Micro-embolization Using Microbubbles and Long-tone-burst Ultrasound: An In Vivo Study. *Ultrasound Med Biol*. 2015, 41(2), 456-464 PMID: 25542487

## PUBLICATIONS

Sen M, Pollock, NI, **Black J**, DeGrave KA, Wheeler S, Freilino, ML, Grandis JR. JAK Kinase Inhibition Abrogates STAT3 Activation and Head and Neck Squamous Cell Carcinoma Tumor Growth. *Neoplasia*, 2015, 17(3), 256-264 PMID: 25810010

Helfield B, **Black JJ**, Qin B, Pacella JJ, Chen X, & Villanueva FS. Fluid Viscosity Affects the Fragmentation and Inertial Cavitation Threshold of Lipid Encapsulated Microbubbles. *Ultrasound Med Biol*. 2016, 42(3), 782-794 PMID: 26674676

### **Boakye, Lorraine**

**Boakye LA** & Pinski JM, Ross KA, Hannon C, Murawski CD, Smyth NA, Ma Y, Kennedy JG. Low Level-of-Evidence and Methodological Quality of Clinical Outcome Studies on Cartilage Repair of the Ankle. Accepted June 1, 2015 by Arthroscopy: *The Journal of Arthroscopic and Related Surgery* PMID: 26372522

**Boakye LA**, Ross KA, Pinski JM, Smyth NA, Haleem AM, Hannon CP, Kennedy JG. Platelet-Rich Plasma Increases TGF- $\beta$ 1 Expression at Graft-Host Interface Following AOT in a Rabbit Model. Accepted June 24, 2015 by *World Journal of Orthopaedics* PMID: 26716092

### **Boiko, Julie**

**Boiko JR**, Srinath AI, Cooper JD. Portomesenteric Venous Thrombosis in Previously Healthy Adolescents Presenting with Subacute Abdominal Pain. *Clinical Pediatrics*. 2015 Nov 18 PMID: 26581354

Park KS, Bayles I, Szlachta-McGinn A, Paul J, **Boiko J**, Santos P, Liu J, Wang Z, Borghesi L, Milcarek C. Transcription Elongation Factor ELL2 Drives Ig Secretory-Specific mRNA Production and the Unfolded Protein Response. *J Immunol*. 2014;193(9):4663-74 PMID: 25238757

**Boiko JR**, Borghesi L. Hematopoiesis Sculpted by Pathogens: Toll-like Receptors and Inflammatory Mediators Directly Activate Stem Cells. *Cytokine*. 2012;57(1):1-8 PMID: 22079335

### **Burrow, Michael**

S. Basu, A. J. Hertsensberg, M. L. Funderburgh, **M. K. Burrow**, M. M. Mann, Y. Du, K. L. Lathrop, F. N. Syed-Picard, S. M. Adams, D. E. Birk, J. L. Funderburgh. Human Limbal Biopsy-derived Stromal Stem Cells Prevent Corneal Scarring. *Sci. Transl. Med.* 6, 266ra172 (2014). PubMed PMID: 25504883

Boote C, DU Y, Morgan SR, Harris J, Kamma-Lorger CS, Hayes S, Lathrop KL, Roh DS, **Burrow MK**, Hiller J, Terrill NJ, Funderburgh JL, Meek KM. Quantitative Assessment of Ultrastructure and Light Scatter in Mouse Corneal Debridement Wounds. *Invest Ophthalmol Vis Sci*. 2012 May; 53(6):2786-2795. PubMed PMID:22467580

Jaber R, Werner L, Fuller S, Kavoussi SC, McIntyre S, **Burrow M**, Mamalis N. Comparison of Capsulorhexis Resistance to Tearing With and Without Trypan Blue Dye Using a Mechanized Tensile Strength Model. *J Cataract Refract Surg*. 2012 Mar; 38 (3) :507-12. PubMed PMID:22340608

Werner L, Zaugg B, Neuhann T, **Burrow M**, Tetz M. In-the-bag Capsular Tension Ring and Intraocular Lens Subluxation or Dislocation: A Series of 23 Cases. *Ophthalmology*. 2012 Feb; 119 (2) :266-71. PubMed PMID:22154537

Kavoussi SC, Werner L, Fuller SR, Hill M, **Burrow MK**, McIntyre JS, Mamalis N. Prevention of Capsular Bag Opacification With a New Hydrophilic Acrylic Disk-shaped Intraocular Lens. *J Cataract Refract Surg*. 2011 Dec; 37 (12):2194-200. PubMed PMID:22108114

## PUBLICATIONS

### **Chapman, Bhavana**

**Chapman, B.V.**, Wald, A.I., Akhtar, P., Munko, A.C., Xu, J., Gibson, S.P., Grandis, J.R., Ferris, R.L., Khan, S.A. MicroRNA-363 Targets Myosin 1B to Reduce Cellular Migration in Head and Neck Cancer. *BMC cancer*. 2015;15:861. doi: 10.1186/s12885-015-1888-3. PubMed PMID:26545583; PMCID: PMC4635687

**Chapman, B.V.**, Rajagopalan, M.S., Heron, D.E., Flickinger, J.C., Beriwal, S. Clinical Pathways: A Catalyst for the Adoption of Hypofractionation for Early-Stage Breast Cancer. *International Journal of Radiation Oncology, Biology, Physics*. 2015;93(4):854-61. doi:10.1016/j.ijrobp.2015.08.013. PubMed PMID: 26530754

Gill, B.S., **Chapman, B.V.**, Hansen, K.J., Sukumvanich, P., Beriwal, S. Primary Radiotherapy for Nonsurgically Managed Stage I Endometrial Cancer: Utilization and impact of Brachytherapy. *Brachytherapy*. 2015;14(3):373-9. doi: 10.1016/j.brachy.2014.12.003. PubMed PMID: 2560045

**Vangara, B.S.** and Grandis, J.R. (2014) Jak-STAT Signaling in HNC. In Burtness, B. and Golemis, E.A. (Eds.), *Molecular Determinants of Head and Neck Cancer* (pp.163-179). New York: Springer

Lui, V.W., Hedberg, M.L., Li, H., **Vangara, B.S.**, Pendleton, K., Zeng, Y., Lu, Y., Zhang, Q., Du, Y., Gilbert, B.R., Freilino, M., Sauerwein, S., Peyser, N.D., Xiao, D., Diergaarde, B., Wang, L., Chiosea, S., Seethala, R., Johnson, J.T., Kim, S., Duvvuri, U., Ferris, R.L., Romkes, M., Nukui, T., Kwok-Shing Ng, P., Garraway, L.A., Hammerman, P.S., Mills, G.B., Grandis, J.R. Frequent Mutation of the PI3K Pathway in Head and Neck Cancer Defines Predictive Biomarkers. *Cancer Discovery*. 2013;3(7):761-9. doi: 10.1158/2159-8290.CD-13-0103. PubMed PMID: 23619167; PMCID: PMC3710532

### **Cheng, Carol**

Kennard, B.D., Biernesser, C., Wolfe, K.L., Foxwell, A.A., Lee, S.J.C., Rial, K.V, Patel, S., **Cheng, C.**, Goldstein, T., McMakin, D., Blastos, B., Douaihy, A., Zelazny, J & Brent, D.A. (in press). Developing a Brief Suicide Prevention Intervention and Mobile Phone Application: A Qualitative Report. *Journal of Technology in Human Services* <http://www.tandfonline.com/doi/abs/10.1080/15228835.2015.1106384?journalCode=wths20>

### **Chitrapu, Anjani**

Volk DW, **Chitrapu A**, Edelson JR, Roman KM, Moroco AE, Lewis DA. Molecular Mechanisms and Timing of Cortical Immune Activation in Schizophrenia. *American Journal of Psychiatry*. 2015 172(11):1112-21 PMID: 26133963

Volk DW, **Chitrapu A**, Edelson JR, Lewis DA. Chemokine Receptors and Cortical Interneuron Dysfunction in Schizophrenia. *Schizophrenia Research*. 2015. 167(1-3):12-17 PMID: 25464914

### **Choi, Philip**

**Choi PA**, Niranjana A, Lunsford LD, Monaco EA. Leukoencephalopathy After Whole Brain Radiation Therapy Plus Radiosurgery Versus Radiosurgery Alone For Metastatic Melanoma to the Brain. *Journal of Nuclear Medicine & Radiation Therapy*. In press

Grandhi R, Zhang X, Panczykowski D, **Choi P**, Hunnicutt CT, Jadhav AP, Ducruet AF, Jovin T, Jankowitz B. Incidence of Delayed Angiographic Femoral Artery Complications Using the EXOSEAL Vascular Closure Device. *Interventional Neuroradiology*. In press. PMID 26015532

Foster KA, **Choi PA**, Deibert C, Gardner PA, Engh JA, Tyler-Kabara EC. Endoscopic Third Ventriculostomy as Adjunct in the Treatment of Low Pressure Hydrocephalus in the Adult Population. *Surgical Neurology International*. In press

## PUBLICATIONS

Kim JH, Kim S, Albergotti WG, **Choi PA**, Kaplan DJ, Abberbock S, Johnson JT, Gildener-Leapman N. Selecting Ideal Candidates for Surgical Salvage of Head and Neck Squamous Cell Carcinoma – Impact of Charlson Age-Comorbidity Index and Oncologic Characteristics on One-year Survival and Hospital Course. *JAMA Otolaryngology*. In press. PMID 26447790

Kooshkabadi A, **Choi PA**, Koutourousiou M, Snyderman CH, Wang E, Fernandez-Miranda JC, Gardner PA. Atlantooccipital Instability Following Endoscopic Endonasal Approach for Lower Clival Lesions – Experience of 212 Cases. *Neurosurgery*. In press. PMID 26237341

Kooshkabadi A, Jankowitz BT, **Choi PA**, Greene S. Thrombosis and Spontaneous Recanalization of Giant Intracranial Aneurysm: Diagnostic and Management Pearls in a Pediatric Patient. *Journal of Neurosurgery: Pediatrics*. 2015;15(1):78-81 PMID: 25380175

Stokes TB, Niranjana A, Kano H, **Choi PA**, Kondziolka D, Lunsford LD, Monaco EA. White Matter Changes in Breast Cancer Brain Metastases Patients Who Undergo Radiosurgery Alone Compared to Whole Brain Radiation Therapy Plus Radiosurgery. *Journal of Neurooncology*. 2015;121(3):583-590 PMID: 25445836

Gellad WF, **Choi P**, Mizah M, Good CB, Kesselheim AS. Assessing the Chiral Switch: Approval and Use of Single Enantiomer Drugs, 2001-2011. *The American Journal of Managed Care*. 2014; 20(3):e90-e97 PMID: 24773330

**Choi PA**, Xu S, Ayanian JZ. Primary Care Careers Among Recent Graduates of Research-intensive Private and Public Medical Schools. *Journal of General Internal Medicine*. 2013; 28(6):787-792 PMID: 23225257

**Choi PA**, Gellad WF. Prescription Drug and Pharmaceutical Policy. *An Introduction to Health Policy*. Editors Manish K. Sethi and William H. Frist. New York: Springer, 2013. 101-118

### **Cummings, Erin**

**Cummings EE.**, O'Reilly LP., King DE., Silverman RM., Miedel MT., Luke CJ., Perlmutter DH., Silverman GA., Pak SC. Deficient and Null Variants of SERPINA1 are Proteotoxic in a Caenorhabditis Elegans Model of Alpha-1 Antitrypsin deficiency. *PLoS One*. 2015 Oct 29; 10(10): e0141542 PMID: 26512890

Benson JA., **Cummings EE.**, O'Reilly LP., Lee MH., Pak SC. A High-content Assay for Identifying Small Molecules that Reprogram C. Elegans Germ Cell Fate. *Methods*, 2014 Aug 1:68(3); 529-35 PMID: 24990146

O'Reilly LP., Benson JA., **Cummings EE.**, Perlmutter DH., Silverman GA., Pak SC. Worming Our Way to Novel Drug Discovery with the Caenorhabditis Elegans Proteostasis Network, Stress Response and Insulin-signaling Pathways. *Expert Opin Drug Discovery*, 2014 Sept 9(9): 1021-32 PMID: 24998976

Silverman RM., **Cummings EE.**, O'Reilly LP., Miedel MT., Silverman GA., Luke CJ., Perlmutter DH., Pak SC. The Aggregation-Prone Intracellular Serpin SRP-2 Fails to Transit the ER in Caenorhabditis Elegans. *Genetics*. 2015 May 200(1); 207-219 PMID: 25786854

### **D'Angelo, Alex**

**D'Angelo A**, Bhamra J, Crespo M, Pilewski J, Shigemura N, Bermudez C, Luketich J, and D'Cunha J. Bronchopleural Fistula Sfter Bilateral Sequential Lobar Lung Transplantation: Technical Details of a Successful Repair. *J Thorac Cardiovasc Surg*, 2015, 149 (4): e67-68 PMID: 25619804

## PUBLICATIONS

### **Dhaliwal, Amardeep**

Zhang Z., **Dhaliwal A.S.**, Tseng H., Kim J.D., Schuman J.S., Weinreb R.N., Loewen N.A. Outflow Tract Ablation Using a Conditionally Cytotoxic Feline Immunodeficiency Viral Vector. *Investigative Ophthalmology & Visual Science*. 2014 Feb; 55(2):935-40 PMID: 24448264

### **Dombrowski, Malcolm**

**Dombrowski M.**, Costello J, Ohashi B, Murawski C, Friel N, Arilla F, Rothrauff B, Fu F, Musahl V. Macroscopic Anatomic, Histologic, and Magnetic Resonance Imaging Correlation of the Lateral Capsule of the Knee. *KSTTA PMID: 25649729*

**Dombrowski M.**, Murawski C, Salzler M, Hofbauer M, Fu FH. Anatomic Double Bundle ACL Reconstruction, Current Progress in Orthopedics. *Kyron Publishing Services*. Mahastra, India

### **Etchill, Eric**

Mcdaniel LM, **Etchill EW**, Raval JS, Neal MD. State of the Art: Massive Transfusion. *Transfus Med*. 2014;24(3):138-44 PMID: 24889805

Kesinger, M.R., Nagy, L., Rubiano, A.M., Puyana, J.C., **Etchill, E.W.** Trauma Registries in Low and Middle Income Countries: Working with What We Already Have. *Annals of Global Health*. 2014, Jun; 80(3): 188 DOI: 10.1016/j.aogh.2014.08.098

Wolf, J.M., Scher, D.L., **Etchill, E.W.**, Scott, F., Williams, A.E., Delaronde, S., King, K.B. Relationship of Relaxin Hormone and Thumb Carpometacarpal Joint Arthritis. *Clinical Orthopaedics and Related Research*. 2014, Apr; 72(4): 1130-7 PMID: 23559157

### **Ettyreddy, Abhinav**

Li, J., Srivastava, R.M., **Ettyreddy, A.**, & Ferris, R.L. Cetuximab Ameliorates Suppressive Phenotypes of Myeloid Antigen Presenting Cells in Head and Neck Cancer Patients. *Journal for ImmunoTherapy of Cancer*, Nov. 2015, 3(54) PMID: 26579227

**Ettyreddy, A.R.**, Georg, M.W., Chi, D., Gaines, B.A., & Simons, J.P. Button Battery Injuries in the Pediatric Aerodigestive tract. *ENT Journal*, December 2015, 94(12): 486-493 PMID: 26670755

### **Farrell, Daniel**

Finegersh, A., Ferguson, C., Maxwell, S., Mazariegos, D., **Farrell, D.**, Homanics, G.E. Repeated Vapor Ethanol Exposure Induces Transient Histone Modifications in the Brain That Are Modified By Genotype and Brain Region. *Frontiers in Molecular Neuroscience*. 2015, Aug; 8(39): 1-11 PMID: 26300722

### **Frank, Rachel**

Frisch A., Suffoletto B.P., **Frank R.C.**, Martin-Gill C., Menegazzi J.J. Potential Utility of Near Infrared Spectroscopy in Out-of-hospital Cardiac Arrest: An Illustrative Case Series. *Prehospital Emergency Care*. 2012, 16(4): 564-570 PMID: 22823984

### **Han, Katrina**

Minimally Invasive Resection of Colorectal Cancer Liver Metastases Leads to an Earlier Initiation of Chemotherapy Compared to Open Surgery., Tohme S, Goswami J, **Han K**, Chidi AP, Geller DA, Reddy S, Gleisner A, Tsung A. *Journal of Gastrointestinal Surgery*. 2015 Dec;19(12):2199-206 PMID: 26438480

Dong, Z., Chidi, A., Goswami, J., **Han, K.**, Simmons, R., Rosengart, M., Tsung, A. Prior Inpatient Admission Increases the Risk of Post-operative Infection in Hepatobiliary and Pancreatic Surgery. *HPB (Oxford)*. 2015 Dec;17(12):1105-12 PMID: 26333471



## PUBLICATIONS

Sukato, D.C., Tohme, S., Chalhoub, D., **Han, K.**, Zajko, A., Amesur, N., Orons, P., Marsh, J.W., Geller, D.A., Tsung, A. The Prognostic Role of Neutrophil-to-Lymphocyte Ratio in Patients with Unresectable Hepatocellular Carcinoma Treated with Radioembolization. *Journal of Vascular and Interventional Radiology*. The Prognostic Role of Neutrophil-to-Lymphocyte Ratio in Patients with Unresectable Hepatocellular Carcinoma Treated with Radioembolization. 2015, *J Vasc Interv Radiol Jun*; 26(6): 816-824 PMID: 25824315

### **Heft-Neal, Molly**

Rowan, NR; Zwagerman, NT; **Heft Neal, ME**; Gardner, PA; Snyderman, CH. Nasal Angiofibromas: A Comparison of Modern Staging Systems in an Endoscopic Era. *J Neurol Surg B Skull Base* - (Accepted with revisions)

### **Holt, Douglas**

**Holt DE**, Gill BS, Clump DA, Leeman JE, Burton SA, Engh JA, Amankulor NM, Heron DE (2015). Tumor Bed Radiosurgery Following Resection and Prior Stereotactic Radiosurgery For Locally-persistent Brain Metastasis. *Frontiers in Oncology*. 2015;5 PMID: 25905042

Shinde A, Epperly MW, Cao S, **Holt DE**, Goff J, Shields D, Franicola D, Wipf P, Wang H, Greenberger JS. (2014). Improved Hematopoiesis in GS-nitroxide (JP4-039)-treated Mouse Long-term Bone Marrow Cultures and Radioresistance of Derived Bone Marrow Stromal Cell Lines. *In Vivo* 28(5): 699-708 PMID: 25189880

### **Hu, Jennifer**

Larsen, M. B., **Hu, J.**, Frizzell, R. A., & Watkins, S. C. Simple Image-based No-wash Method for Quantitative Detection of Surface Expressed CFTR. *Methods*. 2015. doi: 10.1016/j.ymeth.2015.09.006 PMID: 26361332

Suffoletto, B., **Hu, J.**, Guyette, M. and Callaway, C. Factors Contributing to Emergency Department Care Within 30 Days of Hospital Discharge and Potential Ways to Prevent It: Differences in Perspectives of Patients, Caregivers, and Emergency Physicians. *Journal of Hospital Medicine*. 2014, Feb; 9(5): 315-319 PMID: 24497467

### **Jean, Katie**

Feghali M, **Jean KM**, Emery SP. Ultrasound Assessment of Congenital Fetal Lung Masses and Neonatal Respiratory Outcomes. *Prenat Diagn*. 2015 Dec;35(12):1208-12 PMID: 26277878

### **Kang, Audry**

Edmunds LR, Sharma L, **Kang A**, Lu J, Vockley J, Basu S, Uppala R, Goetzman ES, Beck ME, Scott D, Prochowik EV. C-Myc Programs Fatty Acid Metabolism and Dictates Acetyl CoA Abundance and Fate. *J Biol Chem*. 2014. 289(36):25382-92 PMID: 25053415

Edmunds LR, Sharma L, Wang H, **Kang A**, d'Souza S, Lu J, McLaughlin M, Dolezal JM, Gao X, Weintraub ST, Ding Y, Zeng X, Yates N, Prochowik EV. C-Myc and AMPK Control Cellular Energy Levels by Cooperatively Regulating Mitochondrial Structure and Function. *PLOS ONE*. 2015. 10(7) PMID: 26230505

Zhang Z, Slater RC, Ferroni MC, Kadow B, Lyon T, Shen B, Zhiying X, Wang J, **Kang A**, Roppolo JR, de Groat WC, Tai C. Role of  $\mu$ ,  $\kappa$ , and  $\delta$  Opioid Receptors in Tibial Inhibition of Bladder Overactivity in Cats. *J Pharmacol Exp Ther*. 2015. 355(2):228-34 PMID: 26354994

Zhang Z, Lyon TD, Kadow B, Shen B, Wang, J, Lee, A, **Kang A**, Roppolo, JR, deGroat WC, Tai, C. Conduction Block of Mammalian Myelinated Nerve by Local Cooling Room Temperature 15-30°C after a Brief Heating. *J Neurophysiol*. 2016 PMID: 26740534

## PUBLICATIONS

Brandom BW, **Kang A**, Sivak EL, Young MC. Update on Dantrolene in the Treatment of Anesthetic Induced Malignant Hyperthermia. *SOJ Anesthesiol Pain Manag*, 2015. 2(2):1-6 <http://www.symbiosisonlinepublishing.com/anesthesiology-painmanagement/anesthesiology-painmanagement21.pdf>

Correa AF, **Kang A**, Lyon TD, Maranchie, JD. CT Loop-o-gram: A Novel Technique for Upper Tract Evaluation following Radical Cystectomy. *Clinical Genitourinary Cancer*. Accepted for publication on Feb 16, 2016.

### **Khalaf, Alexander**

Patel, M.J., **Khalaf, A.**, Aizenstein, H. Studying Depression Using Machine Learning Methods. *NeuroImage: Clinical*. 2015, 10: 115-123 PMID: 26759786

**Khalaf, A.**, Edelman, K., Tudorascu, D., Andreescu, C., Reynolds, C.F., Aizenstein, H. White Matter Hyperintensity Accumulation During Treatment of Late Life Depression. *Neuropsychopharmacology*. 2015, 40: 3027-3035 PMID: 26058663

**Khalaf, A.**, Heller, M. Extra-skeletal Osteosarcoma Presenting as a Peri-ampullary Mass. *Journal of Gastrointestinal Cancer*. 2014, 45: 103-105 PMID: 23479098

Aizenstein, H., **Khalaf, A.**, Walker, S., Andreescu, C. MRI Predictors of Treatment Response in Late-Life Depression. *Journal of Geriatric Psychiatry and Neurology*. 2014, 27: 24-32 PMID: 24381231

**Khalaf, A.**, Donel, T., Sameh, T., Shobhit, M. Right-and Left-Ventricular Strain Evaluation in Repaired Pediatric Tetralogy of Fallot Patients Using Magnetic Resonance Tagging. *Pediatric Cardiology*. 2013, 34: 1206-211 PMID: 23370639

### **Kim, James**

Zhang Z, Dhaliwal AS, Tseng H, **Kim JD**, Schuman JS, Weinreb RN, Loewen NA. Outflow Tract Ablation Using a Conditionally Cytotoxic Feline Immunodeficiency Viral Vector. *Invest Ophthalmol Vis Sci*. 2014;55(2):935-40 PMID: 24448264

### **Kim, Jee-Hong Peter**

**Kim J**, Kim S, Albergotti WG, Choi PA, Kaplan DJ, Abberbock S, Johnson JT, Gildener-Leapman N/ Kim J. Selecting Ideal Candidates for Surgical Salvage of Head and Neck Squamous Cell Carcinoma – Impact of Charlson Age-Comorbidity Index and Oncologic Characteristics on One-Year Survival and Hospital Course. *JAMA Otolaryngol Head Neck Surg*. 2015 Dec 1;141(12):1059-65 PMID: 26447790

Kaplan DJ, **Kim J**, Wang EW, Snyderman CH. Prognostic Indicators for Salvage Surgery of Recurrent Sinonasal Malignancy. *Otolaryngol Head Neck Surg*. 2016 Jan;154(1):104-12 PMID: 26424747

Liu MM, **Kim J**, Jabbour N. Teaching Furlow Palatoplasty: The Sticky Note Method. *International Journal of Pediatric Otorhinolaryngology*. 2014, Nov; 78(11): 1849-1851 PMID: 25190620

Choby GW, **Kim J**, Ling DC, Abberbock S, Mandal R, Kim S, Ferris RL, Duvvuri U. Transoral Robotic Surgery Alone for Pharyngeal Cancer: Quality-of-life Outcomes. *JAMA Otolaryngol Head Neck Surg*. 2015, Jun; 141(6): 499-504 PMID: 25834991

Epperly MW, Chaillet JR, Kalash R, Shaffer B, Goff J, Franicola D, Zhang X, Dixon T, Houghton F, Wang H, Berhane H, Romero C, **Kim JH**, Greenberger JS. Conditional Radioresistance of Tet-inducible Manganese Superoxide Dismutase Bone Marrow Stromal Cell Lines. *Radiation Research*. 2013, Aug; 180(2): 189-204 PMID: 23862693

## PUBLICATIONS

Gildener-Leapman N, Kim J, Abberbock S, Choby GW, Mandal R, Duvvuri U, Ferris RL, **Kim S**. The Utility of Upright Transoral Robotic Surgery in Tailoring Adjuvant Therapy. *Head & Neck*. 2015, Sep; Pub Status: In-press

### **Keerthy, Divya**

**Keerthy, Divya** & Szigethy, Eva MD PHD. Considerations in Diagnosing and Treating Pain in Patients with Inflammatory Bowel Disease. *The Pain Practitioner*. 2015, Apr; 25(1): 22-27

**Keerthy, Divya**, Mrakotsky, Christine, and Szigethy, Eva. Pediatric Inflammatory Bowel Disease and Depression: Treatment Implications. *Current Opinion in Pediatrics*. 2014, Oct; 26(5): 561-567. Cited in PubMed; PMID: 25010217 PMID: 25010217

### **Kuhn, Julia**

Ho PA, Alonzo TA, Gerbing RB, **Kuhn J**, Pollard JA, Hirsch BA, Raimondi SC, Gamis AS, Meshinchi S. The Prognostic Effect of High Diagnostic WT1 Gene Expression in Pediatric AML Depends on WT1 SNP rs16754 Status: a Report from the Children's Oncology Group. *Pediatr Blood Cancer*. 2014 Jan; 61(1):81-8 PMID: 23956224

Leung W., Kroll M, **Kuhn J.**, Elgin SCR. The Drosophila Muller F Elements Maintain a Distinct Set of Genomic Properties Over 40 Million Years of Evolution. *G3 (Bethesda)*. 2015 Mar 4;5(5):719-40 PMID: 25740935

### **Lee, Andy**

Marc Rogers, Bing Shen, Jeremy Reese, Zhiying Xiao, Jicheng Wang, **Andy Lee**, James Roppolo, William de Groat, Changfeng Tai. (2015) Role of Glycine in Nociceptive and Non-nociceptive Bladder Reflexes and Pudendal Afferent Inhibition of these Reflexes in Cats. *Neurourology and Urodynamics*. Accepted Article in Press PMID: 26147494

Matthew Ferroni, Richard Slater, Bing Shen, Zhiying Xiao, Jicheng Wang, **Andy Lee**, James Roppolo, William de Groat, Changfeng Tai. (2015) Role of Brainstem in Tibial Inhibition of the Micturition Reflex in Cats. *American Journal of Physiology – Renal Physiology*. 309 (2015) F242-250 PMID: 26017973

Zhaocun Zhang, Timothy D Lyon, Brian T Kadow, Bing Shen, Jicheng Wang, **Andy Lee**, Audry Kang, James R. Roppolo, William C. de Groat, and Changfeng Tai. (2015) Conduction Block of Mammalian Myelinated Nerve by Local Cooling to 15-30C after Brief Heating. *Journal of Neurophysiology*. Accepted Article in Press PMID: 26740534

### **Lee, Jake**

Rinaudo A, D'Ancona G, **Lee JJ**, Pilato G, Amaducci A, Baglini R, et al. Predicting Outcome of Aortic Dissection With Patent False Lumen by Computational Flow Analysis. *Cardiovasc Eng Technol*. 2014;5:176-88

D'Ancona G, **Lee JJ**, Pasta S, Pilato G, Rinaudo A, Follis F, Pilato M. Computational Analysis to Predict False-Lumen Perfusion and Outcome of Type B Aortic Dissection. *J Thorac Cardiovasc Surg*. 2014;148:1756-8 PMID: 25109756

**Lee JJ**, D'Ancona G, Amaducci A, Follis F, Pilato M, Pasta S. Roles of Computational Modeling in Thoracic Aortic Pathology: A review. *J Card Surg*. 2014;29:653-62 PMID: 25080972

**Lee JJ**, Jabbour N. Teaching the Pharyngeal Flap and Sphincter Pharyngoplasty: The Sticky Note Method. *Int J Pediatr Otorhinolaryngol*. 2015;79:1905-8 PMID: 26375931

**Lee JJ**, Sahu N, Rogers R, Soose RJ. Severe Obstructive Sleep Apnea Treated with Combination Hypoglossal Nerve Stimulation and Oral Appliance Therapy. *J Dent Sleep Med*. 2015;2:185-6

## PUBLICATIONS

**Lee JJ**, Thottam PJ, Ford MD, Jabbour N. Characteristics of Sleep Apnea in Infants With Pierre-Robin Sequence: Is There Improvement With Advancing Age? *Int J Pediatr Otorhinolaryngol*. 2015;79:2059-67 PMID: 26429600

Kent DT, **Lee JJ**, Strollo Jr PJ, Soose RJ. Upper Airway Stimulation For OSA: Early Adherence And Outcome Results Of One Center. *Otolaryngol Head Neck Surg*. PMID: 26980908

### **Liu, Lin**

**Lin L**, Sidani JE, Shensa A, Radovic A, Miller E, Colditz JB, Hoffman BL, Giles LM, Primack BA. Association Between Social Media Use and Depression Among U.S. Young Adults. *Depression and Anxiety*. In press, 2016 PMID: 26783723

Shensa A, Sidani JE, **Lin L**, Bowman ND, Primack BA. Social Media Use and Perceived Emotional Support Among U.S. Young Adults. *Journal of Community Health*. In press, 2016 PMID: 26613936

### **Manchester, Leah**

**Manchester LC**, Lee V, Schmithorst V, Kochanek PM, Panigrahy A, Fink EL. Global and regional derangements of cerebral blood flow and diffusion MRI after pediatric cardiac arrest. *Journal of Pediatrics*, 2016; 169: 28–35 PMID: 26561380

### **Markos, Steven**

**Markos, S.M.**, Failla, M.D., Conley, Y.P., Arenth, P.M., Juengst, S.B., & Wagner, A.K. Genetic Variation in the Vesicular Monoamine Transporter: Preliminary Associations with Cognitive Outcomes after Severe Traumatic Brain Injury. *Journal of Head Trauma and Rehabilitation* PMID: 26828714

### **McDermott, Sean**

**McDermott SP**, Pantanowitz L, Nikiforova M, Monaco SE. Quantitative Assessment of Cell Block Cellularity and Correlation with Molecular Testing Adequacy in Lung Cancer. *Journal of the American Society of Cytopathology*, 2015, DOI: <http://dx.doi.org/10.1016/j.jasc.2015.11.001>

### **Minkoff, David**

Gill BS, **Minkoff D**, Beriwal S. Current Concepts in Radiation Therapy for Early-stage Endometrial Cancer. *Indian J Gynecol Oncol*, 2015

**Minkoff D**, Gill BS, Kang J, Beriwal S. Cervical Cancer Outcome Prediction to High-dose Rate Brachytherapy Using Quantitative Magnetic Resonance Imaging Analysis of Tumor Response to External Beam Radiotherapy. *Radiother Oncol*, 2015, 115(1):78-83 PMID: 25805517

Favilla CG, Mesquita RC, Mullen M, Durduran T, Lu X, Kim MN, **Minkoff DL**, Kasner SE, Greenberg JH, Yodh AG, Detre JA. Optical Bedside Monitoring of Cerebral Blood Flow in Acute Ischemic Stroke Patients During Head-of-bed Manipulation. *Stroke*, 2014, 45(5):1269-1274 PMID: 24652308

Mesquita RC, Schenkel SS, **Minkoff DL**, Lu X, Favilla C, Vora PM, Busch BR, Chandra M, Greenberg JH, Detre JA, Yodh AG. Influence of Probe Pressure on the Diffuse Correlation Spectroscopy Blood Flow Signal: Extracerebral Contributions. *Biomed. Opt. Express*, 2013, 4(7):978-994 PMID: 23847725

### **Morales, Alejandro**

**Morales A**, Parry PV, Jadhav AP, Jovin TG. A Novel Route of Revascularization in Basilar Artery Occlusion and Review of the Literature. *Journal of Neurointerventional Surgery*. 2015 June; 00:1-5 PMID: 26063797

Parry PV, **Morales A**, Jankowitz B. Solitaire Salvage: A Stentriever Assisted Catheter Reduction Technical Report. *Journal of Neurointerventional Surgery*. 2015 Nov;00:1-5 PMID: 26538620

## PUBLICATIONS

Foster KA, Jane EP, Premkumar DP, **Morales A**, Pollack IF. NVP-BKM 120 Potentiates Apoptosis in Tumor Necrosis Factor-related Apoptosis-inducing Ligand-resistant Glioma Cell Lines Via Upregulation of Noxa and Death Receptor 5. *International Journal of Oncology*. 2015 Aug; 47(2):506-16 PMID: 26044191

Jane E, Premkumar D, **Morales A**, Foster K, Pollack I. Inhibition of Phosphatidylinositol 3-Kinase/AKT Signaling by NVP-BKM120 Promotes ABT-737–Induced Toxicity in a Caspase-Dependent Manner through Mitochondrial Dysfunction and DNA Damage Response in Established and Primary Cultured Glioblastoma Cells. *Journal of Pharmacology and Experimental Therapeutics*. 2014 Jul; 350(1):22-35 PMID: 24741074

Foster K, Jane E, Premkumar D, **Morales A**, Pollack I. Co-administration of ABT-737 and SAHA Induces Apoptosis, Mediated by Noxa Upregulation, Bax Activation and Mitochondrial Dysfunction in PTEN-intact Malignant Human Glioma Cell Lines. *Journal of Neuro-Oncology*. 2014 Dec; 120(3):459-72 PMID: 25139025

### **Pompa, Anthony**

Good M, Sodhi CP, Egan CE, Afrazi A, Jia H, Yamaguchi Y, Lu P, Branca MF, Ma C, Prindle T Jr, Mielo S, **Pompa A**, Hodzic Z, Ozolek JA, Hackam DJ. Breast Milk Protects Against the Development of Necrotizing Enterocolitis Through Inhibition of Toll-like Receptor 4 in the Intestinal Epithelium Via Activation of the Epidermal Growth Factor Receptor. *Mucosal Immunol*, 2015. 8(5): 1166-1179 PMID: 25899687

### **Quidgley-Martin, Maria**

Shaffiey, S, Jia, H, Keane T, Costello C, Wasserman D, **Quidgley M**, Dziki J, Badylak S, Sodhi CP, March JC, Hackam DJ. Intestinal Stem Cell Growth and Differentiation on a Tubular Scaffold with Evaluation in Small and Large Animals. *Regenerative Medicine*, 2016, volume 11 pages 45-61 PMID: 26395928

### **Roy, Nikita**

Van Laar VS, **Roy N**, Liu A, et al. Glutamate Excitotoxicity in Neurons Triggers Mitochondrial and Endoplasmic Reticulum Accumulation of Parkin and in the presence of N-acetyl Cysteine, Mitophagy. *Neurobiol Dis*. 2014;74C:180-193 PMID: 25478815

### **Sadowsky, David**

**Sadowsky D**, Nieman G, Barclay D, Mi Q, Zamora R, Constantine G, Golub L, Lee HM, Roy S, Gatto LA, Vodovotz Y. Impact of Chemically-Modified Tetracycline 3 on Intertwined Physiological, Biochemical, and Inflammatory Networks in Porcine Sepsis/ARDS. *International Journal of Burns and Trauma*. 2015; 5(1):22-35 PMID: 26064799

Fontes P, Lopez R, van der Plaats A, Vodovotz Y, Minervini M, Scott V, Soltys K, Shiva S, Paranjpe S, **Sadowsky D**, Barclay D, Zamora R, Stolz D, Demetris A, Michalopoulos G, Marsh JW. Liver Preservation with Machine Perfusion and a Newly Developed Cell-free Oxygen Carrier Solution Under Subnormothermic Conditions. *American Journal of Transplantation*. 2015; 15(2):381-394 PMID: 25612645

Emr B\*, **Sadowsky D\***, Azhar N, Gatto LA, An G, Nieman GF, Vodovotz Y. Removal of Inflammatory Ascites is Associated with Dynamic Modification of Local and Systemic Inflammation Along with Prevention of Acute Lung Injury: In vivo and in Silico Studies. *Shock*. 2014; 41(4):317-323 \*Contributed equally PMID: 24430553

### **Sears, Sarah**

Larkin JC, **Sears SB**, Sadowsky Y. The Influence of Ligand-activated LXR on Primary Human Trophoblasts. *Placenta*. 2014;35(11):919-24 PMID: 25255963

## PUBLICATIONS

### **Shafir, Adi**

**Shafir, A**, Garrigues, SK, Schenker, Y, Leff, B, Neil, J, Ritchie, C. Homebound Patient and Caregiver Perceptions of Quality of Care in Home-based Primary Care: A Qualitative Study. *Journal of American Geriatrics Society*. 2016

### **Teng, Cindy**

**Teng, C.Y.**, & Diego, E. (in press). Case Report of a Large Lactating Adenoma with Rapid Antepartum Enlargement. *International Journal of Surgery Case Reports*, 2015 PMID: 26

### **Toocheck, Corey**

**Toocheck, C.**, Clister, T., Shupe, J., Crum, C., Ravindranathan, P., Lee, TK., Ahn, J.M., Raj, G.V., Sukhwani, M., Orwig, K.E., Walker, W.H. Mouse Spermatogenesis Requires Classical and Nonclassical Testosterone Signaling. *Biol Reprod*, 2016. 94(1): p. 11 PMID: 26607719

Walker, W.H., Easton, E., Moreci, R.S., **Toocheck, C.**, Anamthathmakula, P., & Jeyasuria, P., Walker, W.H. Restoration of Spermatogenesis and Male Fertility Using an Androgen Receptor Transgene. *PLoS One*, 2015. 10(3): p. e0120783 PMID: 25803277

### **Wasserman, Deena**

Shaffiey SA, Jia H, Keane T, Costello C, **Wasserman D**, Quidgley M, Dziki J, Badylak S, Sodhi CP, March JC, Hackam DJ. Intestinal Stem Cell Growth and Differentiation on a Tubular Scaffold With Evaluation in Small and Large Animals. *Regen Med*, 2016. 11(1):45-61 PMID: 26395928

### **Wayne, Max**

Martin-Gill, C., **Wayne, M.**, Guyette, F.X., Olafiranye, O., Toma, C. (2016) Feasibility of Remote Ischemic Preconditioning During Air Medical Transport of STEMI Patients. *Prehosp Emerg Care*. 20.1:82-9 PMID: 26270795

### **Zhang, Dongning**

Lin H, **Zhang D**, Alexander P.G., Yang G, Tan J, Cheng A.W., Tuan R.S. Application of Visible Light-based Projection Stereolithography for Live Cell-scaffold Fabrication with Designed Architecture. *Biomaterials*. 2013. 34(2): 331-9 PMID: 23092861

### **Zhang, Xiaoran**

Grandhi R, Newman WC, **Zhang X**, Harrison G, Moran C, Okonkwo DO, Ducruet AF. Administration of 4-Factor Prothrombin Complex Concentrate as an Antidote for Life-Threatening Intracranial Bleeding in Patients taking Direct Factor Xa Inhibitors: A Pilot Study. *World Neurosurg*. 2015 Sep. 1. Pii: S1878-8750(15)01058-X PMID: 26341438

Grandhi R, **Zhang X**, Panczykowski D, Choi P, Hunnicut CT, Jadhav AP, Ducruet AF, Jovin T, Jankowitz B. Incidence of Delayed Angiographic Femoral Artery Complications Using the EXOSEAL Vascular Closure Device. *Interv Neuroradiol*. 2015 May 26. Pii: 1591019915581776 PMID: 26015532

Grandhi R, Zwagerman NT, **Zhang X**, Chen SH, Jadhav AP, Jovin T, Jankowitz BT. Initial Experience With the AXERA 2 Femoral Access System in Neurovascular Procedures. *Interv Neuroradiol*. 2015 May 26. Pii: 1591019915582163 PMID: 26015530

Grandhi R, **Zhang X**, Jadhav AP, Horowitz MB, Ducruet AF, Jankowitz BT, Jovin TG. Femoral Arteriotomy Closure Using the Mynx Vascular Closure Device: A Profile of Device Efficacy and Complications. *Interventional Cardiology*. 2014;6(3):271-277 DOI: 10.2217/ica.14.11

**Zhang X**, Hunzelmann N, Tantcheva-Poor I. Recurrent Sterile Pustules and Papules in a 7-month-old Infant. *Pediatr Dermatol*. 2013;30(5):621 PMID: 24016285

## PUBLICATIONS

**Zhang X**, Schlaak M, Fabri M, Mausch C, Kurschat P. Successful Treatment of a Panniculitis-Like Primary Cutaneous T-Cell Lymphoma of the  $\alpha/\beta$  Type of Bexarotene. *Case Rep Dermatol*. 2012;4:56-60 PMID: 22548037

Daly K, Liu S, Agrawal V, Brown B, Huber A, Johnson SA, Reing JE, Sicari B, Wolf MT, **Zhang X**, Badylak SF. The Host Response to Endotoxin Contaminated Dermal Matrix. *Tissue Eng Part A*. 2012 Mar15 PMID: 22416916 [

### **Zolin, Samuel**

**Zolin SJ**, Vodovotz Y, Forsythe RM, Rosengart MR, Namas R, Brown JB, Peitzman AB, Billiar TR, Sperry, JL. The Early Evolving Sex Hormone Environment Is Associated With Significant Clinical Outcome And Inflammatory Response Differences Post-Injury. *Journal of Trauma and Acute Care Surgery*, 2015, 78 (3): p. 451 – 458 PMID: 25710413

Sperry JL, **Zolin S**, Zuckerbraun BS, Vodovotz Y, Namas R, Neal MD, Ferrell RE, Rosengart MR, Peitzman AB, Billiar TR. X Chromosome-Linked IRAK-1 Polymorphism is a Strong Predictor of Multiple Organ Failure and Mortality Postinjury. *Annals of Surgery*, 2014, 260 (4): p. 698 – 705 PMID: 25203887

Kornblith LZ, Kutcher ME, Callcut RA, Redick BJ, Hu CK, Cogbill TH, Baker CC, Shapiro ML, Burlew CC, Kaups KL, DeMoya MA, Haan JM, Koontz CH, **Zolin SJ**, Gordy SD, Shatz DV, Paul DB, Cohen MJ, and the WTA Study Group. Mechanical Ventilation Weaning and Extubation After Spinal Cord Injury: A Western Trauma Association Multicenter Study. *Journal of Trauma and Acute Care Surgery*, 2013, 75 (6): p. 1060 – 1069 PMID: 24256682

### **Xu, Karen Mann**

**Xu KM**, Rajagopalan MS, Kim H, Beriwal S. Extended Field Intensity-Modulated Radiation Therapy for Gynecologic Cancers: Is the Risk of Duodenal Toxicity High? *Practical Radiation Oncology*. 2014, Dec; 5(4): 291-297 PMID: 25532491

**Xu KM**, Quan K, Clump DA, Ferris RL and Heron DE. Stereotactic Ablative Radiosurgery for Locally-Advanced or Recurrent Skull Base Malignancies with Prior External Beam Radiation Therapy. *Frontiers in Oncology*. 2015, Mar; 5(65): Unknown PMID: 25853093

Rajagopalan MS, **Xu KM**, Lin J, Hansen K, Sukumvanich P, Krivak TC, Kelley JL, Beriwal S. Patterns of Care and Brachytherapy Boost Utilization for Vaginal Cancer in the United States. *Practical Radiation Oncology*. 2015, Jan; 5(1): 56-61 PMID: 25413431

Rajagopalan MS, **Xu KM**, Lin J, Sukumvanich P, Krivak TC, Beriwal S. Adoption and Impact of Concurrent Chemotherapy with Radiation in the Treatment of patients with Vaginal Cancer: A National Cancer Data Base (NCDB) Study. *Gynecologic Oncology*. 2014, Dec; 135(3): 495-502

Quan K, **Xu KM**, Horne ZD, Clump DA, Lalonde R, McCoy C, Burton SA and Heron DE. Treatment Plan Technique and Quality for Single-Isocenter Stereotactic Ablative Radiotherapy of Multiple Lung Lesions with Volumetric Modulated Arc Therapy or Intensity-Modulated Radiosurgery. *Frontiers in Oncology*. 2015, Sep

Quan K, **Xu KM**, Zhang Y, Vargo JA, Clump DA, Lalonde R, Burton SA, and Heron DE. Toxicities Following Stereotactic Ablative Radiotherapy Treatment of Locally-Recurrent and Previously-Irradiated Head and Neck Squamous Cell Carcinoma. *Seminars in Radiation Oncology*. 2015, Mar

Berhane H, Shinde A, Kalash R, **Xu K**, et al. Amelioration of Radiation-Induced Oral Cavity Mucositis and Distant Bone Marrow Suppression in Fanconi Anemia Fancd2 (FVB/N) Mice by Intraoral GS-Nitroxide JP4-039. *Radiation Research*. 2014, Jul; 182(1): 35-49

## PUBLICATIONS

Shinde A, Berhane H, Rhieu BH, Kalash R, **Xu K**, et al. Radioprotection of the Oral Mucosa of Tumor Bearing Radiosensitive *Fancd2*<sup>-/-</sup> (C57BL/6) Mice by Intraoral GS-Nitroxide, JP4-039. *Radiation Research*. 2015, Jul

**Zou, Richard**

**Zou RH**, Wukich DK. Outcomes of Foot and Ankle Surgery in Diabetic Patients Who Have Undergone Solid Organ Transplantation. *Journal of Foot and Ankle Surgery*. 2015, Jul; 54(4): 577-581



## MANUSCRIPTS SUBMITTED

### **Aveson, Victoria**

Brower-Sinning, R., Rogers M, Firek, B., Shi, M., **Aveson, V.G.**, Kohl, B.L., Fabio, A., Carcillo, J.A., Morowitz, M. Disruption of the Microbiome Across Multiple Body Sites in Critically Ill Children. *Microbiome*. 2015, Aug

### **Black, John**

**Black, JJ.**, Yu, F., Schnatz, RG., Chen, X., Villanueva, FS., Pacella, JJ. Effect of Viscosity and Thrombus Composition on Sonoreperfusion Efficacy in a Model of Microvascular Obstruction

### **Boakye, Lorraine**

Lee JY, **Boakye LA**, Spina N, Nowicki A, Laudermilch DC. Post-Decompressive Neuritis: Characterization of Symptoms, Images and Treatment. *Journal of Spinal Disorders and Techniques*. 2015, Dec

### **Choi, Myung Sun**

Esteban-Vives R, **Choi MS**, Young MT, Over P, Ziembicki J, Corcos A, Gerlach J. Second-degree Burn Injuries With Six Etiologies Treated With Autologous Non-cultured Cell Spray Grafting. *Burns*

### **Choi, Phillip**

Agarwal N, **Choi PA**, Shin SS, Hansberry DR, Mammis A. Anterior Cingulotomy for Intractable Pain

**Choi PA**, Agarwal N, Sekula RF. Minimally Invasive Spine Surgery for Unstable Thoracolumbar Burst Fractures

**Choi PA**, Salvetti DJ, Abromitis RA, Shutter LA, Okonkwo DO. Assessment of Phenytoin Versus Levetiracetam for the Prevention of Early Post-traumatic Seizures in Patients with Traumatic Brain Injury

Parry PV, **Choi PA**, Bauer JS, Panczykowski DM, Puccio AM, Okonkwo DO. Utility of the Aspirin and P2Y12 Response Assays to Determine the Effect of Antiplatelet Agents on Platelet Reactivity in Traumatic Brain Injury

**Choi PA**, Parry PV, Bauer JS, Panczykowski DM, Puccio AM, Okonkwo DO. Use of Aspirin and P2Y12 Response Assays in Detecting Reversal of Platelet Inhibition with Platelet Transfusion in TBI Patients on Antiplatelet Therapy

### **D'Angelo, Alex**

**D'Angelo A**, Chan E, Hayanga JW, Odell D, Pilewski J, Crespo M, Morrell M, Shigemura N, Richards T, Luketich J, Bermudez C, and D'Cunha J. Atrial Arrhythmias Following Lung Transplantation: Incidence and Risk Factors in 660 Lung Transplant Recipients. *J Thorac Cardiovasc Surg*, 2015

### **Eng, Michael**

**Eng M**, Spadaro K, Sward K, Tudorascu D, Conroy M. Lifestyle Strategies Following Intervention in Primary Care Setting. *American Journal of Preventative Medicine*, July 2015

### **Etchill, Eric**

GlobalSurg Group. Mortality of Emergency Abdominal Surgery in High, Middle and Low Income Countries. *British Journal of Surgery*, February, 2016

### **Forsyth, RaeLynn**

**Forsyth R**, Walsh-Vockley C, Edick MJ, Cameron CA, Hiner SJ, Berry SA, Vockley J, Arnold GL. Outcomes of Cases with 3-Methylcrotonyl-CoA Carboxylase (3-MCC) Deficiency – Report from the Inborn Errors of Metabolism Information System. *Mol Genet Metab*

## MANUSCRIPTS SUBMITTED

### **Frank, Rachel**

**Frank, R.C.**, Roth, R.N., Callaway, C.W. Rescue Shocks at 200J Versus 150J Are Associated With Increased Rates of Termination of Ventricular Fibrillation in Out-of-Hospital Cardiac Arrest. *Prehospital Emergency Care*. 2015, Sept

### **Jean, Katie**

**Jean KM**, Makaroun SP, Emery SP. Performance Characteristics of Obstetric Ultrasound in the Detection of Structural Heart Disease in At-risk Fetuses with Extracardiac Anomalies

### **Kang, Audry**

**Kang A**, Dudley AG, Chen ML. Urethroscopy with a Rigid Ureteroscope Facilitates Urethral Stricture Characterization and Urethroplasty

Correa, A, **Kang A**, Maranchie, J. CT Loopogram Detects TCC Recurrences after Radical Cystectomy

Butala BN, **Kang A**, Brandom BM. Daily Oral Dantrolene Use Improved Muscular Symptoms and Reduced Serum Creatine Kinase in a Malignant Hyperthermia Susceptible Individual

### **Kano, Daiji**

Henry S, **Kano D**, Farrel D, Irrgang J, Tarkin I. Novel Arthroplasty Strategies for Proximal Humeral Fracture/Dislocations, Injury, 2015

### **Kelly, John**

**Kelly JA**, May CS, Maurer SH. Assessment of the Spiritual Needs of Primary Caregivers of Children with Life-limiting Illnesses is Valuable Yet Inconsistently Performed in the Hospital. *Journal of Palliative Medicine*. 2016

### **Khalaf, Alexander**

**Khalaf, A.**, Karim, H., Berkout, O., Tudorascu, D., Reynolds, C.F., Aizenstein, H. Altered Functional Magnetic Resonance Imaging Markers of Affective Processing During Treatment of Late Life Depression. *American Journal of Geriatric Psychiatry*

### **Kim, Jee-Hong Peter**

**Kim J**, LIU MM, Nadimpalli, S, Jabbour N. Cloud-based Digital Library for Health Professionals in Training. Medical Teacher. 2015, Sept

Ling DC, Chapman BV, **JH Kim**, Choby GW, Kabolizadeh P, Clump DA, Ferris RL, Kim S, Beriwal S, Heron DE, Duvvuri U. Oncologic Outcomes and Patient-reported Quality of Life (PR-QOL) in Patients with Oropharyngeal Squamous Cell Carcinoma Treated with Primary Transoral Robotic Surgery (TORS) Versus Definitive Chemoradiation (CRT). *Cancer*. 2015, Sep; Pub

### **Lee, Jake**

**Lee JJ**, Thottam PJ, Winger DG, Wang L, Ford MD, Goldstein JA, Jabbour N. Identifying Severe Sleep Apnea in Infants with Pierre Robin Sequence Using Clinical Examination and Endoscopic Findings. *JAMA Otolaryngol Head Neck Surg*

### **Lesky, Daniel**

Lesky DN, Schott CK. Does Optic Nerve Sheath Ultrasonography Permit Accurate Detection of Real-time Changes in Intracranial Pressure? *Journal of Emergency Medicine*

## MANUSCRIPTS SUBMITTED

### **Markos, Steven**

**Markos, S.M.**, Failla, M.D., Conley, Y.P., Arenth, P.M., Juengst, S.B., & Wagner, A.K. Genetic Variation in the Vesicular Monoamine Transporter: Preliminary Associations with Cognitive Outcomes after Severe Traumatic Brain Injury. *Journal of Head Trauma and Rehabilitation*

### **McDermott, Sean**

**McDermott, S.P.**, Huang, J., Chunta, J., Troeller, A., Zhu, J., Wilson, G., Yan, D. Evaluation of Dynamic 18F-FDG PET Parameters for use in Biological Adaptive Radiotherapy. *Nuclear Medicine and Biology*, 2015

### **Newsome, Hillary**

Gasbarro G, Ye J, Newsome H, Jiang K, Wright V, Vyas D, Irrgang J, Musahl V. Tear Size is a Risk Factor for Structural Failure of Arthroscopic Rotator Cuff Repair. *Arthroscopy*

**Newsome H**, Mandapathil M, Koh YW, Duvvuri U. Utility of the Highly Articulated Flex® Robotic System for Head and Neck Procedures: A Cadaveric Study. *Annals of Otolaryngology, Rhinology and Laryngology*

### **Nyman, Katherine**

Treatment of the Iatrogenic Lesion of the Biliary Tree Secondary to Laparoscopic Cholecystectomy: A Single Center Experience, by Duilio Pagano, Alessandro Tropea, Antonio Biondi, Davide Cintorino, **Katherine Nyman**, Marco Spada, Mario Traina, Luigi Maruzzelli, Basile Francesco and Salvatore Gruttadauria *To Gastroenterology Research and Practice*

### **Oluwole, Olubusola**

**Olubusola Oluwole**, Robert Noll, Dan Winger, Olu Akinyanju, Enrico M. Novelli. Cognitive Function of Nigerian Children with Sickle Cell Disease

### **Rashid, Arif**

**Rashid, A.**, Ram, A., Franke, A., Kates, W., Redmond, K., Wharam, M., Mahone, E.M., Horska, A., Terezakis, S. A Prospective Study of Corpus Callosum Regional Volumes and Neurocognitive Outcomes Following Cranial Radiation for Pediatric Brain Tumors. *International Journal of Radiation Oncology Biology Physics*

### **Ross, Mitchell**

**Ross, M.W.**, Cescon, M., Andorno, E., Rossi, G., Pinna, A., De Carlis, L., Baccarani, U., Cillo, U., Colledan, M., Mazzaferro, V., Tisone, G., Rossi, M., Tuzzolino, F., Pagano, D., Gruttadauria, S., Mazariegos, G., Gridelli, B., & Spada, M. A Matched Pair Analysis of Multicenter Long-term Follow-up After Split Liver Transplantation with Extended Right Grafts. *Ann Surg.*

### **Sadowsky, David**

**Sadowsky D**, Zamora R, Barclay D, Yin J, Fontes P, Vodovotz Y. Machine Perfusion of Porcine Livers with Oxygen-carrying Solution Results in Reprogramming of Dynamic Inflammation Networks

### **Suter, Daniel**

Germain A, Ebdlahad S, Socker R, Mammen O, **Suter D**, Rode N James J, Price J, Nofzinger E. Functional Neuroimaging of NREM Sleep in Combat Veterans with and without PTSD. *JAMA Psychiatry*

### **Teng, Cindy**

Murphy, M.C., Conner, I.P., **Teng, C.Y.**, Lawrence, J., Safiullah, Z., Wang, B., Bilonick, R.A., Kim, S.-G., Wollstein, G., Schuman, J.S., & Chan, K.C. Eye Structures and Brain Activity are Impaired Prior to Clinical Vision Loss in Glaucoma. *Ophthalmology*, 2016

## MANUSCRIPTS SUBMITTED

### **Wang, Yanting**

Ackenbom MF, Giugale L, **Wang Y**, Shepard JP. Incidence of Occult Uterine Pathology in Women Undergoing Hysterectomy with Pelvic Organ Prolapse Repair. Submitted to *Female Pelvic Medicine & Reconstructive Surgery* 2015, Dec

### **Xie, Maylene**

Xie B, **Xie M**, Cui X, Xu J, Tzeng E, Billiar T, Sachdev U. Absence of Platelet-Derived TLR4 Improves Perfusion Recovery in Ischemic Skeletal Muscle. [abstract submitted 2015] 11th Annual Academic Surgical Congress

### **Xu, Karen Man**

Quan K, **Xu KM**, Rajagopalan MS, Wegner RE, Clump DA, Flickinger JC, et al. Interim Results of a Phase II Clinical Trial of Induction Gemcitabine/Capecitabine Followed by Stereotactic Ablative Radiotherapy in Borderline Resectable or Locally Advanced Pancreatic Adenocarcinoma. *Journal of Gastrointestinal Cancer*. 2015, Dec

### **Zhang, Xiaoran**

**Zhang X**, Rao A, Deibert CP, Sette P, Kohanbash G, Chang Y, Park Y, Engh J, Choi J, Chan TA, Okada H, Lotze MT, Grandi P, Amankulor N. IDH Mutant Gliomas Escape Natural Killer Cell Immune Surveillance by Downregulation of NKG2D Ligands. *Neuro-Oncology*

### **Zolin, Samuel**

**Zolin SJ**, Magge DR, Lee KKW. Solitary Fibrous Tumor of the Liver and Pancreas Leading to Non-Islet Cell Tumor Hypoglycemia: A Case Report and Review of the Literature. *World Journal of Surgical Oncology*

## NATIONAL AND STATE AWARDS

### **Black, John**

2013-2014 HHMI Research Fellow

### **Boakye, Lorraine**

2014 Research Fellow in Orthopaedic Surgery, VuMedi (Educational Platform for Physicians)

2013 Medical Student Summer Research Fellow, Hospital for Special Surgery

2015 Ruth Jackson Orthopaedic Society Medical Student/Resident Workshop Scholarship Recipient

### **Boiko, Julie**

2015 American Society of Hematology Abstract Achievement Award

2015 American Medical Association Foundation Seed Grant Research Program

2014 American Society of Hematology Honors Award

### **Chapman, Bhavana**

2014 MD Anderson Symposium on Cancer Research Young Investigator Travel Fellowship Award

2013–2014 Howard Hughes Medical Institute (HHMI) Medical Research Fellow

### **Cheng, Carol**

2014 NIH NIMH Pre-doctorate Scholar

### **Cummings, Erin**

2013-2014 Howard Hughes Medical Institute Medical Research Fellowship

### **Dhaliwal, Amardeep**

2014 National Eye Institute ARVO Travel Grant

### **Dombrowski, Malcolm**

NREF Medical Student Summer Research Fellowship

### **Etchill, Eric**

2016 Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) Medical Student Scholarship Award Winner

### **Heft-Neal, Molly**

2nd place in the category of Cancer Biology at 11th Annual American Medical Association (AMA) Research Symposium

### **Holt, Douglas**

2014-2015 NIH T32 Research Training Grant Fellowship (PI Dwight E. Heron)

2006 Science Research Mini-Grant, Utah State University (PI Alvan Hengge)

2015 Departmental Travel Award for ASTRO, University of Pittsburgh Cancer Institute

2015 Departmental Travel Award for ACRO, University of Pittsburgh Cancer Institute

### **Huh, Alexander**

NIH T35-Training Grant

### **Kim, Jee-Hong Peter**

2014 Best Poster Award 1st Place- Furlow Palatoplasty: The Sticky Note Method (Society for Ear Nose Throat Advancement in Children), St.Louis, MO

2015 Best Poster Award 3rd Place- Tubomanometry For Eustachian Tube Function Testing (Combined Otolaryngology Spring Meeting-American Society of Pediatric Otolaryngology) Boston

## NATIONAL AND STATE AWARDS

### **Kuhn, Julia**

2013 Abstract Achievement Award American Society of Hematology Annual Conference, New Orleans, LA

### **Laskow, Bari**

Basic Health International Fellowship

### **Lee, Jake**

2014 Society of Vascular Surgery Travel Scholarship. Boston, MA. Invitation to participate in the Open and Endovascular Simulation Training workshop and Surgical Skills Competition

2016 Triological Society Medical Student Travel Award. Miami Beach, FL. Fund to cover travel expenses for my poster presentation titled, Diagnosing Rongue Vase Obstruction in Infants With Pierre Robin Sequence: Is Sleep Endoscopy Superior to Awake Endoscopy?

2016 Triological Society 2016 Combined Sections Meeting 2<sup>nd</sup> Place Poster Award. Miami Beach, FL. 2<sup>nd</sup> Place award at this national conference in the Pediatric Otolaryngology section for my 1<sup>st</sup> authored poster titled, Diagnosing Tongue Base Obstruction in Infants with Pierre Robin Sequence: Is Sleep Endoscopy Superior to Awake Endoscopy?

### **Liu, Lin**

2014-2015 National Institute of Mental Health Medical Student Research Fellowship

2015 Watson's Humanism Honor Society Award

2015 Association of Medicine and Psychiatry Medical Student Travel Award

### **Frank, Rachel**

2012 American Heart Association Resuscitation Science Symposium Young Investigator Award

### **McDermott, Sean**

Medical School Scholarly Project Program Travel award for oral presentation at 2014 American Society of Cytopathology meeting

### **Oluwole, Olubusola**

American Society of Hematology - Honors Award recipient

American Society of Hematology- Merit Award recipient

### **Rashid, Arif**

2014 Radiological Society of North America (RSNA) Medical Student Grant

### **Shafir, Adi**

2013 Medical Student Training in Aging Research Program, AFAR

### **Tao, Sunny**

2014 Preeclampsia Foundation Award for Young Investigators

### **Teng, Cindy**

2015 National Eye Institute Travel Grant to ARVO Conference in Denver, CO

2015 Abstract awarded "Hot Topic" at 2015 ARVO Conference

### **White, Allana**

Susan B. Komen Pittsburgh Small Travel Grant

### **Xie, Maylene**

2014 Society of Vascular Surgery Student Research Fellowship

2014 Society for Vascular Surgery Basic Science Poster Competition - Finalist

## NATIONAL AND STATE AWARDS

### **Xu, Karen Mann**

2015 Research selected as press highlight for July/August issue of Practical Radiation Oncology

2014 Abstract selected for American Brachytherapy Society annual meeting Plenary Session

2014 ASTRO Poster selected for ARRO Poster Walk with a Professor program

## LOCAL AWARDS

### **Birkness, Jacqueline**

Dean's Summer Research Project Certificate of Merit

### **Black, John**

2012 Dean's summer research project – Excellence in Biomedical Research Award

### **Boakye, Lorraine**

2013 Medical Student Summer Research Fellow, Hospital for Special Surgery

2014 Research Fellow in Orthopaedic Surgery, VuMedi (Educational Platform for Physicians)

2015 Ruth Jackson Orthopaedic Society Medical Student/Resident Workshop Scholarship Recipient

### **Bohnhoff, James**

2013 Dean's Summer Research Program Scholarship recipient

### **Boiko, Julie**

2012 University of Pittsburgh Dean's Summer Research Program

2014-15 University of Pittsburgh Clinical Scientist Training Program – University of Pittsburgh Clinical and Translational Science Institute (National Institutes of Health UL1 TL1TR000005)

### **Brase, Amanda**

Translational Research Training in Sleep Medicine, T32 Grant

### **Burrows, Michael**

2011-2016 Physician Scientist Training Program Fellowship Recipient, University of Pittsburgh School of Medicine

2013-2014 Howard Hughes Medical Institute (HHMI) Research Training Fellowship Recipient, 2013-2014, University of Pittsburgh School of Medicine

### **Chapman, Bhavana**

2011–2016 Physician Scientist Training Program

2014 Graduate and Professional Student Government Travel Grant

### **Choi, Phillip**

2012 Dean's Summer Research Grant, University of Pittsburgh School of Medicine, Pittsburgh, PA

2014 Walter Copeland Summer Medical Student Scholar, The Pittsburgh Foundation, Pittsburgh, PA

### **Dombrowski, Malcolm**

Dean's Summer Research Grant Awardee—University of Pittsburgh School of Medicine

Harris H. and Gertrude M. Harris Foundation Scholarship

### **Etchill, Eric**

2013 Stanley Prostrednik Nationality Rooms Scholarship for Research Abroad, Summer

2013 International Studies Fund for Research in Sub-Saharan Africa, Summer

2013 Dean's Summer Research Project Grant

2013 Medical Alumni Research Scholarship

### **Farrell, Daniel**

2013 Stephen Phillips Award for Outstanding Basic Science Research



## LOCAL AWARDS

### **Han, Katrina**

University of Pittsburgh School of Medicine Dean's Summer Research Program  
University of Pittsburgh School of Medicine Travel Grant  
University of Pittsburgh Graduate & Professional Student Government Travel Grant

### **Holt, Douglas**

2012 Dean's Summer Research Program Grant, University of Pittsburgh SOM  
2012 Research Merit Abstract Award, Dean's Summer Research, University of Pittsburgh  
2014-2015 Clinical Scientist Training Program Fellowship, University of Pittsburgh  
2015 Departmental Travel Award for ASTRO, University of Pittsburgh Cancer Institute  
2015 Departmental Travel Award for ACRO, University of Pittsburgh Cancer Institute

### **Hu, Jennifer**

2013 Dean's Summer Research Program Grant for Identification of Vulnerable Community-Dwelling Elders in the Emergency Department using a Multi-modal Assessment. Hu, J., Suffoletto, B.P.

### **Kang, Audry**

2013 Merit award for Dean's Summer Research Abstract  
2013 T35 NIH training grant for Hem/Onc Research (Dean's Summer Program)  
2015 University of Pittsburgh GPSG Travel Grant for Conference  
2015 University of Pittsburgh School of Medicine SEC Travel Grant for Conference

### **Kano, Daiji**

2013 Nationality Room Graduate Award  
2013 Dean's Summer Research Award

### **Kelly, John**

NIH Grant T35AT005933-04

### **Kim, James**

2013 Dean's Summer Research Program Grant

### **Kim, Jee-Hong Peter**

2012 NIH T-35 Training Grant in Heme/Onc University of Pittsburgh, PA, United States

### **Kim, Joyce**

NIMH T32 Training Grant

### **Lee, Jake**

2013 Dean's Summer Research Project Grant. Cardiovascular surgery research at the UPMC-affiliated transplant hospital in Palermo, Italy

### **Lesky, Daniel**

2013 **Daniel N. Lesky**, Melanie J. Grubisha, Teresa T. Liu, Donald B. DeFranco. The Impact of Androgen Deprivation on a Benign Prostatic Hyperplasia (BPH) Cell Line. Dean's Summer Research Symposium, University of Pittsburgh School of Medicine. Pittsburgh, PA

### **Manchester, Leah**

2013 Dean's Summer Research Project Stipend  
2014 Best Graduate Student Poster, Local MRI Research Conference at CMU

## LOCAL AWARDS

### **Markos, Steven**

2013 Merit Award for Excellence in Biomedical Science Research

2013 NIH (T35) Grant for Student Research Training in Integrative, Complementary, and Alternative Medicine

2015 2<sup>nd</sup> place prize for oral presentation at Safar Symposium (Pittsburgh, PA)

### **McDermott, Sean**

Medical School Scholarly Project Program Travel award for oral presentation at 2014 American Society of Cytopathology meeting

### **Michelson, Sarah**

2016 2<sup>nd</sup> place Clinical Presentation, American Heart Association Fellows' Research Day

2013 DSRP (different project) funded by the T-35 Training Grant in Renal, GI, Endocrine, and Epithelial Biology, Grant #:

DK065521, NIH/NIDDK, PI: Thomas Kleyman, MD

### **Mukherjee, Abhigyan**

NIH T35 Research Training Grant

### **Moghul, Ayesha**

Arthur Mirsky Student Research Award for Clinical Investigation

### **Mortensen, Peter**

2013 Dean's Summer Research stipend

### **Newsome, Hilary**

**Newsome H.** Ye J, Mushal V. Predictors of Failed Rotator Cuff Repair. Dean's Summer Research Program University of Pittsburgh School of Medicine

### **Nyman, Katherine**

Dean's Summer Research

Medical Alumni Association Travel Grant

### **Okafor, Debra**

2013 Dean's Summer Research Award: **Okafor, Debra C.**, Pagano, Duilio MD, & Spada, Marco MD, PhD. An Experience in Pediatric Liver Transplantation: Long-Term Outcome Analysis of 15 Year Follow Up Graft and Extrahepatic Complications. Poster presented at: Dean's Summer Research Program Research Symposium; Pittsburgh, PA

2015 CEED II Scholars Program: **Okafor, Debra C.**, Ardell, Stephanie MD, Vats, Kalyani MD. The Implementation of CPAP on Preterm Infants: A Quality Improvement Study. Poster presented at: 4th Annual CEED Scholars Poster Presentation; Pittsburgh, PA

### **Oluwole, Olubusola**

University of Pittsburgh School of Medicine Dean's Summer Research Award recipient

### **Quidgley-Martin, Maria**

2013 NIH-sponsored T35 training grant funded by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

### **Rapakko, Salla**

2013 Innovative Methods in Pathogenesis and Child Treatment Program T32 pre-doctoral training grant

### **Rosenbaum, Lucy**

2013 Dean's Summer Research Seminar Merit Award

2013 NIH T35 Training Grant for Research in Hematology and Oncology

## LOCAL AWARDS

**Ross, Mitchell**

2013 Dean's Summer Research Program Grant

**Roy, Nikita**

University of Pittsburgh School of Medicine Dean's Summer Research Grant Recipient

**Sadowsky, David**

2013 Dean's Summer Research Project

**Scanlon, Matthew**

2013 Dean's Summer Research Project Grant Recipient

**Sears, Sarah**

2013 Merit Award, Dean's Summer Research Project

**Shafir, Adi**

David C Martin Award - Travel scholarship to the American Geriatrics Society annual conference from the Western Division of the Pennsylvania Geriatrics Society

**Suter, Daniel**

2013 T32 Translational Research Training in Sleep Medicine Award at UPSOM

**Tao, Sunny**

2013 Dean's Summer Research Program, Arthur Mirsky Award for Outstanding Biomedical Science Research

**Teng, Cindy**

2013 Stephen L. Phillips Award for Outstanding Basic Science Research, University of Pittsburgh School of Medicine

2013 NIMH T32 Summer Training Fellowship, Charles Reynolds, III, MD

2014 University of Pittsburgh Graduate and Professional Student Government Travel Award

2014 University of Pittsburgh School of Medicine Travel Grant

**Toocheck, Corey**

2013 Dean's Summer Research Project

**Quidgley-Martin, Maria**

2013 University of Pittsburgh School of Medicine Dean's Summer Research Program Abstract Merit Award for Excellence in Biomedical Science Research

**Teng, Cindy**

2013 Stephen L. Phillips Award for Outstanding Basic Science Research, University of Pittsburgh School of Medicine

2014 University of Pittsburgh Graduate and Professional Student Government Travel Award

**Vu, Nicholas**

2013 NIH Grant T32 MH19986 awarded

**Wang, Steven**

Scholarly Research Project Travel Grant

**White, Allana**

Scholarly Research Project Travel Award

Susan B. Komen Pittsburgh Small Travel Grant

## LOCAL AWARDS

**Xie, Maylene**

Deans Summer Research Fellowship

**Xu, Karen Man**

2013 NIH T35 Hematology and Oncology fellowship (Summer Research)

**Zhang, Xiaoran**

Clinical Scientist Training Program

**Zolin, Samuel**

2013 Dean's Summer Research Merit Award

## 2016 Scholarly Project Administration

---

### **Scholarly Project Deans:**

Donald Defranco, PhD

Associate Dean for Medical Student Research  
Department of Pharmacology & Bio Chemistry

Gwendolyn Sowa, MD, PhD

Associate Dean for Medical Student Research  
Department of Physical Medicine and Rehabilitation

Judy Chang, MD, MPH

Assistant Dean for Medical Student Research  
Department of Obstetrics, Gynecology and Reproductive Sciences & Internal Medicine

Margaret Conroy, MD, MPH

Assistant Dean for Medical Student Research  
Department of Medicine

Rebecca Hughey, PhD

Assistant Dean for Medical Student Research  
Department of Neurobiology

James Irrgang, PhD, PT, ATC, FAPTA

Assistant Dean for Medical Student Research  
Department of Orthopedic Surgery

### **Scholarly Project Administration:**

Suzann Beardsley

Medical Student Research Administrator

Pamela Harlow

Medical Student Research Coordinator