

University of Pittsburgh
School of Medicine



SCHOLARS DAY
CLASS OF 2015

WEDNESDAY, APRIL 8, 2015
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

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SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Abel, Jacob	Automated classification of thyroid follicular lesions based on image analysis	John Ozolek, MD	Pathology
Alger, Mikaela	Homeless and depression	Adam Gordon, MD, MPH	Internal Medicine
Amin, Priyanka	Physicians' care of sexual assault survivors	Judy Chang, MD, MPH	Obstetrics and Gynecology
Arboleda, David	Long-term risks of bleeding, thrombosis and need for repeat revascularization in patients undergoing "inappropriate" non-acute percutaneous coronary interventions as determined by 2012 appropriate use criteria for coronary revascularization	Suresh Mulukutla,	Cardiology
Ayyash, Omar	What is the spontaneous stone passage rate in prepubertal children	Michael Ost, MD	Urology
Babalola, Kathleen	Mechanisms leading to upregulation of mucin 1 (MUC1) in endometriosis-associated ovarian carcinoma	Anda Vlad, MD, PhD	Obstetrics and Gynecology
Barney, Angela	Mental health and body weight effects of public housing closure for adolescent girls	Kathleen McTigue, MD, MPH, MS	Medicine and Epidemiology
Benabou, Kelly	Role of toll-like receptor (TLR)-mediated HMGB1 signaling in promoting angiogenesis after ischemia	Ulka Sachdev, MD	Vascular Surgery
Bernard, Heather	Assessing the utilization and implementation of stress relief techniques in teen mothers	Jeannette South-Paul, MD	Family Medicine
Bilan, Victor	Voice changes after thyroid and parathyroid surgery	Linwah Yip, MD	Surgery and Oncology
Binks, Joshua	A Study of Meniscal Hoop Displacement Using Tantalum Beads and X-rays	Christopher Harner, MD	Orthopaedic Surgery
Bowles, Austin	Internal fixation hardware and the effects of weather on perception of pain	Peter Siska, MD	Orthopaedic Surgery

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Calderon, Luis	Neuroprognostication using diffusion-weighted MR imaging after cardiac arrest	Jon Rittenberger, MD	Emergency Medicine
Chen, Stephanie	Brain Atrophy after whole-brain radiation therapy plus radiosurgery versus radiosurgery alone for metastatic lung cancer	Edward Monaco, III, MD, PhD	Neurosurgery
Chin, Katherine	Effect of administration of neuromuscular blocking agents in pediatric patients with severe traumatic brain injury on acute complication rates and long-term outcomes	Michael Bell, MD	Critical Care Medicine
Chung, Jeffrey	20-year psychosocial follow-up for families with sons detected for duchenne muscular dystrophy (DMD) using newborn screening (NBS)	Paula Clemens, MD	Neurology
Ciuffetelli, Gary	STD prevalence in the general population and homeless population of a free clinic in Allegheny County	Harold Wiesenfeld, MD	Gynecology
Cohen, Adam	Variation in opioid prescribing among emergency department providers	Charissa Pacella, MD	Emergency Medicine
Cohen, Sarah	Simplifying prognostic testing in Cystic Fibrosis: How does heart rate recovery after sub-maximal aerobic exercise correlate with maximal exercise testing results	David Orenstein, MD	Pediatric Pulmonology
Cutler, Jessica	Variability in the duty cycle of human-performed CPR and impact on ROSC	James Menegazzi, MD	Emergency Medicine
Dhar, Abhishek	Factors underlying soil transmitted helminth and schistosomiasis infection and reinfection following mass drug administration in school children in Calatrava, Philippines	Bernard Jonas Macatangay, MD	Infectious Disease
Dilla, Andrew	Clinical validation of risk stratification criteria for postpartum hemorrhage	Mark Yazer, MD	Pathology

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Dixit, Ronak	The impact of surgical treatments for Pierre Robin sequence on swallowing	Todd Otteson, MD	Otolaryngology
Dreyzin, Alexandra (CSTP)	Long-term outcomes and predictors in pediatric liver retransplantation	George V. Mazariegos, MD, FACS	Surgery and Critical Care
Duerr, Eric	ACL degeneration as an early marker of future osteoarthritic changes in the knee	James Irrgang, PT, PhD, ATC, FAPTA	Orthopaedic Surgery
Duff, Kyle	Open trial of cognitive-behavioral intervention on fatigue in adolescent and young adults with Crohn's Disease and abdominal pain	Eva Szigethy, MD, PhD	Pediatrics
Dulmage (O'Neill), Brittany (PSTP)	Three components of the TOX-RUNX3 pathway are differentially expressed in cutaneous T-cell lymphoma	Laura J. Geskin, MD	Dermatology
Duvet, Mildred	Racial disparities in awareness of HPV and HPV vaccine uptake	Jennifer Paul, MD	Obstetrics and Gynecology
End, Bradley	Community based needs assessment of the population served by the Braddock Care Clinic	Howard Degenholtz, PhD	Health Policy and Management
Espinoza, Joaquin	Fetal growth trajectory as a method of identifying fetal growth restriction	Jacob Larkin, MD	Obstetrics and Gynecology
Evans, Megan	The role of twist dimerization in cellular response to stimulation with BMP2 or TGF	Gregory Cooper, MD, PhD	Plastic Surgery
Fang, Nancy	Project connect: An evaluation of a public health partnership to prevent violence against women	Elizabeth Miller, MD, PhD	Pediatrics
Flores, Vanessa	The role of the functionally relevant single nucleotide polymorphisms CYP2J2 - 50G>T (CYP2J2*7) and EPHX2 9846A>G (EPHX2 K55R) in human endothelial function	Mark Gladwin, MD	Vascular Medicine

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Fritz, Christie	Creating and validating screen-based simulations (SBS) to teach MS IV's resuscitation skills identified as critical by subject matter experts	William McIvor, MD	Anesthesiology
Fu, Polly	Reporting of vasomotor symptoms by midlife women	Rebecca Thurston, PhD	Psychiatry
Gillum, Megan	Neuropathologic correlates of cognitive impairment in late life depression	Meryl Butters, PhD	Psychiatry
Gilman, Alana	Influence of anesthetic technique on acute and chronic neuropathic pain following thoracic surgery	James Ibinson, MD	Anesthesiology
Goodheart, Anna	Uptake of Pittsburgh compound B in periventricular white matter hyperintensities	William Klunk, MD, PhD	Psychiatry and Neurology
Grady, Cynthia (CSTP)	Understanding how cultural, structural and relationship factors shape pregnancy intentions and contraceptive behavior	Sonya Borrerro, MD	Internal Medicine
Haas, Matthew	Measuring static seated pressure distributions and risk for skin pressure ulceration in ice sled hockey players	Brad DiCianno, MD	PM&R
Harding, Mark	The effects of surfactant additives on the mucus penetration of inhaled medications	Timothy Corcoran, PhD	Medicine
Holt (Haberman), Stephanie	Improvement in prediction of outcomes in heart failure patients using cardiac magnetic resonance and echocardiographic global circumferential strain	John Gorcsan, III, MD	Cardiology
Hudak, Stephen	Effects of yttrium-90 embolization versus intrahepatic chemoembolization on tumor necrosis in HCC patients	James Marsh, MD, MBA	Surgery

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Huynh, Leticia	Relationship between time-to-drug administration during resuscitation and outcomes for out-of-hospital cardiac arrest patients	James Menegazzi, MD	Emergency Medicine
Janiczek, Jonathan	Optimal hemodynamic resuscitation after cardiac arrest	Cameron Dezfulian, MD	Critical Care Medicine
Jimenez-Bacardi, Adria	Evaluating biomarkers of systemic inflammation in pediatric severe sepsis and sepsis induced multiple organ failure	Joseph Carcillo, MD	Critical Care Medicine
Jochum, John	Advancing the screening and diagnosis of fibromyalgia	Jordan Karp, MD	Psychiatry, Anesthesiology and Clinical Translational Science
Kamprath, Sagar	Physiologic measures of mindfulness mediation in older adults	Natalie Morone, MD, MS	Internal Medicine
Karpenshif, Yoav	The characterization of human regulators of homologous recombination in a <i>S. Cerevisiae</i> model system	Kara Bernstein, PhD	Microbiology and Molecular Genetics
Kaus, James	Natural killer cell HMGB1 regulates Tim-3 expression and maturation of dendritic cells	Michael Lotze, MD	Surgery
Kensler, Caroline	Investigating the role of cathelicidin in mycobacterium tuberculosis infection control in mice and non-Human primates	Philana Lin, MD	Infectious Disease
Kim, Jocelyn	The impact of monsoplasty on sexual function and urinary incontinence in women following massive weight loss	Jeffrey Gusenoff, MD	Plastic Surgery
Kingsley, Evan	Ecological assessments and interventions using cell phone text-messaging to reduce post-concussive symptoms in adults discharged from the emergency department after minor head injury	Brian Suffoletto, MD	Emergency Medicine

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Knox, Jordan	A comparison of patient, parent and clinician post-concussion symptom reports	Anthony Kontos, PhD	Orthopaedic Surgery
Kurapati, Nikhil	Volume of intra-meniscus MRI signal as a predictor of radiographic knee osteoarthritis	James Irrgang, PT, PhD, ATC, FAPTA	Orthopaedic Surgery
Labrum, Joseph	Discrepancies in measuring acetabular coverage: revisiting the center edge angles of Wiberg and Lequesne	Volker Musahl, MD	Pediatric Orthopaedic Surgery
Landreneau, Joshua	Regulation of adaptive immune cell recruitment to the neonatal gut through enterocyte toll-like receptor 4	David Hackam, MD, PhD	Pediatric Surgery
Langmann, Gabrielle	Inflammatory markers and frailty in long-term care residents	Susan Greenspan, MD	Medicine
Lee, Ted	A populational study of the prevalence, severity, genetics and environmental factors affecting pediatric asthma in two peruvian regions	William Checkley, MD	Global Disease Epidemiology and Control
Lee, Tiffany	The effects of steatohepatitis and sarcopenia on outcomes of liver resection	Allan Tsung, MD	Surgery
Leef, George	Adherence to anti-arrhythmic prescribing guidelines in the management of atrial fibrillation	Samir Saba, MD	Cardiology
Li, Allen	Correlation of SMAD4 between pre-operative cell block with final resected tumor in patient outcomes in patients with primary resectable pancreatic adenocarcinoma	Herbert Zeh, MD	Surgery
Ling, Diane	Hospitalizations in Patients Who Receive Definite and Adjuvant Therapy for Head and Neck Cancer (HNC)	Dwight Heron, MD	Radiation Oncology
Liu, Mona	Anti-Tumor Necrosis Factor Induced Psoriasis in Adults with Inflammatory Bowel Disease	Lisa Grandinetti, MD	Dermatology

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Lott, Margaret	The effects of maintenance activities on weight and physical activity levels after lifestyle intervention	Margaret Conroy, MD, MPH	Internal Medicine
Lu, Bonnie	An evaluation of the efficacy of a hospital safety center in changing parental knowledge, attitude, and behavior towards child safety and injury prevention	Barbara Gaines, MD	Pediatric General and Thoracic Surgery
Lu, Shu	The effect of hemodilution on red blood cell hemolysis and mechanical fragility during intraoperative cell salvage	Jonathan Waters, MD	Regenerative Medicine
Mallios, Demetrios	Use of a modified perfusion circuit and its effects on rates of transfusion in adult cardiac surgery	Vinay Badhwar, MD	Cardiothoracic Surgery
Martz, Rebecca	Assessing changes in provider attitudes and beliefs toward smoking cessation in a cluster-randomized controlled trial of low income veterans	Hilary Tindle, MD, MPH	Internal Medicine
Mattson, Jennifer	Inhaled nitrous oxide for labor analgesia	Ya'aqov Abrams, MD	Family Medicine
McCann, Sean	Prehospital heart rate variability for the prediction of life saving interventions in trauma	Francis Guette, MD	Emergency Medicine
McCloskey, Karen	Health literacy and the effects of active patient health reminders	Rachel Hess, MD	Internal Medicine
McDaniel, Lauren	The use of a massive transfusion protocol in non-trauma patients	Matthew Neal, MD	Surgery
Morley, Julia	Heart rate and autonomic responses in firefighters during emergency activities	David Hostler, MD	Emergency Medicine
Nakajima, Ericka (PSTP)	Identifying the presence of metabolic heterogeneity in head and neck squamous cell carcinoma xenografts and human tumors	Bennett VanHouten, MD	Pharmacology and Chemical Biology

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Narendra, Divya	Longitudinal evaluation of latent class analysis of optical coherence tomography measurements as a predictor of rate of glaucoma progression	Chaim-Gadi Wollstein, MD	Ophthalmology
Nolen, Brian	The use of urine protein biomarkers in the early detection of cancer	Anna Lokshin, PhD	Pathology
Nunez, Eduardo (CSTP)	Recently bereaved surrogates' stories about their participation in decisions to limit life-sustaining treatment for a loved one in the intensive care unit (ICU)	Charles Reynolds, MD	Geriatric Psychiatry and Neurology
Nwachuku, Enyinna	Intermittent vs. continuous cerebrospinal fluid drainage management in adult severe traumatic brain injury	David Okonkwo, MD, PhD	Neurosurgery
Nwadiuko, Joseph	A qualitative analysis of factors leading to increased involvement in Nigerian healthcare	Jamie Stern, MD, MPH	Internal Medicine
O'Neill, Elizabeth	Effect of hypertonic saline on malignant stroke: A retrospective analysis	Max Hammer, MD	Vascular Neurology
Oparaji, Judy-April	Healthy minds program: A cost-effective method to promote mental health in at-risk minority youth	Jason Rosenstock, MD	Psychiatry
Papa, Rebecca	The effects of Sall1 on BMP expression	A. Paula Nichols, MD	Neurobiology
Pendleton, Kelsey	Genomic and epigenomic alterations associated with STAT3 activation in head and neck squamous cell carcinoma	Jennifer Grandis, MD, FACS	Otolaryngology
Pfaff, Marissa	An investigation of the benefits of lifestyle regularity and social rhythms in older adults	Timothy Monk, PhD	Psychiatry
Phillips, Jaclyn	Understanding physician response to disclosure of intimate partner violence	Judy Chang, MD, MPH	Obstetrics, Gynecology and Reproductive Sciences

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Plonka, Caitlyn	The effect of CMV serotype mismatch on the causes of mortality in lung transplant recipients	John McDyer, MD	Medicine
Puyana, Salomon	Comparing the outcomes of the different cardiac assist devices in cardiogenic hock following a myocardial Infarction	Suresh Mulukutla, MD	Cardiology
Rao, Anjali	Optical coherence tomography in late stent failure	Sameer Khandhar, MD	Cardiology
Rattan, Puru	The impact of clinical pathway development on a healthcare system – reducing variation in the care of patients undergoing hip/knee replacement procedures	Oscar Marroquin, MD	Cardiology
Raymond, Dahlia	Endothelial dysfunction in obesity, pregnancy and preeclampsia	James Roberts, MD	Obstetrics, Gynecology and Reproductive Sciences
Rhem, Marla	Assessment of young fathers' access to preventive health resources	John Maier, MD, PhD	Family Medicine
Rhieu, Byung	Understanding two distinct classes of hepatocellular cancer (HCC): Beta-catenin and platelet-derived growth factor receptor alpha (PDGFR alpha)-dependent receptor tyrosine kinase (RTK) signaling	Satdarshan (Paul) Singh Monga, MD	Regenerative Medicine
Rieser, Caroline (PSTP)	Caspase 3 activation in the pregnant cervix and its potential role in peripheral nerve innervation	Jennifer Condong, PhD	Obstetrics & Gynecology
Rocco, Joseph	Exploring the Potential Role of TbeIF4E-5, A New Translation Initiation Factor Orthologue, On Cell Cycle Progression and Proliferation in Trypanosoma Brucei	Salvador Tarun, PhD	Infectious Disease and Microbiology

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STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Romero, Cynthia	Developing and testing a computer-based debriefing system for a mannequin-based simulation of an uncal herniation scenario	William McIvor, MD	Anesthesiology
Rosasco, Maria	Probing functional deficits after experimental repetitive mild traumatic brain injury using a scopolamine challenge	Clifton Dixon, MD	Neurosurgery
Ross, Megan	Pregnant women's intentions to breastfeed - Do maternal health benefits matter	Eleanor Schwarz, MD	Medicine
Sabedra, Alexa	Changes in neurocognitive function within 3 Months post cardiac arrest	Jon Rittenberger, MD	Emergency Medicine
Samberg, Diana	Retinoic acid receptor signaling pathways in psoriasis	Laura Ferris, MD, PhD	Dermatology
Schott, Trevor	Role of osteosarcoma cancer stem cells markers in predicting patient outcome	Kurt Weiss, MD	Surgery
Shah, Rahul	ISAR tool to identify older adults at risk for return to hospital	Brian Suffoletto, MD	Emergency Medicine
Shah, Samir	Predictive value of pre-treatment vs. post-treatment PET-CT in prognosticating outcomes in patients with early stage medically-inoperable NSCLC	Dwight Heron, MD, FACRO, FACR	Radiation Oncology
Shakir, Sameer (PSTP)	Transforming growth factor Beta 1 augments calvarial defect healing and promotes suture regeneration	Joseph Losee, MD & Gregory Cooper, PhD	Plastic Surgery
Shestak, Christopher	Validation of the UVA score for predicting good neurological outcome following out-of-hospital cardiac arrest	Clifton Callaway, MD, PhD	Adolescent Medicine
Shterental, Sebastian	Area index as a new tool for diagnosis of arterial pulmonary hypertension	Hunter Champion, MD, PhD, FAHA	Medicine

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Sink, Jacquelyn	Diagnosis of pediatric foreign body aspiration and ingestion	Jeffrey Simons, MD	Pediatric Surgery
Srivastava, Udayan	Lower body lift after massive weight loss: Autoaugmentation vs. no augmentation	Jeffrey Gusenoff, MD	Plastic Surgery
Steen, Talora	Maternal outcomes in patients supplemented with a high protein drink in labor	Manuel Vallejo, MD	Anesthesiology
Steere, Hannah	Factors affecting STH and schistosomiasis infection and implementation of combined mass drug administration in Calatrava, Negros Occidental, the Philippines	Bernard Jonas Macatangay, MD	Infectious Disease
Stone, M. Katherine	Accuracy of assessing signs of AOM in children among medical students, residents and pediatricians	Nader Shaikh, MD, MPH	Pediatrics
Sukato, Daniel	Robotic-assisted vs. laparoscopic hepatectomy: A matched comparison	Allan Tsung, MD	Surgery
Sun, Xiameng (Ellen)	Prediction of histopathologic severity of breast masses by quantitative maximum stiffness on Shear-wave Elastography	Wendie Berg, MD	Radiology
Taylor, Kevin	A study of functional co-activation in the insula and ACC during pain processing, and its applications for functional connectivity	James Ibinson, MD	Anesthesiology
Taylor, Shameeke	Regulation of aquaporin 2 (AQP2) by AMP-activated protein kinase (AMPK) in kidney collecting duct	Nuria Pastor Soler, MD, PhD	Medicine
Tefera, Leben	The effects of coronary artery disease on lung transplantation	Sameer Khandhar, MD	Cardiology
Triplett, Regina (CSTP)	Executive function and connectivity in pediatric epilepsy	Miya Asato, MD	Pediatrics and Psychiatry

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Ukeje, Kenechukwu	Observational study on cognitive impairment and sickle cell disease	Enrico Novelli, MD	Medicine
Vij, Ruchika	Women discuss after-transplant needs and contraceptive experience (DANCE)	Colleen Krajewski, MD	Obstetrics, Gynecology and Reproductive Science
Wang, Nan	Corticosteroids and adrenal insufficiency in childhood cancer	Rakesh Goyal, MD	Pediatrics
Wang, Xiao	Association between HEMS crew member familiarity and performance	Francis Guyette, MD	Emergency Medicine
Williams (Severence), Sarah	Risk factors associated with adverse neurological events in pediatric patients requiring extracorporeal membrane oxygenation (ECMO)	Ericka Fink, MD	Critical Care Medicine
Wolf, Joel	Does information seeking via internet and smartphones predict attitudes towards visiting the dermatologist	Laura Ferris, MD, PhD	Dermatology
Wu, Alexander	Platelet-derived HMGB1 in thrombosis	Michael Lotze, MD	Surgery
Xu, Peter	Efficacy of surgical preparation solutions in hand surgery	John Fowler, MD	Orthopedic Surgery
Younes, Ramee	Association of copy number variations with non-small-cell lung cancer survival	Marjorie Romkes, PhD	Medicine
Zammerilla, Lauren	Abdominal contour deformities after massive weight loss: Classification modification and surgical interventions	Jeffrey Gusenoff, MD	Plastic Surgery
Zhang, Janie	Effect of transient glucocorticoid exposure on neural progenitor/stem cell fate	Donald DeFranco, PhD	Pharmacology
Zhang, Richard	The role of extracorporeal membrane oxygenation in myocardial healing for patients with cardiogenic shock complicating acute myocardial infarction	Christian Bermudez, MD	Surgery

SCHOLARLY PROJECTS 2015

STUDENT	PROJECT TITLE	MENTOR	AFFILIATION
Zhao, Emily	The role of exercise on cognitive function in masters athletes	Vonda Wright, MD	Surgery
Zhong, Diana	Mucosal-associated microbes in neonatal necrotizing enterocolitis (NEC)	Michael Morowitz, MD	Surgery
Zhou, Siwei	Acupuncture for dry age-related macular degeneration	Deepinder Dhaliwal, MD	Ophthalmology

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 translational 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 Translational Science Research winner

Mr. Brian Nolen

Mentor~ Anna Lokshin, PhD, Medicine and Pathology

Project: The use of urine protein biomarkers in the early detection of cancer

4 Year Clinical Science Research winner

Ms. Diane Ling

Mentors~ Dwight Heron, MD; Radiation Oncology

Project: Hospitalizations in patients who receive definite and adjuvant therapy for head and neck cancer (HNC)

5 Year Basic Science Research winner

Mr. Sameer Shakir

Mentors~ Joseph Losee, MD & Gregory Cooper, PhD; Plastic Surgery

Project: Transforming growth factor Beta 1 augments calvarial defect healing and promotes suture regeneration

5 Year Clinical Science Research winner

Ms. Regina Triplett

Mentor~ Miya Asato, MD; Pediatrics & Psychiatry

Project: Executive function and connectivity in Pediatric Epilepsy

SCHOLARLY PROJECT CERTIFICATE OF MERIT AWARDEES

Ms. Priyanka Amin

Mentor~ Judy Chang, MD, MPH; Obstetrics, Gynecology & Reproductive Sciences; Internal Medicine
Project: Physicians' care of sexual assault survivors

Ms. Katherine Chin

Mentor~ Michael Bell, MD; Critical Care Medicine
Project: Effect of administration of neuromuscular blocking agents in pediatric patients with severe traumatic brain injury on acute complication rates and long-term outcomes

Ms. Brittany Dulmage

Mentor~ Larisa Geskin, MD; Dermatology
Project: Three components of the TOX-RUNX3 pathways are differentially expressed in cutaneous T-cell lymphoma

Ms. Polly Fu

Mentor~ Rebecca Thurston PhD; Psychiatry
Project: Reporting of vasomotor symptoms by midlife women

Ms. Stephanie Holt

Mentor~ John Gorcsan, MD; Cardiology
Project: Improvement in prediction of outcomes in heart failure patients using cardiac magnetic resonance and echocardiographic global circumferential strain

Mr. Yoav Karpenshif

Mentor~ Kara Bernstein, PhD; Microbiology & Molecular Genetics
Project: The characterization of human regulators of homologous recombination in a *S. cerevisiae* model system

Ms. Lauren McDaniel

Mentor~ Matthew Neal, MD; Surgery
Project: The use of a massive transfusion protocol in non-trauma patients

Ms. Judy-April Oparaji

Mentor~ Jason Rosenstock, MD; Psychiatry
Project: Healthy Minds Program: A cost-effective method to promote mental health in at-risk minority youth

Ms. Alexa Sabedra

Mentor~ Jon Rittenberger, MD; Emergency Medicine
Project: Changes in neurocognitive function within 3 months post cardiac arrest

Ms. Jacquelyn Sink

Mentor~ Jeffrey Simons, MD; Pediatric Otolaryngology
Project: Understanding and optimizing management of obstructive sleep apnea in infants

Mr. Joel Wolf

Mentor: Laura Ferris, MD, PhD; Dermatology
Project: Does information seeking via internet and smartphones predict attitudes towards visiting the dermatologist?

SCHOLARLY PROJECT FACULTY MENTOR AWARDS

Mentor awards are based on nominations from graduating students.

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

Miya Asato, MD; Associate Professor of Pediatrics and Psychiatry

Judy Chang, MD, MPH; Assistant Professor of Obstetrics, Gynecology and Reproductive Sciences

Jeffrey Gusenoff, MD; Associate Professor of Plastic Surgery

Matthew Neal, MD; Resident in the Department of Surgery

Medical Student Research Mentoring Merit Award

Margaret Conroy, MD, MPH; Assistant Professor of Medicine, Epidemiology and Clinical and Translational Science

Donald DeFranco, PhD; Professor and Vice Chair of Medical Education

Anna Lokshin, PhD; Associate Professor of Medicine and Pathology

Paula Monaghan-Nichols, PhD; Associate Professor of Neurobiology

Satdarshan (Paul) Singh Monga, MD; Professor of Pathology

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 2015. 135 students participated in the Scholarly Project course.

Number of publications = 151

Number of manuscripts submitted = 41

Number of national or state awards = 67

Number of local awards = 56

In addition:

- Students in the class of 2015 were authors on 331 presentations at national and international meetings.
- 104 students participated in research during the summer between their 1st and 2nd years of medical school (2012). 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

Amin, Priyanka

Gelman A, **Amin P**, Pletcher J, Fulmer V, Kukic A, Spagnoletti C. A Standardized Patient Case: A Teen Questioning His/Her Sexuality is Bullied at School. MedEdPORTAL; 2014. Available from: www.mededportal.org/publication/9876

Ayyash, Omar

Ye Jy, **Ayyash OM**, Eskander MS, Kang JD (2014). Control of the Vertebral Artery from a Posterior Approach: A Technical Report. *The Spine Journal*. 14(6), 37-41

Benabou, Kelly

Sachdev, U, Cui, X, McEnaney, R, Wang, T, **Benabou, K**, Tzeng, E. TLR2 and TLR4 Mediate Differential Responses to Limb Ischemia Through MyD88-dependent and Independent Pathways. *PLoS One*. 2012 Nov; 7(11): e50654

Bilan, Victor

Bilan VP, Salah EM, Bastacky S, Jones HB, Mayers RM, Zinker B, Pouch SM, Tofovic SP. Diabetic Nephropathy and Long-term Treatment Effects of Rosiglitazone and Enalapril in Obese ZSF1 rats. *Journal of Endocrinology* 2011;210(3):293-308

Tofovic SP, **Bilan VP**, Mi Z, Jackson EK, Schneider F. Aromatase Inhibition Attenuates and Ovariectomy and 4-Hydroxyestradiol Have Mixed Effects on Development of Angioproliferative Pulmonary Hypertension in Female Rats. *American Journal of Respiratory and Critical Care Medicine* 2013;187:A6099

Lai YC, Tabima DM, **Bilan VP**, Baust J, Tofovic SP, Champion H, Mora AL, Gladwin MT. Nitrite and Metformin Prevent Pulmonary Arterial Hypertension in a Sugen/metabolic Syndrome Rat Model. *American Journal of Respiratory and Critical Care Medicine* 2013;187:A5403

Tabima DM, **Bilan VP**, Lai YC, Baust J, Champion H, Tofovic SP, Gladwin MT. Nitrite is Cardioprotective in an Obese and Pulmonary Hypertensive Rat Model. *American Journal of Respiratory and Critical Care Medicine* 2012;185:A4768.

Tofovic SP, **Bilan VP**, Gladwin MT, Schneider F. Repetitive Hemolysis Induces Severe Angioproliferative Pulmonary Hypertension in Rats. *American Journal of Respiratory and Critical Care Medicine* 2012;185:A1247

Bowles, Austin

Calvert GT, Cummings JE, **Bowles AJ**, Jones KB, Wurtz LD, and Randall RL. 2014. A Dual-center Review of Compressive Osseointegration for Fixation of Massive Endoprosthetics: 2- to 9-year followup. *Clin Orthop Relat Res* 472(3):822-9

Dede O, WT Ward, Bosch PP, **Bowles AJ**, Roach JW. 2014. Using the Free Hand Pedicle Screw Placement Technique in Adolescent Idiopathic Scoliosis Surgery: What is the Incidence of Neurologic Symptoms Secondary to Misplaced Screws? *Spine* 39(4):286-90

Dede O, Bosch PP, **Bowles AJ**, Ward WT, Roach JW. 2014. Clinical Decision Making in Early Wound Drainage Following Posterior Spine Surgery in Pediatric Patients. *Spine Deformity* 2:104-9

Dede O, Motoyama EK, Yang CI, Mutich RL, Walczak SA, **Bowles AJ**, Deeney VF. 2014. Pulmonary and Radiographic Outcomes of VEPTR (Vertical Expandable Prosthetic Titanium Rib) Treatment in Early-Onset Scoliosis. *J Bone Joint Surg* 96(15):1295-1302

PUBLICATIONS

Monument MJ, Bernthal NM, **Bowles AJ**, Jones KB, Randall RL. 2015. What are the 5-year Survivorship Outcomes of Compressive Endoprosthetic Osseointegration Fixation of the Femur? *Clin Orthop Relat Res* 473(3):883-90

Calderon, Luis

Calderon L, Guyette F, Doshi A, Callaway C, Rittenberger J, Service P. Combining NSE and S100B with clinical examination findings to predict survival after resuscitation from cardiac arrest. *Resuscitation* 2014;85(8):1025-1029

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Sabedra, Alexa

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Schott, Trevor

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Shah, Samir

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Horne ZD, Clump DA, **Shah SA**, Vargo JA, Burton SA, Christie NA, Schuchert MJ, Landreneau RJ, Luketich JD, Heron DE. Pretreatment SUVmax as a Marker for Progression-Free Survival in Stage I NSCLC Treated With SBRT. *Pract Radiat Oncol*. 2013 Apr-Jun;3:S3-4

Shakir, Sameer

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Shakir S, MacIsaac ZM, Naran S, Smith DM, Bykowski MR, Cray JJ, Craft TK, Wang D, Weiss LE, Campbell P, Mooney MP, Losee JE, Cooper GM. Transforming Growth Factor Beta 1 Improves Bone Healing and Promotes Suture Regeneration. *Tissue Engineering Part A*. 2015 Mar;21(5-6):939-47 PMID: 25380311

Shakir S, Razzak A, Malik SM. Wrong Turn From Right Quadrant. *Gastroenterology*. 2014 Jan;146(1):323-324. [PMID]: 24269301

Naran S, Zaulan Y, **Shakir S**, Gilula LA, Werner FW, Wollstein R. Radiographic Assessment of Ligamentous Injuries in Distal Radius Fractures after Open Reduction and Internal Fixation. *Eur J Orthop Surg Traumatol*. 2014 Oct;24(7):1151-4 PMID: 24306169

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Srivastava, Udayan

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Steen, Talora

Steen TL, English JC. Oral Minocycline in Treatment of Cutaneous Sarcoidosis. *JAMA Dermatology*. 2013 Jun;149(6):758-60

Vallejo MC, **Steen TL**, Cobb BT, et al. Efficacy of the Bilateral Ilioinguinal-Iliohypogastric Block with Intrathecal Morphine for Postoperative Cesarean Delivery Analgesia. *The Scientific World Journal*, vol. 2012, Article ID 107316 PMID: 23304075

Vallejo MC, Singh S, **Steen TL**, Cobb BT, et al. Maternal Outcomes in Women Supplemented with a High Protein Drink in Labour. *Aust N Z J Obstet Gynaecol*. 2013 Aug;53(4):369-74

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Sukato, Daniel

Sukato, D.C., Tohme, S., Chalhoub, D., Han, K., Amesur, N., Zajko, A., Orons, P., Marsh, J.W., Geller, D.A., Tsung, A. (15 September 2014). The prognostic role of neutrophil-to-lymphocyte ratio in patients with advanced hepatocellular carcinoma treated with radioembolization. *Journal of Vascular and Interventional Radiology* (Accepted 2 February 2015)

Tohme, S., **Sukato, D.C.**, Chalhoub, D., McDonald, K., Amesur, N., Zajko, A., Orons, P., Marsh, J.W., Geller, D.A., Tsung, A. (15 September 2014). Neutrophil-lymphocyte ratio is a simple and novel biomarker for prediction of survival after radioembolization for metastatic colorectal cancer. *Annals of Surgical Oncology* PMID: 25190128

Tohme, S., **Sukato, D.C.**, Gary, N., Zajko, A., Amesur, N., Orons, P., Chalhoub, D., Marsh, J.W., Geller, D.A., Tsung, A. (15 Aug 2014). Survival and tolerability of liver radioembolization: a comparison of elderly and younger patients with metastatic colorectal cancer. *HPB : The Official Journal of the International Hepato Pancreato Biliary Association* 2014 Dec;16(12):1110-6 PMID: 25123597

Tohme, S., **Sukato, D.C.**, Chen, H.W., Amesur, N., Zajko A.B., Humar, A., Geller, D.A., Marsh J.W., Tsung, A. (November 2013). Yttrium-90 radioembolization as a bridge to liver transplantation: a single-institution experience. *Journal of Vascular and Interventional Radiology* 24:1632-1638 PMID: 24160821

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Miura, J., Amini, A., Schmocker, R., Shawnn, N., **Sukato, D.C.**, Winslow, E., Spolverato, G., Ejaz, A., Squires, M., Kooby, D., Maithel, S., Li, A., Wu, M., Sarmiento, J., Bloomston, M., Christians, K., Johnston, F., Tsai, S., Turaga, K., Tsung A., Pawlik, T., Gamblin, T.C. (19 June 2014) Surgical management of hepatic hemangiomas: a multi-institutional experience. *HPB : The official journal of the International Hepato Pancreato Biliary Association*. 2014 Oct;16(10):924-8. PMID: 24946109

Wang, Nan

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Wolf, Joel

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Xu, Peter

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Zammerilla, Lauren

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Yilmaz S, Ozolek JA, **Zammerilla LL**, Fitz CR, Grunwaldt LJ, Crowley JJ. Neurofibromas With Imaging Characteristics Resembling Vascular Anomalies. *AJR. American Journal Of Roentgenology*. Dec 2014;203(6):W697-705

Zhang, Janie (Yue)

Sharek DE, Zuley ML, **Zhang JY**, Ahrendt GM, Soran A, Ganott MA. Radioactive Seed Localization Versus Wire Localization for Lumpectomies: A Comparison of Outcomes. Accepted for publication in *Am J Roentgen*, September 2014

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Zhao, Emily

Zhao E, Tranovich MJ, Wright VJ. The Role of Mobility as a Protective Factor of Cognitive Functioning in Aging Adults: A Review. *Sports Health: A Multidisciplinary Approach*. 2014 January 1, 2014;6(1):63-9

Zhong, Diana

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Zhong D, Brower-Sinning R, Firek B, Morowitz MJ. Acute appendicitis in children is associated with an abundance of bacteria from the phylum Fusobacteria. *Journal of Pediatric Surgery*. 2014 Mar; 49(3): 441-446

MANUSCRIPTS SUBMITTED

Alger, Mikeala

Mikaela Alger, Valerie Stallworth, MPH, John Blosnich, PhD, Jennifer Williams, MSN, RN, Elizabeth J. Mason, MPH, RN, Adam J Gordon, MD, MPH Characteristics of Mental Illness of Urban Homeless: Is Homeless Severity Associated with Depression and Suicidality? Submitted to *American Journal of Community Psychology*

Ayyash, Omar

Dangle P, **Ayyash O**, Stephany H, Cannon G, Schneck F, Ost M. What is the Spontaneous Stone Passage Rate in Prepubertal Children? Submitted to *Journal of Urology*, 2015

Bilan, Victor

Bilan VP, Schneider F, Kohler MT, Shiva S, Morris SM, Gladwin MT, Jackson EK, Tofovic SP. Experimental Intravascular Hemolysis Induces Hemodynamic and Pathological Pulmonary Hypertension - Association with Increased Plasma Adenosine Deaminase Activity. *Pulmonary Circulation*

Binks, Joshua

Binks J, Horne ZD, Quan K, Clump DA. Multi-Lesion, left-sided, single isocenter radiosurgery treatment in a patient with a pacemaker. Submitted to *Applied Radiation Oncology*.

Chung, Jeffrey

Chung J, Smith A, Hughes, SC, Niizawa G, Abdel-Hamid HZ, Naylor EW, Hughes T, Clemens, PR. 20-year Psychosocial Follow-up of the Impact of Newborn Screening on Patients Diagnosed with Duchenne Muscular Dystrophy and their Parents. Submitted to *Muscle Nerve* in 2015

Dhar, Abhishek

Dhar A, Steere HK, Sink JR, Perez M, Tran T, Macatangay BJC, Belizario VY. Factors Underlying Soil Transmitted Helminth And Schistosomiasis Infections in Calatrava, Negros Occidental, Philippines. Submitted to *PLOS-Neglected Tropical Diseases*. 2015

Dixit, Ronak

Dixit RB, Hodnett BL, Kim SW. Perineural Invasion in Head and Neck Squamous Cell Carcinoma. Submitted to *Head & Neck*.

Dixit R, Kemp C, Kulich S, Seethala R, Ha P, Duvvuri U. TMEM16A is a Therapeutic Target in HPV-negative, But Not HPV-positive, Head and Neck Squamous Cell Carcinoma. Submitted to *Nature Communications*. 2014 Sep

Dixit R, Otteson T. The Impact of Mandibular Distraction Osteogenesis on Swallowing Function in Patients with Pierre Robin Sequence. Submitted to *Dysphagia*. 2014 Aug

Duerr, Eric

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Muller B, **Duerr E**, Tranovich M, Irrgang JJ, Van Dijk CN, Fu FH. Anatomic Anterior Cruciate Ligament Reconstruction- Reducing Anterior Tibial Subluxation. Submitted to *Orthopaedic Journal of Sports Medicine*, January 2015

Dulmage, Brittany

Dulmage BO, Vu Jr, Falo, Jr. LD & Geskin LJ. Three Components of the TOX-RUNX3 Pathway are Differentially Expressed in Cutaneous T-cell Lymphoma. Submitted 2015 Feb 13 to *British Journal of Dermatology*

MANUSCRIPTS SUBMITTED

Goodheart, Anna

Goodheart AE, Tamburo E, Minhas D, Aizenstein HJ, McDade E, Weissfeld LA, Snitz BE, Price JC, Mathis CA, Lopez OL, Klunk WE, Cohen AD. Reduced Binding of Pittsburgh Compound B in Areas of White Matter Hyperintensities. Submitted to *NeuroImage*, February 2015

Grady, Cynthia

Grady C, Dehlendorf C, Cohen E, Schwarz EB, Borrero S. Racial and Ethnic Differences in Contraceptive Use Among Women who Desire No Future Children, 2006-2010 National Survey of Family Growth. *Contraception*

Huynh, Leticia

Huynh LX, Salcido DD, Koller AC, Menegazzi JJ. Relationship Between Time to Drug Administration and Outcomes during Out-of-Hospital Cardiac Arrest. In revision for *Resuscitation*.

Jimenez-Bacardi, Adria

Carcillo JA, Sward K, Halstead S, Telford R, **Jimenez-Bacardi A**, Taylor M, Nguyen T, Hall M, Aneja R, Tamburro R and Eunice Kennedy Shriver. National Institutes of Health and Child Development Collaborative Pediatric Critical Care Research Network and Collaborating Investigators. A C-reactive Protein and Ferritin Based Systemic Inflammation Mortality Risk Assessment Tool for Pediatric Severe Sepsis. Submitted to *Lancet*.

Carcillo JA, Halstead S, **Jimenez-Bacardi A**, Hall M, Nguyen T, Telford R, Aneja R, Tamburro R, Eunice Kennedy Shriver National Institutes of Child Health and Development Collaborative Pediatric Critical Care Research Network and Collaborative Colleagues. A Spectrum of Inflammation Phenotypes is Associated with Sepsis Induced Multiple Organ Failure Outcomes in Children. Submitted to *American Journal of Respiratory and Critical Care Medicine*.

Jochum, John

Jochum JR, Begley A, Dew MA, Weiner DK, Karp JF. Advancing the Screening of Fibromyalgia in Late-Life Depression: Practical Implications for Psychiatric Settings, *International Psychogeriatrics*

Kamprath, Sagar

Kamprath S, Glick R, Lane B, Morone NE. Effects of Mindfulness Meditation on Blood Pressure and Heart Rate Variability in Older Adults Suffering from Chronic Lower Back Pain. *Journal of Evidence-Based Complementary and Alternative Medicine*

Knox, Jordan

Elbin R., **Knox J.**, Kegel N., Lowder H., French J., Burkhart S., Collins M., Kontos A. Assessing Concussion Symptoms in Youth Athletes: A Comparison of Four Different Approaches. *Journal of the International Neuropsychological Society*. Submitted

Leef, George

Qin D, **Leef GC**, Alam MB, et al. Patient Outcomes According to Adherence to Treatment Guidelines for Rhythm Control of Atrial Fibrillation. Submitted to *Journal of the American Heart Association*

Ling, Diane

Ling DC, Hess C, Chen AM, Daly ME. Comparison of Toxicity Between Intensity-Modulated Radiation Therapy and 3-Dimensional Conformal Radiotherapy for Locally Advanced Non-Small Cell Lung Cancer. *J Thorac Oncol*

Liu, Mona

Kim JH, **Liu M**, Jabbour N. Cloud-based Digital Library for Health Professionals in Training. *Journal of Graduate Medical Education*. Submitted Jan 2015

MANUSCRIPTS SUBMITTED

McCloskey, Karen

Sharma RB, O'Donnell AC, Stamateris RE, Ha B, **McCloskey KM**, Reynolds PR, O'Donnell CP, Alonso LC. Homeostatic Control of Pancreatic Beta Cell Proliferation by Insulin Demand Through the Unfolded Protein Response. *Journal of Clinical Investigation* – submitted for review January, 2015

Nunez, Eduardo

Nunez ER, Schenker Y, Joel ID, Reynolds CF, Dew MA, Arnold RM, Barnato AE. Acutely-bereaved Surrogates' Stories about the Decision to Limit Life Support in the ICU. Submitted to *Critical Care Medicine*

Pendleton, Kelsey

Van Allen EM, Lui VW, Johnson JT, Duvvuri U, Bauman JE, Stansky N, Goetz EM, **Pendleton KP**, Li H, Wang L, Chiosea S, Close D, Johnston P, Zeng Y, Wagle N, McKenna A, Carter SA, Golub TR, Getz G, Mills GB, Garraway LA, Grandis JR. Exceptional response to brief erlotinib in a locally advanced head and neck tumor with a somatic *MAPK1* mutation

Rao, Anjali

Christopher Roser Jones, MD; Sameer Khandhar, MD; Mohun Ramratnam, MD; Suresh R. Mulukutla, MD; Oscar C. Marroquin, MD; **Anjali Rao**, BA; Anson J. Conrad Smith, MD; Koji Kato, MD PhD; Ik-Kyung Jang, MD PhD; Catalin Toma, MD Identification of Intrastent Pathology Associated with Late Stent Thrombosis Using Optical Coherence Tomography. Submitted to *Journal of Interventional Cardiology*

Reiser, Caroline

Caroline J. Rieser BSc¹, Michael D. House MD², Rebecca S. Moreci BSc¹, Pancharatnam Jeyasuria PhD^{3*}, Jennifer C. Condon PhD^{3*}. Caspase 3 Activation in the Pregnant Cervix and its Potential Role in Peripheral Nerve Innervation. *PLoS One*

Rhieu, Byung

Ashwin Shinde, Hebi Berhane, **Byung Han Rhieu**, Ronny Kalash, Karen Xu, Julie Goff, Michael W. Epperly, Darcy Francicola, Xichen Zhang, Tracy Dixon, Donna Shields, Hong Wang, Peter Wipf, Kalindi Parmar, Eva Guinan, Valerian Kagan, Vladimir Tyurin, Robert L. Ferris, Xiaolan Zhang, Song Li, and Joel S. Greenberger Intraoral Mitochondrial-Targeted GS-Nitroxide, JP4-039, Radioprotects Normal Tissue in Tumor-Bearing Radiosensitive Fancd2^{-/-} (C57BL/6) Mice. *Radiation Research*

Shah, Rahul

Suffoletto BP, Miller T, **Shah RP**, Callaway C, Yealy DM. Does the Identification of Seniors at Risk (ISAR) Tool Identify Elderly Who Return to the Hospital Within 30 days of Emergency Department Care? *Emergency Medicine Journal*, 2015

Shah, Samir

Chakraborty N, **Shah SA**, Moroi SE. Anterior Segment Scleral Structures Associated with Angle Surgery Outcomes Using the Microcatheter. Submitted to *JAMA Ophthalmology* on 2/13/2015

Shakir, Sameer

Afroz PN, **Shakir S**, James I, Rubin JP, Gusenoff JA. Dynamics of Gluteal Cleft Morphology in Lower Body Lift: Predictors of Unfavorable Outcomes

Bykowski MR, **Shakir S**, Smith DM, Naran S, Gaines B, Squires J, Losee JE. A Pediatric Tertiary Referral Center's Experience with Man's Best Friend: Presentation, Management, and the Implications for Dog and Owner

MANUSCRIPTS SUBMITTED

MacIsaac ZM, Henderson SE, Nayar HS, **Shakir S**, Naran S, Smith DM, Cray JJ, Mooney MP, Cooper GM, Almarza AJ, Losee JE. Long-term Biomechanical Properties of Bone Morphogenetic Protein Regenerated Bone in Favorable and Unfavorable Calvarial Wounds

MacIsaac ZM, **Shakir S**, Naran S, Cray JJ, Smith DM, Kubala AA, Kinsella CR, Mooney MR, Cooper GM, Losee JE. Repair of a Complicated Calvarial Defect: Reconstruction of a Wound Complicated by Durectomy and Infection

Sink, Jacquelyn

Sink JR, Bunimovich O. A Case of Diffuse Facial Skin-colored Smooth Papules in a Young Woman Treated Successfully with Isotretinoin. *JAMA Dermatol.* 2014 Nov

Steen, Talora

Steen TL, Ravin KA, Timmons SD, Krishenovich A. Intracranial Injuries from Dog Bites in Children. *J Neurosurg Pediatr* (under review)

Wang, Xiao

McHugh SM, **Wang X**, Sullivan EA. Diagnosis of Cardiac Tamponade Following Induction of Anesthesia for Suspected Testicular Torsion. *Annals of Cardiac Anesthesia*

Wolf, Joel

Wolf JA, Moreau JF, Patton TJ, Winger DG, Ferris LK. Prevalence and Impact of Internet and Smartphone Use for Healthcare Information Among Dermatology Patients. Submitted 1-15-2015 *Cutis*

Wu, Alexander

Vogel S, Bodenstern R, Feil S, Feil R, Bohn E, Frick J, Markel J, **Wu A**, Chen Q, Csanyi G, Pagano P, Loughran P, Zuckerbraun B, Bullock G, Billiar T, Lotze M, Gawaz M, and Neal M. Platelet-derived HMGB1 is a Critical Mediator for Thrombosis, *Science Translational Medicine*

Zhang, Janie (Yue)

Peffer ME, **Zhang JY**, Umfrey L, Rudine AC, Monaghan-Nichols AP, DeFranco DB. The Impact of Antenatal Therapeutic Synthetic Glucocorticoids on the Developing Fetus. Submitted for publication to *Mol Endocrinol*, February 6, 2015

NATIONAL AND STATE AWARDS

Amin, Priyanka

2011-2012 National Institute of Mental Health (NIMH) Medical Student Fellow, under Research Education Grant 2R25MH054318, fellowship completed in Pittsburgh, PA

Babalola, Kathleen

2012 American Society of Clinical Oncologists Medical Student Rotation Grant

Benabou, Kelly

2012 T35 Training Grant from the National Institute of Diabetes and Digestive and Kidney Diseases

Bilan, Victor

2012 NIH T35 Training Grant in Endocrinology

Binks, Joshua

2014 Won December Applied Radiation Oncology Case Contest titled: Multi-Lesion, left-sided, single isocenter radiosurgery treatment in a patient with a pacemaker

Calderon, Luis

2013 American Heart Association Fellows Research Day

Caparosa, Ellen

FDA-IND No. 118451. The Effects of Minocycline on Neuroimaging Findings and Cognitive Function after Carotid Revascularization

Chen, Leo

2013 American Association of Immunologists Trainee Abstract (Travel) Award

2013 IFReC/SIgN International School of Advanced Immunology Travel Award

Chen, Stephanie

University of Pittsburgh Dept of Neurological Surgery Chairman's Grant

University of Pittsburgh Medical Alumni Summer Enrichment Program Award

Cohen, Adam

ASH Abstract Achievement Award 2012

NIH T35 Grant for Hematology/Oncology Research

Cohen, Sarah

2013 Junior Investigators Best Abstract in Clinical Research Semifinalist, Cystic Fibrosis Foundation

Cutler, Jessica

2014 American Heart Association – Young Investigator Award

Dhar, Abhishek

2012 Infectious Diseases Society of America (IDSA) Medical Scholars Program

Dixit, Ronak

2014 third place poster award at the Triological Society meeting as part of the Combined Otolaryngology Spring Meetings (COSM) for the role of HER3 in perineural invasion by head and neck squamous cell carcinoma

NATIONAL AND STATE AWARDS

Duff, Kyle

2012 T32 Summer Program in Sleep Medicine, Western Psychiatric Institute and Clinic, Pittsburgh, PA

Dulmage, Brittany

Howard Hughes Medical Institute Medical Fellows Program

American Dermatological Association Medical Student Grant

Duvet, Mildred

2014 North American Forum on Family Planning Partners Committee Scholarship

2014 The Albert Schweitzer Fellowship, Awarded

Fu, Polly

Cardiovascular Behavioral Medicine Training Grant NIH T32 HL 007560

Gillum, Megan

2013 Best Early Investigator, American Association of Geriatric Psychiatry annual meeting

Goodheart, Anna

University of Pittsburgh Training for Transformative Discovery in Psychiatry (T32 training grant, National Institute of Mental Health)

Haas, Matthew

2014 Poster Grand Rounds at AAP Annual Meeting in Nashville, TN

Haberman (Holt), Stephanie

2011 American Heart Association, Great Rivers Affiliate: Cardiology Fellows Research Day: First Prize Clinical Science

2010 American Heart Association Fellowship Summer 2010

Jochum, John

Traineeship in M-STREAM program: Medical Student Training and Research Experience in Aging and Mental Health

Kamprath, Sagar

NIH T35 Training Grant in Integrative, Complementary & Alternative Medicine

Kim, Jocelyn

2012 National Institute of Health Ruth L. Kirschstein National Research Service Award Short-Term Institutional Research Training Grant (Parent T35) (Trainees in Health Professional Schools), Role: Principal Investigator

Langmann, Gabrielle

2014 Travel Award/Stipend, American Geriatrics Society (given to authors of the top 25 student-submitted abstracts for the 2014 Annual Meeting)

2012 Funding for intensive summer research in geriatrics via NIH T32 AG021885 (PI: Dr. Stephanie Studenski)

Li, Allen

2013 NIH T35 Training Grant

Liu, Mona

2014 SENTAC meeting. First place poster award

NATIONAL AND STATE AWARDS

Lott, Margaret

ACSM Leadership Diversity Training Program

Lu, Bonnie

2012 NIH-T35 NCCAM Training Grant. Training grant for 10 weeks of research

Lu, Shu

2012 Foundation of Anesthesia Education and Research Summer Scholar

2014 Young Investigator Award, Joint International Congress of the International Liver Transplantation Society

McCloskey, Karen

NIH-sponsored T35 training grant funded by NIDDK (National Institute of Diabetes and Digestive and Kidney Diseases) to support medical student summer research in the areas of renal and epithelial cell biology, endocrinology and diabetes, digestive diseases and hepatology. This grant was used to fund my summer research with Dr. Alonso on pancreatic beta cell proliferation and the unfolded protein response

Nakajima, Erica

Delegate (selected from roughly 140 HHMI Medical Fellows) to the International Achievement Summit hosted by the Academy of Achievement, San Francisco, CA, 2014

2012-2013 Howard Hughes Medical Institute (HHMI) Medical Fellow

2013 Seahorse Bio Travel Award to present at AACR-SNMMI Joint Conference on State-of-the-Art Molecular Imaging in Cancer Biology and Therapy. San Diego, CA

Narendra, Divya

2014 National Eye Institute travel grant to attend the ARVO national conference, Orlando, FL

Nwachuku, Enyinna

2012 National Institute of Mental Health - 2R25 MH054318 Grant

2012 - 2013 Student National Medical Association-Physician Research Initiative Fellow

Nwadiuko, Joseph

2012 Second place, abstract competition, Distinguished Nigerian Physicians of Tomorrow National Conference for Giving Back: A survey of US-based Nigerian Physicians Examining Factors Influencing Reengagement with Nigerian Healthcare Remigration to Nigeria

O'Neil, Elizabeth

2014 Scholarship to attend the Family Medicine Education Consortium NE Regional Meeting

Oparaji, Judy-April

9/2013 – 9/2014 Helping Hands Grant

9/2012 - 9/2013 American Psychiatric Foundation

NATIONAL AND STATE AWARDS

Pendelton, Kelsey

2013-present NIH T32 Training Fellowship, Otolaryngology research

2011 1st place in Cancer Biology, American Medical Association Medical Student Section Research Symposium Poster Award, Annual American Medical Association meeting

2011 NIH T35 Training Grant, Hematology/Oncology research

Pfoff, Marissa

NIH T32 HL0862610 training grant (Translational Research Training in Sleep Medicine, Dr. Daniel J. Buysse, MD, Training Director)

Phillips, Jaelyn

2014 Family Medicine Education Consortium Northeast Regional Conference Scholarship

2015 Futures without Violence Peter John Sawires Memorial Scholarship

Puyana, Salomon

2012-2013 Jonas Salk Fellowship

Raymond, Dahlia

2012 Young Investigator Travel Award - International Society for the Study of Hypertension in Pregnancy

Rhieu, Byung

2011 NIH sponsored T35 training grant (DK065521) for summer research (liver pathology laboratory project)

Romero, Cynthia

NIH T-35 Summer Training Grant

Shakir, Sameer

Owen Memorial Scholarship for Best Junior Investigator Presentation. 12th International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies Bioprinting to Enhance the Clinical Utility of BMP-2 (co-authored with Smith DM)

2011 Alpha Omega Alpha Carolyn L. Kuckein National Student Research Award. Transforming Growth Factor Beta 1 Improves Bone Healing and Promotes Suture Regeneration. \$6,000 grant

Taylor, Kevin

IARS Best of Conference Research Presentation

2013 IARS Best of Conference Finalist (Abstract)

Taylor, Shameeke

2011 International Studies Fund Award

2011 Ruth Crawford Mitchell Award for International Research

2013 Beth Israel Deaconess Medical Center Department of Nephrology Research Award

Zammerilla, Lauren

2013 Northeastern Society of Plastic Surgeons Best Basic Science Award

LOCAL AWARDS

Amin, Priyanka

2011 University of Pittsburgh Graduate School of Public Health Dean's Research Award

Bernard, Heather

Career Education and Enhancement for Health Care Research Diversity (CEED) II Program Fellowship Grant

Calderon, Luis

2012 Arthur Mirsky Award for Clinical Investigation

Caparosa, Ellen

Walter L. Copeland Fund of the Pittsburgh Foundation Grant Awarded for Analysis of the Molecular Characteristics of the Carotid Plaque

Physician Scientist Training Program Research Fellow, 05/01/12 – 05/01/13

Chen, Stephanie

2012 Summer Research Project Certificate of Merit Award

Chin, Katherine

2013 University of Pittsburgh Graduate Student Association Conference Travel Grant

2013 University of Pittsburgh School of Medicine Student Executive Committee Travel Grant

Cohen, Sarah

2012 Arthur Mirsky Award for clinical investigation (2012), University of Pittsburgh School of Medicine

Dhar, Abhishek

2012 UPSOM Medical Alumni Association (MAA) Summer Enrichment Program

Dixit, Ronak

2011 Arthur Mirsky Award for Outstanding Clinical Research Award in the Dean's Summer Research Project (Psychopathology of Patients with Psychogenic Nonepileptic Spells)

Duvet, Mildred

2013-2014 Career Education and Enhancement for Health Care Research Diversity Program (CEED II)-Research Fellow

Evans, Megan

1st place at the 2012 Summer Student Research Poster Day at Children's Hospital of Pittsburgh

Fang, Nancy

2013-2014 Pittsburgh Schweitzer Fellows Program, Environmental Fellow

Medical Alumni Association Scholarship, \$3500 (Travel grants to investigate intrauterine device acceptability in Haiti and to participate in a medical elective in northern India)

Grady, Cynthia

2011 First Place Runner Up for the Young Investigator Award, Gateway Medical Society Annual Provider Symposium

2014 Clinical Scientist Training Program Scholarship, Univ. of Pittsburgh School of Medicine

LOCAL AWARDS

2012 Career Education & Enhancement for Health Care Research Diversity (CEED) Grant for Medical Students Research Initiatives, University of Pittsburgh Institute for Clinical Research and Education

Haas, Matthew

2014 Poster Grand Rounds at Rehabilitation Institute Research Day in Pittsburgh, PA

Huang, Bernice

Alumni Summer Enrichment Program

Global Health Travel Scholarship

University of Pittsburgh International Studies Fund

Hudak, Stephen

Intrahepatic Chemoembolization on Tumor Necrosis in HCC Patients

Huynh, Leticia

2012 Dean's Summer Research Merit Award

Karpenshif, Yoav

2012 Stephen Phillips award for Outstanding Bio-medical Science Research

Kensler, Caroline

2012 Dean's Year-off Fellowship Recipient

Langmann, Gabrielle

2014 David C. Martin Award, Pennsylvania Geriatrics Society, Western Division (funding for attendance at the 2014 American Geriatrics Society Annual Meeting)

2013 David C. Martin Award, Pennsylvania Geriatrics Society, Western Division (funding for attendance at the 2013 American Geriatrics Society Annual Meeting)

Leef, George

Merit Award for Dean's Summer Research Symposium Project

Ling, Diane

University of Pittsburgh School of Medicine Certificate of Merit for Excellence in Biomedical Science Research

Lott, Margaret

Career Education and Enhancement for Health Care Diversity (CEED II) Program

Lu, Shu

2012 University of Pittsburgh Dean's Summer Research Merit Award

Martz, Rebecca

2012 Klionsky Fellowship for Pathology Research, University of Pittsburgh Medical Center, Department of Pathology, Pittsburgh, PA

Nakajima, Erica

2012 Second prize for poster presentation in Translational Research Category at UPCI Retreat; Pittsburgh, PA

2012 Poster presentation award at the UPCI Regional Translational Research in Mitochondria, Aging, and Disease; Pittsburgh, PA

LOCAL AWARDS

Nunez, Eduardo

David C. Martin Award for Academic Excellence in the Field of Geriatric Medicine from the Pennsylvania Geriatrics Society Western Division

Nwadiuko, Joseph

2012 University of Pittsburgh CTSI CEED Research Grant (\$5,000) (A Quantitative Study of the Healthcare Contributions of Expatriate Nigerian Physicians)

2011 Best presentation –Medical Student, Gateway Medical Society, for A survey of US-based Nigerian Physicians Examining Factors Influencing Permanent Remigration to Nigeria

O'Neill, Elizabeth

2013 Scholarly Project Conference Funding

Plonka, Caitlyn

Certificate of Merit of Excellence in Clinical Science Research (2012). Serum Norepinephrine in Children with Palliated Single Ventricle Cardiac Defects. Dean's Summer Research Program, University of Pittsburgh School of Medicine

Puyana, Salomon

James W. Knox Memorial Award (Nationality Room Scholarship)

Raymond, Dahlia

Dean's Summer Research Award- Certificate of Merit for Excellence in Biomedical Science Research

Rieser, Caroline

2011 Dean's Summer Research Merit Award for Excellence in Biomedical Research

Rhieu, Byung

2011 Merit Award at the Dean's Summer Research Program Symposium (liver pathology laboratory project)

Dean's Year-off Fellowship (Radiation Oncology laboratory research)

Rocco, Joseph

Honorable Mention - Patel A, **Rocco JM**, Veldkamp P, A Toxoid Diagnosis in the Modern World: Characteristic Findings of Tetanus, 2014, SGIM Shadyside Conference, Poster Presentation

Schott, Trevor

2012 Excellence in Biomedical Science Research – Deans Summer Research Symposium

Shakir, Sameer

Winner, Best Clinical Presentation. UPMC Department of Plastic Surgery Resident Research Day Symposium, June 2014. Components Separation for Abdominal Wall Reconstruction: The Pitt Experience, A Review of 605 Cases (co-authored with Naran S)

Winner, Best Basic Science Presentation. 30th Annual Meeting of the Northeastern Society of Plastic Surgery, September 2013. Calvarial Reconstruction with BMP-2: Concomitant Treatment with Vone Marrow Cells (co-authored with MacIsaac ZM)

Winner Best Clinical Science Presentation. UPMC Department of Plastic Surgery Resident Research Day Symposium, June 2013. Components Separation for Abdominal Wall Reconstruction: The Pittsburgh Experience, A Review of 311 Consecutive Single Surgeon Cases (co-authored with Naran S)

LOCAL AWARDS

Winner, Best Basic Science Presentation. 56th Annual Meeting of the Ohio Valley Society of Plastic Surgeons, May 2013.
Bioprinting Tissue Engineered Intramembranous Bone Constructs (co-authored with Smith DM)

Shterental, Sebastian

CSTP Fellowship

Steere, Hannah

Nationality Room Scholarship

Taylor, Shameeke

2012 Dean's Summer Research Grant (2011). Gateway Medical Society Scholarship

Zammerilla, Lauren

2012 Dean's Summer Research Symposium Certificate of Merit

Zhang, Janie (Yue)

2012 Stephen Phillips Award for Dean's Summer Research Project

Scholarly Project Deans:

Donald DeFranco, PhD
Associate Dean for Medical Student Research
Department of Pharmacology and 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 and 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, PT, PhD
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