

# HENRY J. N. TAUB & JAMES K. ALEXANDER

## MEDICAL STUDENT RESEARCH SYMPOSIUM

### PAST HENRY J.N. TAUB YOUNG INVESTIGATOR AWARD RECIPIENTS (2008 - present)

#### 2022 Awardees

##### Basic Science Research

###### **1st Place - Andy Yu**

TANGO2 Disease Patient iPSC-Cardiomyocytes Show Multiple Channel Abnormalities  
Co-Authors: Weiyi Xu and Lilei Zhang

##### Educational Research

###### **1st Place (Tie) - Paul Holden, Sydney Schmitt, Rosemary Demet**

Let's Talk About it: Enhancing Patient-centered Education Skills in Medical Students  
Co-Authors: Grace Reynolds, Natalie Nguyen, Kyle Liu, Sophia Huang, and Anjali Aggarwal

###### **1st Place (Tie) - Emma Keeney, Bharath Ram, Benjamin Ho-Shing**

Assessing and Addressing Medical Student Knowledge Gap of Pain Management and Palliative Care  
Co-Authors: Rashmi Rode and Anjali Aggarwal

###### **2nd Place - Olivia Hinder, Rachel Wanser**

Managing the Atopic Triad (Project MAT): an Educational Intervention for Parents  
Co-Authors: Tara Everett, Sidra Deen, Anjali Aggarwal, Rashmi Rode, and D'Juanna White Satcher

##### Clinical Science Research

###### **1st Place - Adrish Anand**

A Machine Learning Approach to Identifying the Manufacturer of Pedicle Screw and Rod Spinal Hardware Systems  
Co-Authors: Ron Gadot, Malcolm F. McDonald, Alex Flores, David S. Xu, and Alexander E. Ropper

###### **2nd Place (Tie) - Albert Han**

Pose-Detection Based Neural Network for Patient-specific Seizure Detection  
Co-Authors: Zulfi Haneef and Brandon Brown

###### **3rd Place (Tie) - Anshul Bhatnagar**

Effect of Hospital-related Factors on Pediatric Appendectomy Outcomes  
Co-Authors: Sean Mackman, Sam Thalji, and Sean Mackman

###### **3rd Place (Tie) - Kristen Brown, Nicole Weber**

Effect of Intracameral Phenylephrine and Ketorolac on Surgical Time, Need for Pupil Expansion Device, and Fentanyl Use in Cataract Surgery  
Co-Authors: Stephen Yoon and Sumitra Khandelwal

###### **3rd Place (Tie) - Philip Zhou**

Diagnostic Accuracy of Trained Image Graders in Screening for Retinopathy among Youth with Diabetes  
Co-Author: Loah Eltemsah, Mohzdeh Bahranian, Laura Prichett, TY Alvin Liu, Risa M. Wolf, and Roomasa Channa

###### **4th Place (Tie) - Ava Berrier**

Characterizing the Joint Phenotype in Ontogenesis Imperfecta Type V  
Co-Authors: Maegen Wallace, Alicia Turner, Sandesh Nagamani, Ronit Marom, and Brendan Lee

###### **4th Place (Tie) - Eric Ho**

Weight-Loss, Exercise, or Both on Biological Age and Healthy Aging in Older Adults with Obesity  
Co-Authors: Dennis T. Villareal and Clifford Qualls

###### **4th Place (Tie) - David A Hsiou, Pablo Coello**

Impact of Knee Osteoarthritis Management Perceptions on Clinical Recommendations  
Co-Author: Mohamad J. Halawi

###### **4th Place (Tie) - Stephanie S. Keeling**

Do Patients with Autoimmune Conditions have Less Access to Liver Transplantation Despite Superior Outcomes?  
Co-Authors: Cameron R. Goff, Caroline R. Christmann, and Abbas Rana

## Most Popular Poster Award

### **Anusha Gandhi**

Prospective, Longitudinal Assessment of Lymphedema-related Quality of Life among Patients with Locally Advanced Breast Cancer

Co-Authors: Tianlin Xu, Sarah M. DeSnyder, Grace L. Smith, Ruitao Lin, Carlos Barcenas, Michael C. Stauder, Karen E. Hoffman, Eric A. Strom, Susan Ferguson, Benjamin D. Smith, Wendy A. Woodward, George H. Perkins, Melissa P. Mitchell, Chelain R. Goodman, Melissa Aldrich, Marigold Travis, Susan Lilly, Isabelle Bedrosian, and Simona F. Shaitelman

## 2021 Awardees

### Basic Science Research

#### **1st Place – Cynthia Truong**

Epidermal Stem Cell Dysfunction Underlies Impaired Wound Repair in Aged Skin

Co-Authors: Yuxuan Miao, Rachel Niec, Shiri Gur-Cohen, Katie Stewart, and Elaine Fuchs

### Educational Research

#### **1st Place (Tie) – Kaelyn C. Cummins, Katherine M. Naeger**

Medical Student Engagement with the COVID-19 Pandemic is Increased through Participation in a Pre-Clinical Elective

Co-Authors: Prathit A. Kulkarni

#### **1st Place (Tie) – Gillean Kelly**

Teaching High-value Care in the Clinical Undergraduate Medical Curriculum

Co-Authors: Anjay Batra, Jocelyn Greely, Doris Kung, Andrew Caruso, Navdeep Sekhon, William Huang, Stacey Rose, Nadia Ismail, and Christine Roth

#### **1st Place (Tie) – Amelia Khoei, Niki Iranpour, Amber Song**

Populations at Risk: Introducing Social Determinants of Health and Advocacy Training to First-Year Medical Students

Co-Authors: Trevor Hadley, Apoorva Thatavarty, Christopher Demetriades, Yuanyuan Zhou, Nital Appelbaum, Andrea Stolar, Joseph Kass, and Edward Poythress

### Clinical Science Research

#### **1st Place – Daniel Rodricks**

Visual Outcomes of Open Globe Injury Patients with Traumatic Cataracts

Co-Authors: Asad Loya, Mohamed Mohamed, and Zaina Al-Mohtaseb

#### **2nd Place (Tie) – Marisa Hudson**

Discontinuation of Contact Precautions in patients with Hospital-Acquired MRSA and VRE Infections during the COVID-19 Pandemic – a Multicenter Experience

Co-Authors: Mayar Al Mohajer

#### **2nd Place (Tie) – Poornima Tamma**

Total Intravenous Anesthesia Compared to Traditional General Anesthesia in Shoulder Arthroscopy in the Beach Chair Position

Co-Authors: Lindsay Barrera, Anup Shah, and Behnam Sharareh

#### **3rd Place (Tie) – Albert Han**

Machine Learning Algorithm for Differentiating Epileptic and Non-epileptic Seizures

Co-Authors: Lauren Nakhleh, Steven Fussner, and Zulfi Haneef

#### **3rd Place (Tie) – Sydney Wendt**

Comparison of Five-Year Graft Survival Following Keratoplasty in the Veteran Position

Co-Author: Sumitra Khandelwal

#### **4<sup>th</sup> Place (Tie) – Arin Drtil**

Mortality After Revision Total Hip Arthroplasty

Co-Author: Mitzi S Laughlin, Emily Vidal, Ugonna N Ihekweazu, Robin N Goytia, Vasilios Mathews, and Anay R Patel

#### **4<sup>th</sup> Place (Tie) – Maya Guhan**

Challenges and Opportunities for Scaling up Infection Prevention and Control Programs in Rural District Hospitals of Tamil Nadu, India

Co-Authors: Mohan Kumar, Zachary Butzin-Dozier, and Jay Graham

## 2020 Awardees

### Basic Science Research

#### **1st Place – Sricharan Gopakumar**

Stem Cell Delivery of Oncolytic Adenovirus DNX-2401 Following Surgical Resection for the Treatment of Glioblastoma in a Murine Model

Co-Authors: Joy Gumin, Marc Daou, Daniel Ledbetter, Malcolm McDonald, Anwar Hossain, Brittany Parker-Kerrigan, Shawn Hingtgen, Matthew Ewend, and Frederick F. Lang

#### **2nd Place – Emilie A. K. Warren**

The Chicken Chorioallantoic Membrane (CAM): A Platform for Assessing the *in vivo* Efficacy of Chimeric Antigen Receptor (CAR)-T Cell Therapy in Head and Neck Cancer

Co-Authors: Kershena S. Liao, Hsuan-Chen Liu, Caroline E. Porter, Masataka Suzuki, and Andrew G. Sikora

### Educational Research Research

#### **1st Place – Richa Lavingia**

Teaching Psychiatry Residents to Recognize and Respond to Elder Abuse Through a Standardized Patient Encounter

Co-Authors: Jennifer Bryan, and Ali Asghar-Ali

#### **2nd Place (Tie) – Margaret Lie, Maneesha Julakanti, Lucia Guerrero, & David Crawford**

Homes Clinic Triage, Trauma, and Homelessness: Medical Student Training and Assessment

Co-Authors: Maria Jaramillo; Renata Wetterman; Wynne Zhang, and Anjali Aggarwal

#### **2nd Place (Tie) – Sydney Wendt, Brandon Le, Chelsea Livingston**

Eye Care Response Plan in Disaster Scenarios

Co-Authors: Amy Coburn

### Clinical Science Research

#### **1st Place (Tie) – Michael Shih**

Videofluoroscopic Swallow Studies and Clinical Outcomes in Otherwise Healthy Children with Dysphagia

Co-Authors: Caroline Hudson, and Julina Ongkasuwan

#### **1st Place (Tie) – Aanchal Thadani, Ashley Huang, Victoria Van Benschoten, & Zining Chen**

Impact of Patient Discharge Initiative on Emergency Department Revisits

Co-Authors: Rohit Gupta, Daniel Wang, and Michael Jaung

#### **2nd Place (Tie) – Rowland Pettit**

Machine Learning Models Improve Post-Transplant Survival Predictions

Co-Authors: Stuart Corr, and Abbas Rana

#### **2nd Place (Tie) – Elizabeth Sult Case**

Interim Analysis: Quality of Life and Cervical Cancer Chemoradiation Treatment Compliance at a Safety-Net Hospital

Co-Authors: Michelle Ludwig

#### **3rd Place (Tie) – Elizabeth L. Godfrey**

Data-Driven Volume Thresholds Predictive of Improved Outcomes after Lung Transplantation

Co-Author: William C. Frankel, Erik E. Suarez, Gabriel Loor, Abbas Rana, and Kenneth K. Liao

#### **3rd Place (Tie) – Ethan Loftspring**

Effect of Cardiopulmonary Bypass Time (CPBT) on Outcomes after Left Ventricular Assist Device Implantation

Co-Authors: Christopher Ryan, Harveen Lamba, Gabriel Loor, and Harveen Lamba

## 2019 Awardees

### Basic Science Research

#### **1st Place – Emilie Warren**

Expression of Novel Tardigrade Protein Protects T Cells from Oxidative Stress, A Strategy For Improving CAR-T Cell Therapy in Solid Tumors

Co-Authors: Tim Sauer, Cliona Rooney and Andrew Sikora

### Educational Research

#### **1st Place – Preeya Bhavsar, Courtney Pette & Jeremiah Lee**

Addressing Gaps in Primary Care Education: A Primary Care Elective Created by Medical Students

Co-Authors: Fareed Khan, William Huang, Roger Zoorob and Anjali Aggarwal

## Clinical Science Research

### 1st Place – Jeffrey Than

The Persistent Effects of 5A-Reductase Inhibitors Used in the Treatment of Androgenic Alopecia on Men's Health

Co-Authors: Mohit Khera, James Annaise, Ali Antar, Weitao Song, Boriss Losso, Alexander Pastuszek and Jorge Rivera-Mirabal

### 2nd Place (Tie) – Sricharan Gopakumar

Predictive Factors of Incomplete Aneurysm Occlusion after Endovascular Treatment with the Pipeline Embolization Device

Co-Authors: Georgios Maragkos, Luis Ascanio, Mohamed Salem, Santiago Gomez-Paz, Clemens Schirmer, Abhi Jain, Paul Foreman, Christoph Griesseuer, Peter Kan, Christopher Ogilvy, and Ajith Thomas

### 2nd Place (Tie) – Tahir Malik

Pathologic Vascular Invasion Correlates with Worse Outcome in Hepatoblastoma Patients Treated with Liver Transplantation

Co-Authors: Huirong Zhu, Tu-Anh Ha, Sarah Jane Commander, Christine Trautz, Rakesh Sindhi, Stephen Kim, Khashayar Vakili, Neeta Vachharajani, William Chapman, Alex Griesemer, Mercedes Martinez, John Goss, and Sanjeev Vasudevan

### 3rd Place (Tie) – Franciska Gudenkauf

Cancers Attributable to Overweight and Obesity in Texas by Race/Ethnicity

Co-Author: Aaron Thrift

### 3rd Place (Tie) – Rohit Gupta

Social Resources during Emergency Department Discharges: The Impact of a Volunteer Patient Discharge Initiative on Emergency Department Revisits

Co-Authors: Anthony Z. Wang, Daniel Wang, Karen Kurian, Thiago Halmer, and Michael S. Jaung

## 2018 Awardees

## Basic Science Research

### 1st Place – Aditya Srivatsan

Enhancement of Acute Stroke Lesions on Non-Contrast CT Using Relative Signal Intensity Maps

Co-Authors: Soren Christensen, Maarten Lansberg

### 2nd Place – Julie Wu

Modulation of Protein Synthesis in Merkel Cell Carcinoma: Translational Regulation of Oncogenes and Therapeutic Implications

Co-Authors: Hung Doan, Rebecca Simonette, Deepika Narayanan, Qin He, Peter Rady, Stephen Tyring

## Educational Research

### 1st Place – Evan Fisch & Nathaniel Spezia-Lindner

Medical Student Physical Exam Rounds in the BCM Medicine Core Clerkship: A Pilot Program

Co-Authors: Giovanni Campagna II, Niraj Mehta

### 2nd Place – Angela Song

Re-Orienting Orientation: Designing a Curriculum to Introduce Students to the Social Determinants of Health

Co-Authors: Joseph Kass

## Clinical Science Research

### 1st Place – Rowland Pettit

The Short-Term Impact of Concussion in the NBA: An Analysis of Player Longevity and Performance Loss

Co-Authors: Sergio Navarro, Prem Ramkumar

### 2nd Place – Matthew Muir

Comparison of Preoperative Language Mapping Modalities with Direct Cortical Stimulation

Co-Authors: Rajan Patel, Dhiego Bastos, Sujit Prabhu

### 3rd Place – Jessica Cao

The Influence of Healthcare Resource Availability and Socioeconomic Factors on Amputation Rates in Texas Counties

Co-Authors: Sherene Sharath, Nader Zamani, Neal Barshes

## 2017 Awardees

### Basic Science Research

#### **1st Place (Tie) – Julie Wu**

Identification of Potential Therapeutic Targets for Merkel Cell Carcinoma

Co-Authors: Rebecca Simonette, Harrison, Nguyen, Peter Rady, Stephen Tyring

#### **1st Place (Tie) – David Evans**

Preclinical Evaluation of an Antibiotic-Eluting, Resorbable Bone Void Filler

Co-Authors: Zachary Ferrell, David W. Grainger, Kristofer D. Sinclair

#### **2nd Place – Mark Michael**

Design Requirements for a Novel, Tethered Capsule Endoscope for Esophageal Cancer Screening in Low Resource Settings

Co-Authors: Jennifer Carns, Alyssa Shapiro, Richard Schwarz, Sharmila Anandasabapathy, Rebecca Richards-Kortum

#### **3rd Place – Kershena Liao**

Chick Chorioallantoic Membrane Tumor Model to Assess Efficacy of Chimeric Antigen Receptor (Car) T-Cell Therapy

Co-Authors: Caroline Porter, Masataka Suzuki, Andrew G. Sikora

### Clinical Science Research

#### **1st Place – Jaden Kohn**

Factors Associated with Reporting of Professionalism Violations by Medical Students

Co-Authors: Georgene Hergenroeder, Prateek Bhattacharya, George Polson, Philip Lupo, Anne Gill

#### **2nd Place (Tie) – Michael Murri & Saagar Patel**

Refractive Outcomes and Postoperative Complications in Resident Performed Sulcus Intraocular Lenses at Ben Taub General Hospital

Co-Authors: Shazia F. Ali, Cameron Clarke, Jonathon Kim, Mitchell P. Weikert, Zaina Al Mohtaseb

#### **2nd Place (Tie) – Hannah Abrams**

Estimating the Family Related Costs of an Outpatient Pediatric Complex Disease Encounter

Co-Authors: Hayden Leeds, Paibel Aquayo-Hiralso, Ricardo Flores, Aisha Jones, Jackson Huyng, Melody Hellsten, Heidi Russell

#### **3rd Place (Tie) – Kavin Kanthasamy**

Rates, Risk and Predictors of Barrett's Esophagus Recurrence after Radiofrequency Ablation in a Community Practice Setting: A National Veterans Cohort Study

Co-Authors: Mimi C. Tan, Allison G. Yeh, Daniel Kil, Lisa Pompeii, Xiaoying Yu, Hashem B. El-Serag, Aaron P Thrift

#### **3rd Place (Tie) – Matthew Charches, Zachary Solomon, & Kristin Pascoe**

Men with Sperm Aneuploidy: Genetic Outcomes of Conception, Pregnancy Outcomes, and General Health

Co-Authors: Sohun Shah, Taylor P. Kohn, Alexander W. Pastuszak, Larry I. Lipshultz, Dolores J. Lamb

## 2016 Awardees

### Basic Science Research

#### **1st Place – Rachel Pferdehirt**

Catel-Manzke Syndrome and TGDS: A Phenotypic and Genetic Discussion and Literature Review

Co-Authors: Mahim Jain, Maria Blazo, Brendan Lee, Lindsay C. Burrage

#### **2nd Place – Anand Ganapathy**

Contact Force Recovery Predicts Absence of Cardiac Perforation During Steam Pop Formation

Co-Authors: Alireza Nazeri, Krithika S Ganapathy; Mehdi Razavi

#### **3rd Place – Michael Pohlen**

Effect of Body Tilt Angle on Internal Jugular Vein Volumes in Healthy Subjects

Co-Authors: Eric Bershad

### Clinical Science Research

#### **1st Place – Taylor Kohn**

Karyotype and Y-Chromosome Microdeletion for Men with Testicular Failure: A Cost-Effectiveness Analysis

Co-Authors: Grace Kohn, Stephen Pickett, Ranjith Ramasamy, Larry Lipshultz, Dolores Lamb

#### **2nd Place – Stephen Grant**

Cancer Disparities by Insurance Status: An Evaluation of the Survival, Epidemiology, and End Results (Seer) Program

Co-Authors: Gary Walker, Usama Mahmood

**3rd Place – Jean-Huei Yau**

Knowing & Growing: Enlightening High School Students about Sexual Health in a Sex-Positive Way

Co-Authors: William Huang

**2015 Awardees**

**Basic Science Research**

**1st Place – Nasser Yaghi**

Optimized Therapeutic Nanoparticle Delivery of Immune Modulatory MicroRNA in Preclinical Models for Glioma Treatment

Co-Authors: \*Jun Wei, Ling-Yuan Kong, Yuuri Hashimoto, Edjah K. Nduom, Xiaoyang Ling, Neal Huang, Shouhao Zhou, Jonathan M. Levine, Virginia R. Fajt, Gwendolyn Levine, Brian F. Porter, Kiyoshi Tachikawa, Padmanabh Chivukula, David C. Webb, Joseph E. Payne, Amy B. Heimberger

**2nd Place – Sara Cromer**

HIV-1 Viral Protein R (VPR) Causes Inflammation of Adipose Tissue

Co-Authors: Agarwal N, Couturier J, Lewis DE, Balasubramanyam A.

**3rd Place – Jebran Haddad**

Effect of Lateral Meniscal Root Tear on the Stability of the Anterior Cruciate Ligament-Deficient Knee

Co-Authors: Theodore B. Shybut, Charles E. Vega, Jerry W. Alexander, Jonathon E. Gold, Philip C. Noble and Walter R. Lowe

**Clinical Science Research**

**1st Place – Stephen Grant**

Proton versus Conventional Radiotherapy for Pediatric Salivary Gland Tumors: Acute Toxicity and Dosimetric Characteristics

Co-Authors: David R. Grosshans, Anita Mahajan,

**2nd Place – Jiwen Li**

The Quality of Pain Treatment in Community-Dwelling Older Persons with Dementia

Co-Authors: A. Lynn Snow, Nancy Wilson, Melinda A. Stanley, Robert O. Morgan, Shubhada Sangsiry, Mark E. Kunik

**3rd Place – Arame Thiam**

Skin Ulcers in Patients with Spina Bifida in the Outpatient Setting

Co-Authors: Rebecca Jeun, Cynthia Tran

**2014 Awardees**

**Basic Science Research**

**1st Place (Tie) – Sachin Allahabadi**

Effects of Antibiotic Physicochemical Properties on Their Release Kinetics from Biodegradable Polymer Microparticles

Co-Authors: Henslee AM, Spicer PP, Yokota S, Petrichenko S, Bennett GN, Wong ME, Kasper FK, Mikos AG

**1st Place (Tie) – Kapil Saxena**

Human Intestinal Enteroid Cultures: A New Functional Model of Human Rotavirus Infection

Co-Authors: Sarah E. Blutt, Khalil Ettayebi, Xi-Lei Zeng, James Broughman, Sue E. Crawford, Margaret E. Conner and Mary K. Estes

**3rd Place – Craig Labbate**

Strial Dysfunction in Acute Oxidative Damage of the Cochlea

Co-Authors: Wright, A, Pereira, F.

**Clinical Science Research**

**1st Place – Arina Chesnokova**

Neighborhood Risk Factors, Neighborhood Norms, and Maternal Smoking by Latina Women

Co-Authors: Benjamin French, PhD, Deepa Camenga, MD, Douglas Wiebe, PhD and Katherine Yun, MD

**2nd Place – Timothy Dunn**

Cognition in Motion: Examining Cognitive Function During Variable Low Intensity Physical Movement

Co-Authors: Emily Rutledge, Kathleen Mundy, Margaret Taylor, Yoni Donner, Cecilia Valdes MD

### **3rd Place – Martin Huynh**

Treating HBSC Disease Using Hydroxyurea and Phlebotomy

Co-Authors: Vivien Sheehan, MD, PhD

## **2013 Awardees**

### **Basic Science Research**

#### **1st Place – Giselle Dutcher**

Case-Based Learning With Inborn Errors Of Metabolism: or, How I Learned To Stop Memorizing and Love Medical School Biochemistry

Co-Authors: Luis A Umaña, Lorraine Potocki, MD

#### **2nd Place – Meng Chen**

Increased Proliferation of Cultured Conjunctival Epithelium in IFN- $\gamma$  Deficient Mice

Co-Authors: Terry G. Coursey, Cintia S. de Paiva, Johanna T. Henriksson, De-Quan Li, Stephen C.

Pflugfelder

#### **3rd Place – Raghuvveer Puttagunta**

Induction of the Unfolded Protein Response in Pediatric Acute Myeloid Leukemia

Co-Authors: Gaye Jenkins, Richard Sifers, PhD, Terzah Horton, MD, PhD

### **Clinical Science Research**

#### **1st Place – Derek Bernstein**

Comparison of Magnification in Primary Digital Nerve Repair: Literature Review, Survey of Practice Trends, And Assessment of 90 Cadaveric Repairs

Co-Authors: Kristy L Hamilton, Christian Foy MD, Nancy J Petersen PhD, David T Netscher MD

#### **2nd Place – Mediha Ahmad**

Ca19-9 Response Following Chemoradiation Therapy for Locally Advanced Pancreatic Cancer an Early Surrogate for Eventual Survival Outcomes

Co-Authors: Sunil Krishnan, MD

#### **3rd Place – Mohamad Fakhreddine**

Poor Glycemic Control During Radiotherapy Contributes to Reduced Local Control And Overall Survival in Patients with Non-Small Cell Lung Cancer

Co-Authors: Zhongxing Liao, Yan Zhuang, Vikas Bhardwaj, Susan L. Tucker, Heath D. Skinner, John B. Heymach, Daniel R. Gomez, Ritsuko Komaki, and James Welsh

## **2012 Awardees**

### **Basic Science Research**

#### **1st Place – Sannya Hede**

Bradycardia Highlights Age-Related Ventricular Stiffness in Mice Regardless of Cause

Co-Authors: Thuy Pham, Alberto Allegre, George Taffet

#### **2nd Place – Nancy Cheng**

Most Negatively Charged Subfraction (L5) Of Plasma LDL Prolongs Action Potential Duration of Rat Cardiomyocytes via Lox-1 Receptors

Co-Authors: Jonathan Lu, Junping Sun, Geru Wu, Shahrzad Abbasi, Jia Zhang, Jie Cheng, Chu-Huang Chen, Yutao Xi

### **Clinical Science Research**

#### **1st Place – Prem Ramkumar**

Rotation and Cortical Overhand of Tibial Trays in Tkr: The Effect of Implant Asymmetry

Co-Authors: Ismaily SK, Gold JE, Lawrie C, Incavo SJ, Noble PC

#### **2nd Place – Joshua Liao**

Lost In Translation! Using an Analogy to Improve Diabetes Education

Co-Authors: Rajagopal V. Sekhar, MD

#### **3rd Place – Nisha Rathore**

Pediatric Hodgkin Lymphoma: Are We Over-Scanning Our Patients?

Co-Authors: HM Eissa, JF Margolin, T Horton, K Kamdar, Z Dreyer, P Steuber, KR Rabin, M Redell, CE Allen, KL McClain, RP Guillerman, CM Bollard

## 2011 Awardees

### Basic Science Research

#### **1st Place – Brandy Scully**

Promising In Vivo Remodeling Of A Small Intestinal Submucosa Patch Into Functional Myocardium: An Ovine Model

Co-Authors: Chris Fan, Jeffrey G. Jacot, G. Wesley Vick, Jeff Kim, Charles D. Fraser, Jr., K. Jane Grande-Allen, David L.S. Morales

#### **2nd Place – Sophia Rangwala**

Pralatrexate Selectively Induces Apoptosis and Synergizes With Bexarotene Through Up-Regulation Of P53/Bax/Puma In Cutaneous T-Cell Lymphoma Cells

Co-Authors: Xiang Zhang, Chunlei Zhang, Madeleine Duvic

#### **3rd Place – Brett Johnson**

MDM2 Inhibition with Nutlin-3a Strongly Suppresses Tumor Growth and Tumor Angiogenesis in an In Vivo Model of Neuroblastoma

Co-Authors: Dongbing Gao, Nikki Sikorski, Zaowen Chen, Jason Shohet, Eugene Kim

### Clinical Science Research

#### **1st Place – Harsha Mittakanti**

A Novel Educational Approach For Medical Students: Short And Long-Term Retention Rates Using Interactive Medical Software Compared To Traditional Lecture-Based Format

Co-Authors: Michael Lara, Matthew Timberlake, Mary L. Brandt, Anuradha Subramanian

#### **2nd Place – Tyler Murray**

Reproducibility of Image Quality Assessment & Longitudinal Comparisons of the Effectiveness of Intensive Lipid Modification in Preventing the Progression of Peripheral Arterial Disease (Elimit) Study

Co-Authors: Eric Y. Yang, Justin T. Saunders, Anirudh Kumar, Gerd Brunner, Husam Athamneh, Salin S. Virani, Dipan J Shah, Carlos Bechara, Peter H Lin, Changyi Chen, Alan Lumsden, Christie M Ballantyne, Vijay Nambi, Joel D Morrisett

#### **3rd Place – Erik Wolfswinkel**

Breast Cancer Incidence In Adolescent Males Undergoing Subcutaneous Mastectomy For Gynecomastia: Is Pathologic Examination Justified?

Co-Authors: John C Koshy; Jonathan S Goldberg; Yimin Ge; Lior Heller

## 2010 Awardees

### Basic Science Research

#### **1st Place - Amanda Reeck**

A correlate of protection against norovirus gastroenteritis

Co-Authors: O. Kavanagh, M. Estes, A. Opekun, D. Graham, R. Atmar

#### **2nd Place - Michael Loudin**

Genomic analysis reveals recurrent aberrations specific to Down syndrome and acute lymphoblastic leukemia

Co-Authors: J. Wang, J. Meyer, E. Leung, S. Plon, D. Bhojwani, S. Hunger, W. Carroll, K. Rabin

#### **3rd Place - Dongni Yang**

Signals about social status alter the expression of IQ and associated brain responses

Co-Authors: K. Kishida, K. Hunter-Quartz, S. Quartz, P.R. Montague

### Clinical Science Research

#### **1st Place - Randy Luo**

The financial impact of joint registries in identifying poorly performing implants

Co-Authors: A. Brekke, P. Noble

#### **2nd Place - Gary Walker**

Population-based analysis of occult primary breast cancer with axillary nodal metastasis

Co-Authors: G. Smith, G. Perkins, J. Oh, W. Woodward, T.K. Yu, K. Hunt, K. Hoffman, E. Strom, T. Buchholz

#### **3rd Place - Loyola Gressot**

Management of atypical meningiomas following gross total resection

Co-Authors: E. St. Clair, F. DeMonte, R. Sawaya



## 2009 Awardees

### Basic Science Research

#### **1st Place (tie) - Christopher Liu**

Prestin over-expression augments outer hair cell electromotility and is associated with cell death

Co-Authors: J.S. Oghalai

#### **1st Place (tie) - Johnson, Jameel**

Upregulation Of PD-L1 expression via TLR-4 signaling in human colonic Basic Science, Poster #5 myofibroblasts

Co-Authors: I. Pinkchuk, J. Saada, D.W. Powell

#### **2nd Place - W. Marshall Guy**

Deprotonation of docosahexaenoic acid is responsible for a hyperpolarizing shift of Prestin-associated charge movement

Co-Authors: A. Shazia, L. Rajagopalan, B. Farrell, F.A. Pereira, W.E. Brownell

#### **3rd Place - Renea Sturm**

Nicotinic receptors in the habenulo-interpeduncular system are necessary for nicotine withdrawal in mice

Co-Authors: R. Salas, J. Boulter, M. De Biasi

### Clinical Science Research

#### **1st Place - Ryan McConnell**

Rapid, severe Thiopurine-induced myelosuppression in a Crohn's disease patient: implications for individualized, genetically-guided therapy

Co-Authors: V. Shah, G. Cyprus

#### **2nd Place - Joseph Nichols**

Understanding community health needs through triangulation

Co-Authors: E.M. Koers, C. Coello-Gomez, B.J. Selwyn, E.L. Brown, G.R. Parkerson, R.S. Day

#### **3rd Place - Asaithambi, Rathi**

Biology, social environment, and health: How family history and social conditions affect adult asthma

Co-Authors: B. Gorman

## 2008 Awardees

### Basic Science Research

#### **1st Place – Laura Rubinos**

Adiponectin reserves hypoxia induced pulmonary artery hypertension (PAH) in male mice with deletion of PPAR- $\gamma$  in smooth muscle cells (SMC)

Co-Authors: C. Guignabert, V. de Jesus Perez, M. Rabinovitch

#### **2nd Place – Brion Williams**

Decreased expression of MCP-1 in healing fetal arteries correlates with reduced inflammation and a lack of neointimal hyperplasia

Co-Authors: J.E. Hsu, R. Patel, C.W. Smith, O.O. Olutoye, D. L. Cass

#### **3rd Place – Samir Amin**

Overexpression of SOD-2 rescues reduced cerebral blood flow in the Tg2576 (APP) mouse model of Alzheimer's disease

Co-Authors: C. Massaad, L. Hu, E. Klann, R.G. Pautler

### Clinical Science Research

#### **1st Place – Heidi Hullinger**

Does reduced femoral rollback inhibit kneeling?

Co-Authors: M Conditt, S. Isamaily, P. Noble, K. Mathis, B. Parsley

#### **2nd Place – Grace Shou-En Sun**

Risk of progression in stage I mycosis fungoides: are calcineurin inhibitors implicated?

Co-Authors: K. Vidulich, R. Talpur, P. Liu, M. Duvic

#### **3rd Place – Jameel Johnson**

A model for predicting type 2 vs. type 1 diabetes at presentation in the African-American pediatric population

Co-Authors: S. Bhatia, J.A. Noble