HENRY J. N. TAUB & JAMES K. ALEXANDER
Medical Student Research Symposium

Past Henry J.N. Taub Young Investigator Award recipients (2008 - present)

2023 Awardees

Basic Science Research
1st Place - Prazwal Athukuri
Heat- Activated Doxorubicin Uptake Facilitated by Laser Interstitial Therapy Therapy
Co-Authors: Karina V. Moreno, Yuhui Yang, Malcolm F. McDonald, Sungho Lee, Latha Khatri, Anantha L. Marisetty, and Ganesh Rao

Educational Research
1st Place - Sarah Samuel
Medical Jargon: the Unseen Barrier in Patient Care
Co-Authors: Anmol Gupta, Aditi Gupta, and Margaret Wood

2nd Place - Tareck Haykal
Social Media Visibility and Plastic Surgery Residency Program Rankings: An Analysis of Instagram
Co-Authors: Rishabh Lohray, Matthew Morones, and Christopher Brann

3rd Place - Laurynn Garcia, Isabel Draper
Efficacy of a Social Determinant of Health Orientation Program for MS1S
Co-Authors: Edward Lee Poythress

Health System Science Research
1st Place - Cyrus Daruwalla
Trends of Anti-VegF Pharmaceutical Use in Ophthalmology in an Accountable Care Organization Before and During the COVID-19 Pandemic
Co-Authors: Julia Andrieni, Enshuo Hsu, Sidu Uzair, Charles C. Wykoff, and Andrew G. Lee

2nd Place - Ana Paulina Rivera
Telemedicine Considerations for Persons Living with Dementia: A Qualitative Study with Care Partners
Co-Authors: Norvin Hernandez, Vivian Ramont, Tracey Obi, Ilianna Santangelo, Emily Hayden, Aanand Naik, Shan Liu, Maura Kennedy and Anita Chary

3rd Place - Patricia Dillawn, Kelly Martinek, Madeline Tomlinson
Getting Adolescents into Nutrition (Gain): A Pilot Study on Children’s Nutrition Education
Co-Authors: Felicia Rosiji, Sanika Rane, Rashmi Rode and Anjali Aggarwal

4th Place (Tie) - Sanjay Venugopal
Economics MOHS Surgery: An Analysis of Prices Across 20 Facilities and 3 Insurance Plans
Co-Authors: Rishabh Lohray, Matthew Morones, Tareck Haykal, and Christopher Brann

4th Place (Tie) - Spoonthi Kamepalli
Early Changes in Liver Transplantation Outcomes Following Implementation of Acuity Circles
Co-Authors: Cameron Goff, Ashley Montgomery, Astitva Soni, and Abbas Rana

Clinical Science Research
1st Place - Yasemin Deniz Sevilmis
Congenital Diaphragmatic Hernia and Surfactant Administration
Co-Authors: Oluyinka Olutoye II, and Alice King

2nd Place - Anshul Bhatnagar
County- Level Analysis of Eye Exam Access and Utilization in the United States
Co-Authors: Henry Skrehot, and Masih Ahmed

3rd Place (Tie) - Sujal Manohar
The Impact of a Health Care Transition Clinic on Spina Bifida Condition Management and Transition Planning
Co-Authors: Xiaofan Huang, Kristen Staggers, Jonathan Castillo, Heidi Castillo, and Ellen Fremion

3rd Place (Tie) - Adrish Anand
Prognostication for Gunshot Wounds to the Head: An Internal Validation of the Baylor Score
Co-Authors: Sricharan Gopakumar, Malcolm F. McDonald, Cynthia Sofia De la Rosa Zapata, Jovany Cruz Navarro, Patrick J. Karas, and Shankar Gopinath
3rd Place (Tie) - Kyle Blackburn
Laparoscopic Surgery for Adenocortical Carcinoma: Estimating the Risk of Margin-Positive Resection
Co-Author: Kendyl Carlisle, Emily A. Japp, Patrick F. Mc Ardle, Douglas J. Turner, Brian R. Englum, Philip W. Smith, and Yinin Hu

4th Place (Tie) - Shivanki Juneja
Relative Validity of Nutrition Assessment Tools for Estimating Infant Carotenoid Intake
Co-Authors: Jocelyn Chang, Salma Musaad, Teresia M. O’Connor, and Nancy E. Moran

4th Place (Tie) - Ashley Chavana
Association of Laxative Use with Delayed Clearance of High-Dose Methotrexate in Children with Acute Lymphoblastic Leukemia
Co-Authors: Alex Sim, Austin L. Brown, Mark Zobeck, Monica Gramatges, Eric S. Schafer, Michael E. Scheuer, Philip J. Lupo, Karen R. Rabin, and Melanie Brooke Bernhardt

4th Place (Tie) - James Applewhite
Exogenous Testosterone in Men on Active Surveillance for Prostate Cancer: Using a Novel Database to Examine Disease Progression
Co-Author: Taher Naeem, Gal Saffati, Madeline B. Chaput, Sagar Patel, Larry I. Lipshultz, and Mohit Khera

Reviews
1st Place - Liam Ferreira
Surgical Outcomes in Post-Traumatic Epilepsy: A Meta-Analysis
Co-Authors: Mohammad Tabaeizadeh, and Zulfi Haneef

Most Popular Poster Award
Tie - Yasemin Deniz Sevimlis
Congenital Diaphragmatic Hernia and Surfactant Administration
Co-Authors: Oluyinka Olutoye II, and Alice King
Tie - Spoorthi Kamepalli
Early Changes in Liver Transplantation Outcomes Following Implementation of Acuity Circles
Co-Author: Cameron Goff, Ashley Montgomery, Astitva Soni, and Abbas Rana

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 Hindera, Rachelle 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: Loaah Eltemsa, Mohzdeh Bahraniyan, 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

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 Poytress
**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

4th Place (Tie) – Arin Drtle  
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

4th 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

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**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 Though 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 Pastuszak 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 Griessenauer, 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 Vasudev

3rd Place (Tie) – Franciska Gudkenauf
Cancers Attributable to Overweight and Obesity in Texas by Race/Ethnicity
Co-Authors: 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-Hiraldo, 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 Cherches, Zachary Solomon, & Kristin Pascoe  
Men with Sperm Aneuploidy: Genetic Outcomes of Conception, Pregnancy Outcomes, and General Health  
Co-Authors: Sohum 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, Kritika 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  

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

3rd Place – Raghuveer 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?
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 PS3/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: Q. 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

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

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-γ 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