

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

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, Sidra 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) - Spoorthi Kamepalli

Early Changes in Liver Transplantation Outcomes Following Implementation of Acuity Circles

Co-Author: Cameron Goff, Ashley Montgomery, Astitva Soni, and Abbas Rana

Clinical Science Research

1st Place - Yasemin Deniz Sevilimis

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. McArdle, 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. Scheurer, 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 Sevilmis

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 Hinder, 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 Eltemsah, Mohzdeh Bahrnian, Laura Prichett, TY Alvin Liu, Risa M. Wolf, and Roomasa Channa

4th Place (Tie) - Ava Berrier

Characterizing the Joint Phenotype in *Ontogenes 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 Population

Co-Author: Sumitra Khandelwal

4th 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

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

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 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 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 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, 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 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 – Raghuv eer 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- 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