



## The Best Poster in the Field of Cardiovascular Biology

**Winner:** Julia Fedorova

**Title of Poster:** "Cardiac overexpression of Sestrin2 exacerbates ischemia and reperfusion injury through disruption of redox systems in the heart"

**Author(s):** Julia Fedorova, Di Ren Ph.D., and Ji Li Ph.D.

## The Best Poster in the Field of Immunology and Microbiology

**Winner:** Ojas Natarajan

**Title of Poster:** "Lysogeny shapes Microbiota by impacting bacterial physiology"

**Author(s):** Ojas Natarajan PhD, Celine Atkinson, Eric Kees PhD, Jeff Gralnick PhD, Larry Dishaw PhD (PI)

## The Best Poster in the Field of Molecular and Cellular Biology

**Winner:** Dante Deascanis

**Title of Poster:** "Investigating a Mechanism for Gene Silencing Flanking DNA Double-Strand Breaks"

**Author(s):** Dante DeAscanis, Younghoon Kee

## The Best Poster in the Field of Neuroscience

**Winner:** Yan Yan

**Title of Poster:** "Novel role of USP11 in tauopathy"

**Author(s):** Yan Yan, Jenet Matlack, Grace Lloyd, Nisarg Ray, Jung A Woo, David E Kang

## The Best Poster in the Field of Other Clinical Research

**Winner:** Andrew Sephien

**Title of Poster:** "The Use of Intra-operative Bupivacaine to Reduce Post-operative Pain and Opioid Use in Open Carpal Tunnel Release: A Double-Blind Controlled Trial"

**Author(s):** Andrew Sephien, Evan Horowitz, MD, Ambuj Kumar, MD, Jessica C Zakhary, Danielle Gulick, PhD, Francisco Schwartz-Fernandes, MD

## The Best Poster in the Field of Nursing

**Winner:** Dorothe Durosier Mertilus

**Title of Poster:** "Sexual Distress in Lymphoma Patients: A State-of-the-Art Literature Review"

**Author(s):** Dorothe Durosier Mertilus, DNP, APRN, RN, AGNP-C



## The Best Poster in the Field of Other Basic Research

**Winner:** Olivia Hardy

**Title of Poster:** "Development of an Evidence-Based Agenda for Primary and Secondary Liver Cancer Outreach and Community Engagement: A Regional Multi-Specialty and Patient-Inclusion Survey-Based Initiative"

**Author(s):** Olivia Hardy, BS, Catherine Villani, BS, Mintallah Haider, MD, Diana Castillo-Lopez, Susan Vadaparampil, PhD, and Daniel A. Anaya, MD

## Medical Student Research Award: Year 1, 2 (Basic Science)

**Winner:** Vineet Nadkarni

**Title of Poster:** "The temporal properties of T-cell infiltration and microglial activation in an  $\alpha$ -synuclein model of Parkinson's disease"

**Author(s):** Vineet Nadkarni, Meena S. Subbarayan, Charles Hudson, Paula C. Bickford

## Medical Student Research Award: Year 1, 2 (Clinical / Translational Science)

**Winner:** John Cheng

**Title of Poster:** "Effects of Non-Insulin Dependent Diabetes Mellitus (NIDDM) on Primary Open Angle Glaucoma (POAG) and Peripapillary Microvasculature Density (VD)"

**Author(s):** John Y. Cheng, Steven Beigelman, Jaemyoung Sung, Sandra Johnson MD

## Medical Student Research Award: Years 3, 4

**Winner:** Alexander Shahin

**Title of Poster:** "Inter-visit variability of two SD-OCT models"

**Author(s):** Alexander Shahin, Sabrina Khalil, David Richards, Ramesh Ayyala, Radouil Tzekov

## Medical Student Research Award: Case Study / Review Award

**Winner:** Zachary Makovich

**Title of Poster:** "Liver Tumor Ablation in Difficult Locations: Ablation of Perivascular and Subdiaphragmatic Tumors"

**Author(s):** Zachary Makovich, JerryRay Logemann, Liwei Chen, Rahul Mhaskar, Ghassan El-Haddad, Junsung Choi, Nainesh Parikh, Jennifer Sweeney, Bela Kis



### The Basic Science Award: Doctoral Student Research

**Winner:** Helena Hernandez-Cuervo

**Title of Poster:** "Role of BMI1 Depletion in Hyperoxia-induced Acute Lung Injury (HALI) Using In Vitro and In Vivo Models"

**Author(s):** Helena Hernández-Cuervo MD, Soundararajan, Ramani Ph.D., Patil, Sahebgowda M.Sc., Alleyn, Matthew B.Sc., Breitzig, Mason B.Sc., Galam, Lakshmi Ph.D., Sharma, Nirmal M.D., Lockey, Richard M.D., Kolliputi, Narasaiah Ph.D.

### The Basic Science Award: COPH Doctoral Student Research

**Winner:** Nisha Vijayakumar

**Title of Poster:** "Characterization of Environmental Contaminants Found in Donated Breast Milk in Florida"

**Author(s):** Nisha Vijayakumar, BDS, MPH; Naya Martin, BS; Meghana Venkatesh; Thomas Mason, PhD; Laurent Calcul, PhD; Marie Bourgeois, PhD

### The Basic Science Award: Masters Student Research

**Winner:** Mitchell Farmer

**Title of Poster:** "An Exploration of Chemical Protein Interactomes of Crizotinib for Drug Repositioning"

**Author(s):** Mitchell Farmer, Minghua Li, Melissa Gaeta, and Jiazhi Sun

### The Basic Science Award: COPH Masters Student Research

**Winner:** Jan Dahrendorff

**Title of Poster:** "Differentially expressed gene networks in community-based and veteran cohorts of post-traumatic stress disorder"

**Author(s):** Jan Dahrendorff, Thomas E. Keller, Don Armstrong, Agaz Wani, Annie Qu, Derek Wildman, M. Carmen Valero, Karestan Koenen, Allison Aiello, Monica Uddin

### The Basic Science Award: Undergraduate Student Research

**Winner:** Alexander Llauget

**Title of Poster:** "Human Bone Marrow-Derived Stem Cell Transplantation into Symptomatic ALS Mice Attenuates Blood-Spinal Cord Barrier Damage by Re-Establishing Pericyte Coverage and Endothelium Cytoskeleton"

**Author(s):** Alexander Llauget, Robert Shell, Surafuail Hailu, Hilmi Mustafa, Spencer Jaffe, Paul R. Sanberg, Cesario V. Borlongan, Svitlana Garbuzova-Davis



### The Clinical / Translational Science Award: Doctoral Student Research

**Winner:** Alexandra Cochrane

**Title of Poster:** "Strength and Proprioceptive Interventions to Improve Quality of Life in People with Hypermobile Ehlers-Danlos/ Joint Hypermobility Syndrome: A Systematic Review"

**Author(s):** Alexandra Cochrane, SPT, Katherine Kane, SPT, Heather Senica, SPT, Justin Reynolds, SPT, Michael Glaser, SPT, Patricia Teran Wodzinski, PT, PhD

### The Clinical / Translational Science Award: COPH Doctoral Student Research

**Winner:** Kenneth Taylor

**Title of Poster:** "Go with the Flow: Positive Airway Pressure Adherence and Time to Back Pain Diagnosis"

**Author(s):** Kenneth A. Taylor, PT, DPT, OCS, Skai W. Schwartz, PhD, Yuri Sebastião, PhD, W. McDowell Anderson, MD, Philip R. Foulis, MD

### The Clinical / Translational Science Award: Masters Student Research

**Winner:** Amrita Unnikumaran

**Title of Poster:** "MORPHOMETRY AND DENSITY ANALYSIS OF THE FIFTH METACARPAL"

**Author(s):** Amrita Unnikumaran, Peter Simon, William Lee, Sergio Velasquez

### The Clinical / Translational Science Award: COPH Masters Student Research

**Winner:** Emma Hume

**Title of Poster:** "Investigation into the Association between Breastfeeding and Autism"

**Author(s):** Emma Hume, B.S, Russel Kirby, Ph.D., M.S.

### The Clinical / Translational Science Award: Undergraduate Student Research

**Winner:** Aizara Ermekbaeva

**Title of Poster:** "Association Between Alcoholic Liver Disease and Alcohol Tax"

**Author(s):** Aizara Ermekbaeva, Jacentha Buggs, M.D, Sadaf Aslam, M.D., M.S., Samantha Melo, B.S., Ebonie Rogers, B.S., Ambuj Kumar, M.D., M.P.H., Nyingi Kemmer, M.D.

### Post-Doctoral Scholar Research Award

**Winner:** Jea-Young Lee

**Title of Poster:** "A PUNCH IN THE GUT IN PARKINSON'S DISEASE USING STEM CELL TRANSPLANTS ALTERS THE MICROBIOME"

**Author(s):** Jea-Young Lee, Brooke Bonsack, Jared Ehrhart, Paul R. Sanberg, Cesar V. Borlongan



## The Community Research Award (COPH): Doctoral Student Research

**Winner:** Marshara Fross

**Title of Poster:** "Death by Cesarean – Assessing the Link Between Cesarean Status and the Rise in Pregnancy-Related Death Due to Hemorrhage"

**Author(s):**

## The Community Research Award (COPH): Masters Student Research

**Winner:** Davies Toluhi

**Title of Poster:** "Drivers for Father's Involvement in the Child's Life and Engagement in Florida Maternal, Infant and Early Childhood Home Visiting Programs."

**Author(s):** Davies Toluhi, MBChB, Vidya Chandran, BDS, MBA, Caitlynn Carr, MA, Bola Yusuf, MBBS, MPH, Rafaella Stein-Elger, BA, Barbara Dorjulus, BS, Jennifer Marshall, PhD, MPH

## The USF Health Dean's Interdisciplinary Research Award

**Winner:** Caitlin Wolfe

**Title of Poster:** "Satellites to Snails in Northern Senegal: Identifying highly productive snail habitats through remote sensing for targeted vector control of schistosomiasis"

**Author(s):** Caitlin Wolfe, Christopher Haggerty, Isabelle Jones, Andy Chamberlin, Nicolas Jouanard, Simon Enghor, Raphael Ndione, Sidy Bakhom, Chelsea Wood, Sanna Sokolow, Gilles Riveau, Giulio De Leo, and Jason Rohr.

## The Outstanding Innovations in Medicine Award

**Winner:** Zeinab Motawe

**Title of Poster:** "Sigma-1 receptor activation enhances endothelial barrier function and promotes glycolytic ATP production"

**Author(s):** Zeinab Y. Motawe, Forouzandeh Farsaei, Salma S. Abdelmaboud, Javier Cuevas, Jerome W. Breslin.

## The Outstanding 4th Year Medical Student Poster Award (Presented by Watson Clinic)

**Winner:** Yumna Ahmad

**Title of Poster:** "Why Patients Leave When They Do - Searching for Improved Hospital Flow"

**Author(s):** Dr. Joseph Luke O'Neill, MD. Yumna Ahmad, Dr. Jamie Weber, MD., Dr. Alexander Reiss, MD.



### **The Dr. Christopher P. Phelps Memorial Fund Annual Morsani College of Medicine Neuroscience Student Travel Award**

**Winner:** Sara Cazzaro

**Title of Poster:** "FTD-ALS-Linked CHCHD10 mutations induce lysosomal dysfunction"

**Author(s):** Sara Cazzaro, Jung-A Woo, Tian Liu, Cenxiao C. Fang, Patrick LePochat, Xingyu Zhao, Chaput Dale, & David E. Kang

### **The USF Federal Credit Union Best Poster in the Field of Cancer Biology Award**

**Winner:** Roukiah Khalil

**Title of Poster:** "Withaferin A Induces Immunogenic Cell Death in Non-small Cell Lung Cancer"

**Author(s):** Roukiah Khalil, Rinku Dutta, Ryan Green, Sirinivas Bharadwaj, Shyam Mohapatra, Subhra Mohapatra

### **The Tampa General Hospital Travel Award for Clinical Fellows**

**Winner:** David Gajzer

**Title of Poster:** "High MYC Protein Expression in MDS and MDS/MPN Predicts Early Disease Transformation to AML"

**Author(s):** David Gajzer, MD, Pukhraz Basra, MD, Seongseok Yun, MD, PhD, Ling Zhang, MD

### **The Tampa General Hospital Outstanding Medical Resident Research Award**

**Winner:** Evelena Cousin-Peterson

**Title of Poster:** "Complications of Diverting Ileostomy after Low Anterior Resection from 2012-2017: Have We Improved Care?"

**Author(s):** Evelena Cousin-Peterson, Haroon Janjua, Tara M Barry, Paul C. Kuo, and J. Ryan Williams

### **The Joseph Krzanowski, PhD Invited Oral Presentations Invitee**

**Presenter:** Tara Barry

**Title of Poster:** "BATTLE OF THE SEXES: THE EFFECT OF SURGEON GENDER ON POST-OPERATIVE IN HOSPITAL MORTALITY"

**Author(s):** Tara M. Barry MD, Haroon M. Janjua MS, Evelena Cousin-Peterson MD, Mary Ottinger MD, Paul C. Kuo MD MS MBA



### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Byron Cheon

**Title of Poster:** "Reconciling Physical and Intellectual Property in the Open Data Age"

**Author(s):** Nicholas W. Carris, PharmD; Byron Cheon; Jay Wolfson, DrPH, JD, LHCRM

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Jasmina Ehab

**Title of Poster:** "Curative-intent Surgery for Geriatric Patients with Intrahepatic Cholangiocarcinoma: Utilization Patterns and Survival Benefit"

**Author(s):** Jasmina Ehab, MS, Ovie Utuama, MD, Jennifer Permut, MS, PhD, Getachew Dagne, PhD, Jason Denbo MD, Richard Kim MD, and Daniel A. Anaya MD

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Rebecca Koerner

**Title of Poster:** "Parent Biobehavioral Responses to SSC: State-of-the-Art Review"

**Author(s):** Rebecca Koerner MS, APRN, CPNP-PC

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Erin Laird

**Title of Poster:** "Medical Cannabis: Pharmacists' Knowledge and Opinions on Healthcare Integration"

**Author(s):** Erin Laird, Abigail Anderson, Alexandra Gott, Angela Hill, PharmD., CRPh

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Ashley Lui

**Title of Poster:** "Evaluation of Eastern Equine Encephalitis Virus (EEEV) Winter Activity in Florida"

**Author(s):** Ashley Lui, Dr Niketa Patel

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Heather Mahoney

**Title of Poster:** "Altered behavior, neurogenesis, and GABAA receptor modulation in a Reln and Disc1 double-hit model for genetic susceptibility to schizophrenia"

**Author(s):** Mahoney H, Bloom C, Ocampo A, Valladares A, Reiss S, Faulkner J, Justin H, Gonzalez D, Capraro B, Peterson E, Weeber EJ, Gamsby J, Gulick D



### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Andrew Matar

**Title of Poster:** "Validation of Allometric Scaling Laws in Normal Coronary Arteries Using 3-D Computed Tomography; Implications on the Evaluation of Diffuse Coronary Atherosclerosis"

**Author(s):** Andrew H. Matar, MS; Summer J. Decker, PhD; Kaushik S. Shahir, MD; Fadi A. Matar, MD; Jonathan M. Ford, PhD

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Moorthi Ponnusamy

**Title of Poster:** "The loss of neuronal BIN1 exacerbates Alzheimer Disease Tau pathophysiology"

**Author(s):** Moorthi Ponnusamy, Melike Yuksel, Robert J. Andrew, Mitch Hansen, Ha-Na Shim, Gopal Thinakaran

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Shanda Vereen

**Title of Poster:** "...if they don't have money to spend on a child, then they can't be with them...": Barriers to father involvement

**Author(s):** Shanda Vereen, MSPH, Rashida Jones, PharmD, Deborah Austin, PhD, Estrellita 'Lo' Berry, MA, Roneé Wilson, PhD

### The Joseph Krzanowski, PhD Invited Oral Presentations Invitee

**Presenter:** Yingwei Yang

**Title of Poster:** "Co-occurrence of Individual and Community Risk Factors on Youth's Perceived Safety: A Second-order Factor Analysis based on the Syndemic Theory"

**Author(s):** Yingwei Yang, MSc, BMSc; Karen Liller, PhD; Abraham Salinas, PhD, MD; Martha Coulter, DrPH

### The Joseph Krzanowski, PhD Invited Oral Presentations Award

**Winner:** Kristi Miley

**Title of Poster:** "Evaluation of Eastern Equine Encephalitis Virus (EEEV) Winter Activity in Florida"

**Author(s):** Kristi Miley, Joni Downs, Nathan Burkett-Cadena, Richard West, Brenda Hunt, Benjamin Brewer, Peter Brabant, George Deskins, Billy Kellner, Sandra Fisher-Grainger, Thomas R. Unnasch