

The 2021 Tenth Annual DOIM Research Symposium was held on March 30 through April 1, 2021.

The Research Governance Committee Subcommittee co- leads of Drs. Laura Conforti and Khurram Bari, along with Drs. Gregory Rouan, Chair, Department of Internal Medicine, Carl Fichtenbaum, Associate Chair for Translational Research and Sakthivel Sadayappan, Associate Chair for Basic Research, thank all who participated or attended.

We recognize the efforts of our trainees and their mentors in presenting excellent research posters and thank the faculty who served as judges. The faculty judges are an integral to the success of this event. In addition, we extend thanks to the post doctorate judges, the administrative team, the ARS team and the entire department for supporting the symposium and helping the department to provide an enriching experience for all.

This year, trainees presented 24 posters in basic research, clinical research and clinical case report categories and 30 faculty volunteered to judge the trainee posters. Two staff submitted posters in the basic research category with nine post doctorate research staff serving as judges for the staff posters and images. All events were held virtually by WebEx.

The Images in Medicine Gallery and competition returned this year with eight images in three categories; basic research, clinical research and Images in Medicine. The gallery emphasizes the strong connection between art and science.

The winning presentations in the basic research, clinical research, and clinical case report categories for trainee and staff posters are listed below. The winning images from the Images in Medicine Competition are listed as well.

*(Please be aware that some of the award categories have been updated since the Awards Ceremony announcement on April 1.)*

#### **2021 Trainee Basic Research Poster Awards:**

##### **1<sup>st</sup> place (\$500.00)**

Name and Division: **Kateryna Matiash, BS** – Hematology Oncology

Mentor: Dr. Vladimir Bogdanov

Poster Title: “Regulation of Tissue Factor pre-mRNA splicing in pancreatic ductal adenocarcinoma”

##### **2<sup>nd</sup> place (\$250.00)**

Name and Division: **Christina Andreani, PhD** – Hematology/Oncology

Mentor: Dr. Pier Paolo Scaglioni

Poster Title: “Resistance to FASN inhibition and ferroptosis in mutant KRAS lung cancer”

##### **Honorable Mention Award (\$150.00)**

Name and Division: **Heather Evans, PhD** – Infectious Diseases

Mentor: Dr. George Deepe

Poster Title: “HIF-1alpha-regulated immunometabolic control of Histoplasma capsulatum infection”

### **Trainee Clinical Research Poster Awards:**

#### **1<sup>st</sup> place (\$500.00)**

Name and Division: **Rafiullah Khan, MD, MBA** – Hematology/Oncology

Mentor: Dr. Mahmoud Charif

Poster Title: “Effect of Race and Insurance Status on Stage at Diagnosis and Overall Survival of Triple Negative Breast Cancer: Analysis of the National Cancer Database”

#### **2<sup>nd</sup> place (\$250.00)**

Name and Division: **Jean Pannikottu, MD** – General Internal Medicine

Mentor: Dr. George Smulian

Poster Title: “Impact of CLABSI Intervention on preventable blood stream infections and analysis of required data to classify infection as non-preventable”

### **2021 Trainee Clinical Case Report Poster Awards:**

#### **1<sup>st</sup> place (\$500.00)**

Name and Division: **Simin Zhang, MD** – Immunology, Allergy & Rheumatology

Mentor: Dr. Jonathan Bernstein

Poster Title: “Clinical Significance of Mast Cell Density in GI Biopsies in Patients Presenting for Evaluation of GI Mast Cell Disorders”

#### **2<sup>nd</sup> place (\$250.00)**

Name and Division: **Demetrio Sharp Dimitri, MD** – General Internal Medicine

Mentor: Dr. Saad Saifuddin Ahmad

Poster Title: “Not all STEMIS are Equal — An Intravascular Look”

#### **Honorable Mention (\$150.00)**

Name and Division: **Christine Zhou, DO** – General Internal Medicine

Mentor: Dr. Jean Elwing

Poster Title: “Bilateral Pulmonary Thromboendarterectomy with Pulmonary Artery Reconstruction and Valve Repair in Severe Pulmonary Hypertension”

### **2021 Research Symposium Poster Competition Awardees: Staff**

#### **1<sup>st</sup> place (\$150.00)**

Name and Division: **Ameet Chimote, PhD** – Nephrology, Kidney CARE Program

Research Manager/PI: Dr. Laura Conforti

Poster Title: “Inhibitory effect of Dexamethasone, a COVID-19 therapeutic on Kv1.3 channels in CD8+ T lymphocytes”

#### **2<sup>nd</sup> place (\$100.00)**

Name and Division: **David E. Adams, PhD** – Immunology, Allergy & Rheumatology

Research Manager/PI: Dr. Wen-Hai Shao

Poster Title: “Multifactorial Regulation of Axl Expression”

## **2021 Research Symposium Image Competition Awardees**

### **Basic Research Images:**

#### **1<sup>st</sup> place (\$100.00)**

Name and Department/Division: **Demetria Fischesser, PhD** – Cardiovascular Health & Disease

Image Title: “Activating Cardiac Fibrosis Or Phoenix from the Ashes”

#### **2nd place (\$50.00)**

Name and Department/Division: **Ameet Chimote, PhD** – Nephrology, Kidney CARE Program

Image Title: “Is decreased ion channel function key to T cell immune suppression in cancers?”

### **Clinical Research Images:**

#### **1<sup>st</sup> place (\$100.00)**

Name and Department/Division: **Tara Magge, MD** – General Internal Medicine

Image Title: “Miracles of the Immune System: Complete Response to Temozolomide in Metastatic Melanoma”

#### **2nd place (\$50.00)**

Name and Department/Division: **Marcus Trybula, MD** – Internal Medicine Resident

Image Title: “Rhizopus microsporus typhlitis in a patient with acute myelogenous leukemia”

### **Images in Medicine:**

#### **1<sup>st</sup> place (\$100.00)**

Name and Department/Division: **Melanie T. Cushion, PhD** - Senior Associate Dean for Research, COM

Image Title: “Placoderm Scales”

#### **2nd place (\$50.00)**

Name and Department/Division: **Sowmya Boddhula, MD** – Endocrinology, Diabetes & Metabolism

Image Title: “Hyperpigmentation of the Skin in Addison’s Disease”

### **People’s Choice (\$100.00):**

Name and Department/Division: **Demetria Fischesser, PhD** – Cardiovascular Health & Disease

Image Title: “Activating Cardiac Fibrosis or Phoenix from the Ashes”