



10TH ANNUAL
**RESEARCH
SYMPOSIUM**

MARCH 30-APRIL 1, 2021

DEPARTMENT OF
**INTERNAL
MEDICINE**

Building the “**NEXT**”
Generation of Researchers

med.uc.edu/depart/intmed/research

Image: Mouse Gastric Glands
Kristen Engvik, BS
Pharmacology & System Biology

Agenda

Tuesday, March 30, 2021

9:00 am – 10:00 am	INTRODUCTION AND WELCOME Carl Fichtenbaum, MD, Associate Chair of Translational Research Sakhivel Sadayappan, PhD, MBA, Associate Chair of Basic Research
10:00 am – 11:00 am	PEOPLE'S CHOICE BALLOTING FOR IMAGES IN MEDICINE GALLERY Yolanda Wess, Med, BSN, RN, Research Director, Academic Research Services
11:00 am – noon	IMAGES IN MEDICINE COMPETITION — BASIC RESEARCH TRACK Eric Smith, MD, Research Scientist, Academic Research Services
noon – 1:00 pm	LUNCH BREAK
1:00 pm – 2:00 pm	TRAINEE AND STAFF POSTER ROUND TABLE Basic Track Laura Conforti, PhD, Professor, Division of Nephrology, Kidney CARE Program Khurram Bari, MD, MS, Associate Professor, Division of Digestive Diseases Eric Smith, MD, Research Scientist, Academic Research Services

Wednesday, March 31, 2021

9:00 am – 10:00 am	INTRODUCTION AND WELCOME Carl Fichtenbaum, MD, Associate Chair of Translational Research, Sakhivel Sadayappan, PhD, MBA, Associate Chair of Basic Research
10:00 am – 11:00 am	PEOPLE'S CHOICE BALLOTING FOR IMAGES IN MEDICINE GALLERY Kelly Niederhausen, Assistant Director of Research and Education, Department of Internal Medicine
11:00 am – noon	IMAGES IN MEDICINE COMPETITION – CLINICAL TRACK & IMAGES AND MEDICINE Eric Smith, MD, Research Scientist, Academic Research Services
noon – 1:00 pm	LUNCH BREAK
1:00 pm – 2:00 pm	TRAINEE AND STAFF POSTER ROUND TABLE Clinical Track & Case Reports Laura Conforti, PhD, Professor, Division of Nephrology, Kidney CARE Program Khurram Bari, MD, MS, Associate Professor, Division of Digestive Diseases Eric Smith, MD, Research Scientist, Academic Research Services

Thursday, April 1, 2021

2:00 pm – 3:00 pm	AWARDS CEREMONY – Carl Fichtenbaum, MD, Associate Chair of Translational Research Sakhivel Sadayappan, PhD, MBA, Associate Chair of Basic Research
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Please note:

BY INVITATION ONLY, 10 AM–NOON:

Basic Track of posters will be presented and judged on Tuesday, March 30, 2021.

Clinical Track posters and Case Reports will be presented and judged on Wednesday, March 31, 2021.

Trainee Research Poster Session

Trainee and Department/Division	Mentor	Title	Clinical, Basic or Clinical Case Report	Poster
Caterina Bartolacci, PhD Fellow Hematology Oncology	Dr. Pier Paolo Scaglioni	FASN imposes a Targetable Metabolic Dependency on Mutant KRAS Lung Cancer	B	1
Christina Andreani, PhD Hematology Oncology	Dr. Pier Paolo Scaglioni	Resistance to FASN inhibition and ferroptosis in mutant KRAS lung cancer	B	2
Christine Zhou, DO General Internal Medicine	Dr. Jean Elwing	Bilateral Pulmonary Thromboendarterectomy with Pulmonary Artery Reconstruction and Valve Repair in Severe Pulmonary Hypertension	CCR	3
Clayton Lewis, PhD Hematology Oncology	Dr. Vladimir Bogdanov	Preclinical in vivo Characterization of a First-In-Class Humanized Antibody Targeting Alternatively Spliced Tissue Factor	B	4
Demetria Fischesser, PhD Cardiovascular Health & Disease	Dr. Kevin Haworth	Development of a physiologic in vitro arterial blood gas model for studying oxygen scavenging	B	5
Demetrio Sharp Dimitri, MD General Internal Medicine	Dr. Saad Saifuddin Ahmad	Not all STEMIS are Equal — An Intravascular Look	CCR	6
Hani Alrefai, PhD Infectious Diseases	Dr. George S. Deepe	Metallothioneins 1 and 2 metabolic programming of host versus Hc immune response	B	7
Jean Pannikottu, MD General Internal Medicine	Dr. A. George Smulian	Impact of CLABSI Intervention on preventable blood stream infections and analysis of required data to classify infection as non-preventable	C	8
Kateryna Matiash, BS Hematology Oncology	Dr. Vladimir Bogdanov	Regulation of Tissue Factor pre-mRNA splicing in pancreatic ductal adenocarcinoma	B	9
Ekatherine Rivera, MD Endocrinology	Dr. Ruchi Bhabhra	Sellar mass: solving a diagnostic dilemma	CCR	10
Maimoona Bahlol, MD Endocrinology	Dr. Yufei Dai	Immunotherapy-related Autoimmune Diabetes Mellitus and Exogenous Insulin Antibody Syndrome in a Patient with Metastatic Oral Squamous Cell Carcinoma	CCR	11
McKenzie Crist, BS Hematology Oncology	Dr. Trisha Wise-Draper	Metformin-mediated natural killer cell cytotoxicity in head and neck squamous cell carcinoma	B	12

Trainee Research Poster Session (*continued*)

Trainee and Department/Division	Mentor	Title	Clinical, Basic or Clinical Case Report	Poster
Najeeb U. Khan, MD Allergy & Immunology	Dr. David Bernstein	Eosinophilic Granulomatosis with Polyangiitis (EGPA) Presenting with Myocarditis Responsive to Prednisone	CCR	13
Nour Alrifai, PhD Post Doc Fellow Cardiovascular Health & Disease	Dr. Kevin Haworth	Submicron Perfluoropentane Droplets for Oxygen Scavenging	B	14
Rafiullah Khan, MD, MBA Hematology Oncology	Dr. Mahmoud Charif	Effect of Race and Insurance Status on Stage at Diagnosis and Overall Survival of Triple Negative Breast Cancer: Analysis of the National Cancer Database	C	15
Punita Grover, MD Hematology Oncology	Dr. Mahmoud Charif	Using Infographic-Based Teaching Techniques to Improve ACGME Trainee Satisfaction Through Improved Patient Comprehension	C	16
Saima Manzoor, MBBS Endocrinology	Dr. Abid Yaqub	An Unusual Case of Rapidly Evolving Thyroidal Dysfunction from New Onset Antibody Negative Graves' Disease to Central Hypothyroidism Within Few Weeks of Starting Ipilimumab (Immune Check Point Inhibitor) Therapy	CCR	17
Shuo Huang Infectious Diseases	Dr. George Deepe	The Important Role of Notch Signaling in Regulating Histoplasma capsulatum Clearance	B	18
Simin Zhang, MD Allergy & Immunology	Dr. Jonathan Bernstein	Clinical Significance of Mast Cell Density in GI Biopsies in Patients Presenting for Evaluation of GI Mast Cell Disorders	CCR	19
Sowmya Boddhula, MD Endocrinology	Dr. Mercedes Falciglia	A case of intentional overdose of insulin glargine and lispro treated with hydrocortisone	CCR	20
Tara Magge, MD General Internal Medicine	Dr. Mahmoud Charif	Recurrent Hepatic Injury from Multiple Anticoagulants	CCR	21
Caris Lee, PhD student Pathobiology & Molecular Med.	Dr. Philip Owens	The Role of PAR2 in Phenotypic Switching in Atherosclerosis	B	22
Srujana Kamala Yada, MD Endocrinology	Dr. Suman Jana	Bilateral Adrenal Hemorrhage After a Mechanical Fall	CCR	23
Heather Evans, PhD Infectious Diseases	Dr. George Deepe	HIF-1alpha-regulated immunometabolic control of Histoplasma capsulatum infection	B	24

Staff Posters

Investigator and Department/Division	PI or Research Manager	Title	Clinical, Basic or Clinical Case Report	Poster
Ameet Chimote, PhD Nephrology, Kidney CARE Program	Dr. Laura Conforti	Effect of COVID-19 drug Dexamethasone on ion channels in T lymphocytes	B	1
David E. Adams, PhD Allergy & Immunology	Dr. Wen-Hai Shao	Multi factorial regulation of Axl expression	B	2

Image Gallery

Name and Department/Division	PI or Research Manager	Image Title	Image Category	Image
Ameet Chimote, PhD Nephrology, Kidney CARE Program	Dr. Laura Conforti	Is decreased ion channel function key to T cell immune suppression in cancers?	B	1
Caterina Bartolacci, PhD Hematology Oncology		Cancer and Lipids: a FA(c)T that matters	B	2
Christina Andreani, PhD Hematology Oncology Post Doc	Dr. Pier Paolo Scaglioni	Cherry blossoms	B	3
Demetria Fischesser, PhD Cardiovascular Health & Disease Post Doc Fellow	Dr. Kevin Hayworth	Activating Cardiac Fibroblasts Or Phoenix from the Ashes	B	4
Marcus Trybula, MD IM Resident		Rhizopus microsporus typhlitis in a patient with acute myelogenous leukemia	C	5
Melanie T. Cushion, PhD Infectious Diseases		Placoderm Scales	Images in Medicine	6
Sowmya Boddhula, MD Endocrinology		Hyperpigmentation of the Skin in Addison's Disease	Images in Medicine	7
Tara Magge, MD IM Resident		Miracles of the Immune System: Complete Response to Temozolomide in Metastatic Melanoma	Images in Medicine	8

Judges

Name	Division	Department Position
Enass Abdel-Hameed, MD, PhD	Digestive Diseases	Post-doctoral Member
Yamuna Abhayawardhane, MD, PhD	General Internal Medicine	Faculty
Perwez Alam, PhD	Regenerative Medicine	Post-doctoral Member
Khurram Bari, MD	Digestive Diseases	Faculty
Martina Chirra, MD	Nephrology, Kidney CARE Program	Post-doctoral Member
Laura Conforti, PhD	Nephrology, Kidney CARE Program	Faculty
Emily Curran, MD	Hematology Oncology	Faculty
Manisha Das, MD	Cardiovascular Health and Disease	Faculty
Zhongyun Dong, PhD	Hematology Oncology	Faculty
Mary Beth Donica, MD*	Infectious Diseases	Staff
Jean Elwing, MD	Pulmonary, Critical Care and Sleep Medicine	Faculty
Vaibhavkumar Gawali, PhD	Nephrology, Kidney CARE Program	Post-doctoral Member
Kevin Haworth, PhD	Cardiovascular Health and Disease	Faculty
R Duncan Hite, MD	Pulmonary, Critical Care and Sleep Medicine	Faculty
Lindsay Huber, MD	General Internal Medicine	Faculty
Arun Jose, MD, MS	Pulmonary, Critical Care and Sleep Medicine	Faculty
Shinsmon Jose, PhD	Infectious Diseases	Post-doctoral Member
Mohit Kumar, PhD	General Internal Medicine	Post-doctoral Member
Rajat Madan, MD, PhD	Infectious Diseases	Faculty
Jwalant Modi, MBBS	Nephrology, Kidney CARE Program	Faculty
Phillip Owens, PhD	Cardiovascular Health and Disease	Faculty
Niralee Patel, MD	Nephrology, Kidney CARE Program	Faculty
Shailendra Patel, PhD	Endocrinology, Diabetes and Metabolism	Faculty
Sakthivel Sadayappan, PhD, MBA	Cardiovascular Health and Disease	Faculty
Atsuo Sasaki, PhD	Hematology Oncology	Faculty
Wenhai Shao, PhD	Immunology, Allergy and Rheumatology	Faculty
Rohit Singh, PhD	Cardiovascular Health and Disease	Post-doctoral Member
Luke Smart, MD	COM Pediatrics Hematology and Oncology	Faculty
Taejeong Song, PhD	Cardiovascular Health and Disease	Post-doctoral Member
Allison Stickle, MD, PhD	General Internal Medicine	Faculty
Kavitha Subramanian, PhD	Infectious Diseases	Faculty
Eric Warm, MD	General Internal Medicine	Faculty
Laura Wexler, MD	Cardiovascular Health and Disease	Faculty
Trisha Wise-Draper, MD/PhD	Hematology Oncology	Faculty
Jane Yu, PhD	Pulmonary, Critical Care and Sleep Medicine	Faculty
Nives Zimmermann, MD	Immunology, Allergy and Rheumatology	Faculty

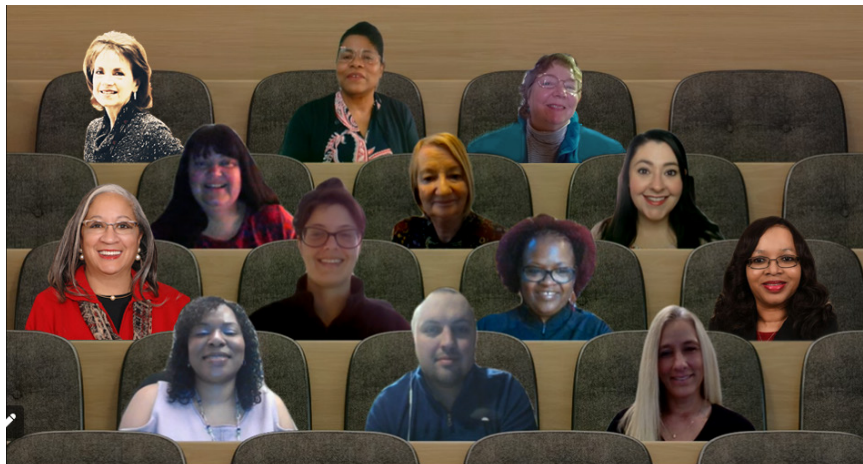
* *image competition only*

Thank You!

We acknowledge the time and effort provided by many
in planning and organizing this event.
Without the support of others, this symposium could not occur.

Special thanks:

- **Research Governance Committee (RGC) Symposium Subcommittee:**
RGC SUBCOMMITTEE LEADS: Khurram Bari and Laura Conforti
TEAM LEAD: Eric Smith
- **REDCap Consultant:**
Margaret Powers
- **Judges:**
Judges for Trainee Posters, Judges for Staff Posters, and Judges for Images in Medicine
- **The Administrative Team and its Members:**
COMMITTEE LEAD: Angela Duke
TEAM LEADS: Bette Young, Jessica Bailey, Jillian Nolte, Connie Adkins, Justina Dunigan and Yolanda Wess
MEMBERS: Peggy Jones, Linda White, Scott Wells, Dawn Orth, Donna Roll, Kimberly Benna and Lauren Phipps



SAVE THE DATE:
Research Symposium 2022
“Research and Innovation Week”