KANSAS CITY UNIVERSITY

RESEARCH SYMPOSIUM

April 3-5, 2025

2025 Abstract Book

Schedule of Events

Sessions can be joined virtually at: https://KCUConferencing.zoom.us/j/86423567410
Meeting ID: 864 2356 7410

All sessions will be held live in AC-200 (Kansas City Campus) and J-Lecture Hall (Joplin) unless otherwise indicated. All times listed are central time zone.

Thursday, April 3

11:30-11:50 a.m.
Opening Remarks/Welcome

12 -12:50 p.m.
Keynote Speaker Dr. Russell Swerdlow, University of Kansas Medical Center
Topic: Mitochondria and Mitochondrial Cascades in Alzheimer's Disease

1 - 1:50 p.m.
KCU Faculty Invited Speaker Dr. Ehab Sarsour, Kansas City University
Topic: Targeting Lipid Metabolism in Stromal and Cancer Cells: A Novel Approach to Enhancing Cancer Treatment Efficacy

2 -4:10 p.m.
KCU Student Podium and Virtual Presentation Session 1

4:10-5 p.m.
KCU Faculty Invited Speaker Dr. Gretchen Gibson, Kansas City University
Topic: EHR Data and how it can tell the story of treatment effectiveness

Friday April 4

7 a.m. - 12 p.m. GME Research Day Presentation Session

12 - 1 p.m.
Dr. Jan Talley and Dr. Dennis Wolff Student Panel
Topic: The benefits of research and how to find opportunities at KCU
A panel of student researchers will be available to answer questions about research experiences at KCU. (This experience is for KCU students only.)

2 -2:50 p.m.
Distinguished Guest Speaker Dr. Barbara Binzak-Blumenfeld, Buchanan Ingersoll & Rooney PC
Topic: The Role of FDA in Scientific Research and Medical Practice

3 - 5 p.m.
KCU Student Podium and Virtual Presentation Session 2

Saturday, April 5

8 – 11 a.m.

KCU Summer Student Research Fellowship Presentation Session

11 a.m. -12:30 p.m.
Poster Session 1: Kansas City-AC Lobby & SAC; Joplin- Quad & Main Foyer

1 - 1:30 p.m.
KCU Faculty Invited Speaker: Dr. Jeff Staudinger, Kansas City University
Topic: Differential gene regulation by SR12813 and rifampicin: Insights into PXR activation and metabolic pathway modulation in a colon cancer cell line

1 – 3 p.m.
Poster Session 2: Kansas City-AC Lobby & SAC; Joplin- Quad & Main Foyer

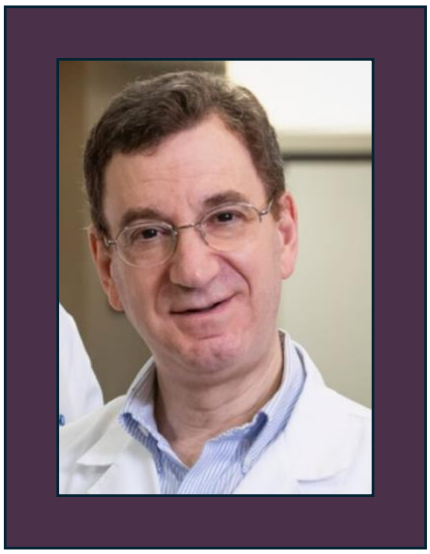
3 – 3:30 p.m.
KCU Faculty Invited Speaker Dr. Aaron Segal, Kansas City University
Topic: Public perspectives on compensation for biospecimen donation

3:30 – 4:20 p.m.
Featured Speaker Dr. Angela Slitt, University of Rhode Island
Topic: Leveraging a Pharma Framework to Identify Critical Factors involved in Per- and polyfluorinated Alkyl Substance (PFAS) Tissue Distribution and Toxicokinetics

4:30 – 5 p.m.
Awards presentations and Closing Remarks

Guest Speaker Bios

Russell Swerdlow, MD



Professor, Departments of Neurology, Cell Biology and Physiology and Biochemistry and Molecular Biology. Director of Kansas Alzheimer's Disease Research Center, its Neurodegenerative Disorders Program, and the Heartland Center for Mitochondrial Medicine. University of Kansas School of Medicine

Keynote Session: "Mitochondria and Mitochondrial Cascades in Alzheimer's Disease"

Dr. Russell Swerdlow is a professor in the Departments of Neurology, Cell Biology and Physiology, and Biochemistry and Molecular Biology at the University of Kansas School of Medicine. He directs the University of Kansas Alzheimer's Disease Research Center, its Neurodegenerative Disorders Program, and the Heartland Center for Mitochondrial Medicine. He received undergraduate and MD degrees from New York University and trained as a neurologist and Alzheimer's specialist at the University of Virginia. He holds the Gene and Marge Sweeney Chair at the University of Kansas and is a recipient of an S. Weir Mitchell Award from the American Academy of Neurology, a Cotzias Award from the American Parkinson's Disease Association, a Chancellor's Club Research Award from the University of Kansas, a Dolph Simons Research Achievement Award in the Biomedical Sciences from the University of Kansas, and the Oskar Fischer Prize. From 2017-2021 he sat on the NIA Board of Scientific Counselors. Dr. Swerdlow's research focuses on brain energy metabolism, its role in Alzheimer's disease, and its therapeutic manipulation.

Ehab Sarsour, MS, MSc, PhD
Associate Professor of Basic Science, Kansas City University

Invited Speaker Session: **"Targeting Lipid Metabolism in Stromal and Cancer Cells: A Novel Approach to Enhancing Cancer Treatment Efficacy"**

Dr. Sarsour is currently an associate professor of cellular and molecular biology in the Department of Basic Sciences, College of Osteopathic Medicine at KCU. Before his PhD at the University of Iowa, he owned and supervised clinical laboratories in Jordan, where he earned his bachelor's degree in microbiology and master's in immunology.

Prior to joining KCU he served as an adjunct assistant professor in the Department of Radiation Oncology at the University of Iowa. His research program focuses on aging, cancer, and drug development to enhance therapy outcomes for cancer patients. A major contribution of his is the discovery of "cellular chronological lifespan," a new concept in aging and cancer research, describing the time interval quiescent cells can still successfully re-enter the cell cycle and replicate.

His research has received significant attention, leading to invitations to present at national and international meetings and institutions such as the American Professional Wound Care Association, Radiation Research Society, Society for Redox Biology and Medicine, Cleveland Clinic, and University of Nebraska Medical Center. Dr. Sarsour has received many awards, including young investigator and travel awards from the Society for Redox Biology and Medicine and the Radiation Research Society. He has published extensively in leading peer-reviewed journals, with over 2000 citations, and has attracted private funding for his research. He has served as a co-investigator on NIH-NCI R01 funded grants and is currently a principal investigator on several pending NIH grant applications. Additionally, he is an associate editor for the Frontiers in Aging - Aging and Cancer journal and an academic editor for the Antioxidant Journal.

Currently, Dr. Sarsour's research focuses on changes in lipid metabolism with age to enhance cellular renewal and regeneration, particularly for wound healing, and on developing novel cancer therapies targeting the cancer microenvironment. He collaborates with institutions like UC Santa Cruz, University of Iowa Hospitals, University of Nebraska Medical Center, and Loxagen Inc. to create treatments that complement standard therapies like radiation and chemotherapy, aiming to improve patient outcomes.

Gretchen Gibson, MPH, DDS
Assistant Group Practice Leader and Associate Professor of Dental Medicine, Kansas City University

Invited Speaker Session: "EHR Data and how it can tell the story of treatment effectiveness"

Dr. Gibson provided dental care to our nation's Veterans for over 30 years at various VA hospitals. She focused on older and medically compromised patients. Throughout her career, Dr. Gibson also worked in the VA on a national level. She served as Director, National Homeless Veterans Dental Program, advocating for dental care as part of homeless rehabilitation programs. She published research related to the effects that dental care had on homeless rehabilitation outcomes.

Her early research focused on salivary hypofunction while a provider in the salivary dysfunction clinic at Baylor College of Dentistry. Dr. Gibson served until 2023 as the Director of the Oral Health Quality Group, a national research group committed to evaluating VA dental and medical data to inform evidence-based protocols and guidelines for Veteran dental care. This group published multiple recommendation and guideline papers for VA Dentistry, based on VA data and evidence-based literature analysis.

Her research endeavors include extensive work on the use of fluoride in high caries risk adults, as well as the impact of a fluoride-based quality measure on caries outcomes. Her work includes clinical data analysis to establish efficient clinic models for VA Dentistry. Most recently Dr. Gibson has worked with dental and non-dental researchers to evaluate the antibiotic and opioid prescribing patterns of VA dentists and the effectiveness of stewardship interventions within VA Dentistry.

Barbara Binzak-Blumenfeld, PhD
Co-Head of the FDA & Biotechnology Section at the law firm Buchanan Ingersoll & Rooney PC

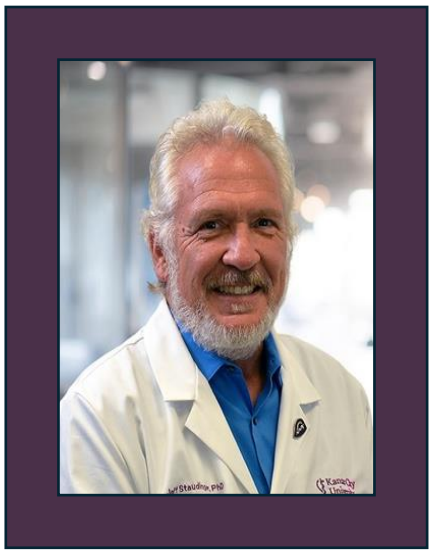
Distinguished Guest Speaker Session: "The Role of FDA in Scientific Research and Medical Practice"

Barbara A. Binzak Blumenfeld is Co-Head of the FDA & Biotechnology Section at the law firm Buchanan Ingersoll & Rooney PC in Washington, DC. Barbara has worked with clients on virtually all categories of FDA-regulated products, focusing on medical devices, drugs, and biologics. She leverages her unique background, integrating science and biomedical ethics into her legal practice.

Prior to law school, Barbara earned her PhD in molecular biology from the Mayo Graduate School at the Mayo Clinic in Rochester, Minnesota, writing her dissertation on "Biochemistry and Genetics of Two Electron Transferring Flavoprotein-Utilizing Mitochondrial Enzymes: Short/Branched Chain Acyl-Coenzyme A Dehydrogenase and Dimethylglycine Dehydrogenase." She pivoted her focus from the lab to the law, using her scientific experience to further a career in food and drug law. She attended Case Western Reserve University School of Law in Cleveland, Ohio, earning her JD with a health law certificate. Barbara also received her MA in biomedical ethics from Case Western as well.

During her 22 years of practice, Barbara has written and spoken on numerous topics, and has served on various professional boards and groups. She was a working group member for a grant awarded from the NIH's Human Microbiome Project to the University of Maryland for the study of the federal regulation of probiotics. She has held numerous positions within the Food and Drug Law Institute, including serving as a member of the Board of Directors. Barbara also served from 2016-2023 on her alma mater Cardinal Stritch University's College of Arts and Sciences Advisory Committee. In 2022, Barbara was recognized by *Corporate Counsel* in its Women, Influence and Power in Law Awards as an honoree in the category of "Law Firm – Collaborative Leadership."

Jeff Staudinger, PhD Professor of Pharmacology, Director of the MSSU-KCU Research Consortium (MKRC), Kansas City University



Invited Speaker Session: "Differential Gene Regulation by SR12813 and Rifampicin: Insights into PXR Activation and Metabolic Pathway Modulation in a Colon Cancer Cell Line"

The benefits of the breakthrough in the medical clinic validate scientific discovery. What is sometimes overshadowed is the fact that basic science lays the groundwork for the eventual contribution to clinical and pharmacological therapies. For *Jeff Staudinger*, PhD, former Chair of Basic Sciences and current Professor of Pharmacology at *Kansas City University* (KCU), the basic sciences have been at the cornerstone of a career that has facilitated, advanced, and expedited discoveries and treatments for patients in the clinic.

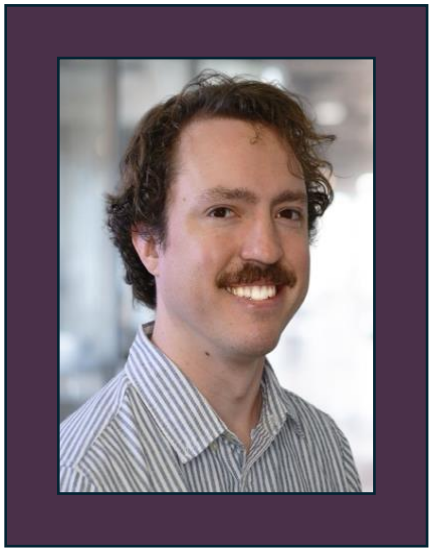
After completing his doctoral degree in Biochemistry and Molecular Biology at the University of Texas Graduate School of Biomedical Sciences at *MD Anderson Cancer Center* in Houston, Texas, Dr. Staudinger spent four years as a post-doctoral research fellow. The first three years were in the Molecular Endocrinology section at *Glaxo-SmithKline* in Research Triangle Park, North Carolina where he discovered his love for study of the *nuclear receptor superfamily* of ligand-activated transcription factors.

Nuclear receptors are a fascinating family of ligand-activated transcription factors that have served as key models for understanding transcriptional regulation for over 30 years. They provide insights into fundamental mechanisms, including interactions with co-activator and co-repressor proteins. **Among the 48 different human nuclear receptor proteins—the largest transcription factor superfamily in metazoans—**many possess the distinctive ability to be selectively activated by small lipophilic ligands, typically around the size of a molecule of cholesterol (~400 Da). Some of these ligands function as endocrine hormones and are in fact derived from cholesterol to include steroid hormones such as estradiol and testosterone, while others are metabolites derived from dietary sources, including fatty acids, vitamin D, and 25-hydroxycholesterol. Both classes of molecules play **critical roles in health and disease, making nuclear receptors a compelling focus for both basic and applied clinical research.**

After a brief Senior post-Doc position for one year at *University of Kansas Medical Center* Dr. Staudinger spent 16 years at the *University of Kansas* School of Pharmacy as a Professor in the department of *Pharmacology and Toxicology* before ultimately accepting a leadership position in the *Basic Science Division* at KCU's Joplin campus in 2017.

Dr. Staudinger's career has been dedicated to developing pivotal biochemical tools that can determine the extent to which novel drug candidates (NDCs) cause adverse effects. This is clinically significant because the novel biochemistry he and his colleagues unveiled are now used worldwide to interrogate NDC's much earlier in the drug development process than was previously possible, before expensive clinical trials commence. These basic tools eliminate costly delays in drug development by detecting likely *drug-drug, food-drug, and herb-drug* interactions that would otherwise derail or delay Food and Drug Administration approval. These tools are also used in screening out the unwanted and potentially lethal side effects from other potential chemical forms of the drug candidate molecules. The net result is that these drug candidates may ultimately get into the hands of clinicians quicker than would otherwise be possible.

Aaron Segal, PhD
Assistant Professor of Bioethics, Kansas City University



Invited Speaker Session: "Public Perspectives on Compensation for Biospecimen Donation."

Aaron Eli Segal, PhD, is currently Assistant Professor of Bioethics at Kansas City University. His primary research interests are in the ethics of clinical research and normative ethical theory. He is particularly interested in the evaluation of risks and benefits in clinical research, the inclusion of people who are unable to provide informed consent, and the ethics of compensation in clinical research. Other work includes analysis of regulatory barriers to inclusion and the ethics of altruistic research participation.

Prior to joining KCU, Dr. Segal completed a postdoctoral fellowship at the NIH Clinical Center Department of Bioethics, where he was a member of the Bioethics Consultation Service and the Clinical Center Ethics Committee. He holds a PhD from the University of Pittsburgh and a BA from the University of Chicago.

Angela Slitt, PhD
Professor and Director Research Development, University of Rhode Island College of Pharmacy

Featured Speaker Session: "Leveraging a Pharma Framework to Identify Critical Factors involved in Per- and polyfluorinated Alkyl Substance (PFAS) Tissue Distribution and Toxicokinetics"

Dr. Angela Slitt is a professor in the Department of Biomedical Sciences in the College of Pharmacy at the University of Rhode Island. She has twenty years' experience as a toxicologist, specializing in mechanisms of liver injury and biliary excretion/transport, with numerous full-length publications in the area of toxicology. Her research program also includes the study of non-alcoholic fatty liver disease (NAFLD) and metabolic disorders, hepatic transport processes, and toxicant excretion, and evaluation of plant and food-derived polyphenolic compounds for anti-inflammatory activity. Her work has been published in journals, such as Diabetes, Antioxidants and Redox Signaling, Free Radicals Biology and Medicine, and PLOS One.

Dr. Slitt currently holds NIH and USDA awards to study aspects of metabolic disease. She currently serves as an Associate Editor for BMC Pharmacology and Toxicology, and serves on the editorial boards of various journals, such as Toxicology and Applied Pharmacology and Journal of Biochemical and Molecular Toxicology. She is also an active Society of Toxicology member, serving on the membership committee and Secretary/Treasurer for the Northeast Regional Society of Toxicology Chapter, and serves on various scientific expert review panels. Dr. Slitt is a passionate educator who is involved in toxicology teaching at the undergraduate level and has opened her laboratory at URI to allow successful summer research experiences for high school, undergraduate, and high school teachers.

KCU Student Presentation Session 1: Thursday April 3
2 - 4:10 p.m.

Time	Presenting Author	Abstract #	Title
2:00-2:09	Daniel Kim	1	Quadruple metachronous primary malignancies with one recurrent neoplasia.
2:10-2:19	Joseph Oaster	2	Coronary Arterial Disease (CAD) and Pneumonia Length of Visit Outcomes: A Retrospective Analysis of Freeman Health System Patients.
2:20-2:29	Akansha Rao	3	Recurrent Postpartum Hemorrhage Caused by Anomalous Right Ovarian Artery, Uterine Dehiscence and Uterine Artery Pseudoaneurysm
2:30-2:39	Clayton Bilke	8	Inconsistent diagnostic findings leading to a delay in tuberculosis treatment: A case study
2:40-2:49	Donald Keating III	11	Strategies for Implementing AI-Based Recommendations in Precision Medical Education
2:50-2:59	Nicolas Sesno	12	A before and after comparison of a novel device for electrocardiogram
3:00-3:09	Kaan Sevgi	13	Osteoid Osteoma Mimicking SCFE in a Pediatric Patient: A Diagnostic Challenge and Minimally Invasive Management with Radiofrequency Ablation
3:10-3:19	Kaan Sevgi	14	Uncommon Pediatric Patellar Osteomyelitis: Diagnostic and Therapeutic Challenges of a Rare Bone Infection
3:20-3:29	Crystal Guillen	22	Personalized Multidisciplinary Management of Refractory Orthostatic Hypotension in Chronic Kidney Disease with Severe Blood Pressure Variability
3:30-3:39	Crystal Guillen	23	Thyroid Storm in a Refractory Hyperthyroid Patient - A Case Report
3:40-3:49	Mahogany Mcknight	28	Targeting lipolysis in aging fibroblast enhances wound healing activity by suppressing pro-inflammatory phenotype.
3:50-3:59	Alexis Paynter	29	Targeting arachidonic acid lipoxygenase-12 (ALOX12) in the pancreatic ductal adenocarcinoma tumor microenvironment to suppress cancer cell proliferation and enhance therapy outcomes
4:00-4:09	Makeen Thanawalla	30	Transcriptomic analysis reveals differential alternative splicing of CD4+ effector T-cells in narcolepsy type 1 patients

GME Research Day: Friday April 4
7 a.m. -12 p.m.

Time	Abstract #	
7 a.m.		**Welcome**
		Dr. Kerrie Jordan, DIO
7:05 a.m.	**282**	**Traumatic C5 Nerve Root Avulsion with Pseudomeningocele**
		Robert Garner, DO, Kansas City University/HCA-KC Orthopaedic Surgery Resident
7:11 a.m.	**283**	**Percutaneous Biceps Tenodesis Using Needle Arthroscopy and Regional Anesthesia: The Infinity Technique**
		Garrett Gilbert, DO, Kansas City University/SANO Orthopaedic Sports Medicine Fellow
7:17 a.m.	**318**	**Gallbladder Neuroendocrine Tumor**
		Jacob Wiepen, DO, Kansas City University/St Mary's General Surgery Resident
7:23 a.m.	**300**	**Case Series: Laparoscopic Common Bile Duct Exploration**
		Ben Murrell, DO, Kansas City University/St Mary's General Surgery Resident
7:29 a.m.	**289**	**Symptomatic Stage I Medullary Carcinoma of the Colon: A Case Report**
		Augustine Nguyen, DO, Kansas City University/St Mary's General Surgery Resident
7:35 a.m.	**308**	**Subcutaneous metastasis of high-grade neuroendocrine tumor: A Case Report**
		Jesse Rincon, DO, Kansas City University/St Mary's General Surgery Resident
7:41 a.m.	**312**	**Patient Education on using NSAID to Reduce Opioid use Post-surgery**
		Karson Schroeder, DO, Kansas City University/St Mary's General Surgery Resident
7:47 a.m.	**277**	**QR Code Labeling to Enhance Nasogastric Tube Management**
		Max Cayo, MD, Kansas City University/St. Anthony Hospital Surgery Resident
7:53 a.m.	**301**	**Catastrophic Traumatic Injury of the Aortic Valve After Skiing Accident: A Case Report of Survival**
		Mollie Mustoe, MD, Kansas City University/St. Anthony Hospital Surgery Resident
7:59 a.m.	**287**	**Proficiency Of Surgical Trainees in Performing Focused Assessment with Sonography for Trauma**
		Sendy Ha, MD, Kansas City University/St. Anthony Hospital Surgery Resident
8:05 a.m.	**304**	**FDG-Avid Calcification of Cervical Lymph Nodes Post Chemoradiotherapy Mimicking Oropharyngeal Squamous Cell Carcinoma Cancer Recurrence: A Case Report**
		Alex Otto, DO, Kansas City University/ Freeman Otolaryngology – Head & Neck Surgery Resident
8:11 a.m.	**305**	**A rare case of well-differentiated spindle cell liposarcoma of the larynx in a patient with a history of a benign laryngeal lesion**
		Alex Otto, DO, Kansas City University/ Freeman Otolaryngology – Head & Neck Surgery Resident

8:17 a.m.	**284**	**Factors That Influence the Decision to Get Vaccinated Against COVID-19**
		Brandi Gotti, DO, Kansas City University/ Freeman Otolaryngology – Head & Neck Surgery Resident
8:23 a.m.	**285**	**Standardizing Postoperative Hypocalcemia Management: A Quality Improvement Initiative for Enhanced Patient Outcomes Following Thyroid and Parathyroid Surgeries**
		Brandi Gotti, DO, Kansas City University/ Freeman Otolaryngology – Head & Neck Surgery Resident
8:29 a.m.	**280**	**Expanding the Differential Diagnosis: Dual Case Report of Nodular Fasciitis in the Head and Neck**
		Elijah Elliott, DO, Kansas City University/ Freeman Otolaryngology – Head & Neck Surgery Resident
8:35 a.m.	**291**	**Evaluation of Post Operative Urinary Retention of Mepivacaine in Patients Undergoing Total Knee or Hip Arthroplasty**
		Mark Jarosz, DO, Kansas City University/Freeman Internal Medicine Resident
8:41 a.m.	**307**	**Missed Acute Traumatic Central Cord Syndrome in a 36-Year-Old Female Initially Presenting with Syncope**
		Michael Phillips, DO, Kansas City University/Freeman Emergency Medicine Resident
8:47 a.m.	**306**	**The case of a 60-year-old female with a suspected GI bleed and Hermansky-Pudlak Syndrome.**
		John Phillips, DO, Kansas City University/Freeman Emergency Medicine Resident
8:53 a.m.	**295**	**Evans Syndrome in a 19-year-old Female**
		Kelly Langeluttig-Patrick, DO, Kansas City University/Freeman Emergency Medicine Resident
8:59 a.m.	**275**	**Transition of Care from Pediatrics to Adult**
		Ehab Abdelaziz, MD, Kansas City University/Freeman Family Medicine Resident
9:05 a.m.	**296**	**Optimizing Clinical Flow with Order Sheets**
		Cuong Le, DO, Kansas City University/Freeman Family Medicine Resident
9:11 a.m.	**299**	**Optimizing a Visiting Rotation in PGY-1 Family Medicine**
		Robert Morris, DO, Kansas City University/Freeman Family Medicine Resident
9:17 a.m.	**294**	**Assessing Health Resources in a Rural LGBTQ+ Community**
		Michael Kulasekera, DO, Kansas City University/Freeman Family Medicine Resident
9:23 a.m.	**315**	**Acetaminophen-Induced Hepatotoxicity: The Need for Vigilance and Rapid Response**
		Amal Sobeih, MD, Kansas City University/Reid Health Family Medicine Resident
9:29 a.m.	**278**	**Smoky Cerebrovascular Condition**
		Rajesh Dhakal, MD, Kansas City University/Reid Health Family Medicine Resident
9:35 a.m.	**288**	**Trust your gut: a case report on abdominal compartment syndrome**
		Megan Hammersla, MD, Kansas City University/Reid Health Family Medicine Resident
9:41 a.m.	**290**	**Increasing CGM prescriptions in a residency clinic**

		Nicole Hountz, DO, Kansas City University/Reid Health Family Medicine Resident
9:47 a.m.	**298**	**Stroke or Glioblastoma Multiforme?**
		Christine Miller, DO, Kansas City University/Reid Health Family Medicine Resident
9:53 a.m.	**302**	**When Wellbutrin is a Risk to Wellness**
		Vivien Nsonwu, MD, Kansas City University/Reid Health Family Medicine Resident
9:59 a.m.	**286**	**PE vs. EKOS: A High-Stakes Showdown**
		Samuel Griffin, MD, Kansas City University/Reid Health Family Medicine Resident
10:05 a.m.	**292**	**Not So Funny After All: The Neurological Punchline of Nitrous Oxide Abuse**
		Sadia Khan, MBBS, Kansas City University/Reid Health Family Medicine Resident
10:11 a.m.	**310**	**Cardiac Imposter: When a Tumor Mimics Heart Failure**
		Vivek Roy, MD, Kansas City University/Reid Health Family Medicine Resident
10:17 a.m.	**303**	**Sweet Victory Turns Sour: A Case of EDKA with SGLT2 Inhibitors**
		Victor Odoma, MD, Kansas City University/Reid Health Family Medicine Resident
10:23 a.m.	**317**	**Mollaret Meningitis: A rare and under-appreciated syndrome.**
		Salecah Ullah, MD, Kansas City University/Reid Health Family Medicine Resident
10:29 a.m.	**313**	**Playing Hide and Bleed: The Mystery of Dieulafoy Lesions**
		Rohit Shrestha, MBBS, Kansas City University/Reid Health Family Medicine Resident
10:35 a.m.	**309**	**Swallow at Your Own Risk: The Rise of Eosinophilic Esophagitis**
		Natalie Rosca, MD, Kansas City University/Reid Health Family Medicine Resident
10:41 a.m.	**314**	**Quite the Headache: A case of spontaneous bilateral subdural hygromas in a newborn**
		Jesse Smallwood, DO, Kansas City University/Reid Health Family Medicine Resident
10:47 a.m.	**279**	**Hyperopic PRK for ET Abstract**
		Alex Downey, DO, Kansas City University/St. Luke's Des Peres Family Medicine Resident
10:53 a.m.	**276**	**Improving Quality Metrics in a Primary Care Setting with Targeted Interventions**
		Charles Shipley, DO, Kansas City University/St. Luke's Des Peres Family Medicine Resident
10:59 a.m.	**297**	**Excimer Laser Keratectomy for Accommodative Esotropia in Spectacle-Aversive Children**
		James Liu, DO, Kansas City University/St. Luke's Des Peres Family Medicine Resident
11:05 a.m.	**311**	**Monkeypox Presenting as Periorbital Cellulitis: A Case Report**
		Jessika Sanz, DO, Kansas City University/ADCS Orlando Dermatology Resident
11:11 a.m.	**293**	**Enhancing HS Care: A QI Project Focused on Early Screening & Diagnosis**

		Hannah Kopelman, DO, Kansas City University/ADCS Orlando Dermatology Resident
11:17 a.m.	**281**	**Patient-Reported Satisfaction with Treatment Options for Outpatient Management of Opioid Use Disorder: Extended-release Injectable Buprenorphine versus Daily Sublingual Buprenorphine-naloxone**
		Ayesha Fatima, MD, Kansas City University/Ozark Center Addiction Medicine Fellow
11:23 a.m.	**316**	**Enhancing Psychiatry Residents' Knowledge and Comfort with Clozapine Prescribing Through Educational Interventions**
		Alexander Hunter, DO, Kansas City University/Ozark Center Psychiatry Resident
11:29 a.m.		**GME Research Award**
		Kerrie Jordan, DIO

KCU Student Presentation Session 2: Friday, April 4
3 - 5:00 p.m.

Time	Presenting Author	Abstract #	Title
3-3:09 p.m.	Millie Shah	4	A Comparative Review of Threaded vs. Non-Threaded Ultrasound-Guided Release Techniques for Carpal Tunnel Syndrome
3:10-3:19 p.m.	Fiona Sznewajs	5	Infertility evaluation leads to diagnosis of rare Turner syndrome variant in an unsuspecting patient: a case report
3:20-3:29 p.m.	Brian Young	6	Unmasking nasopharyngeal carcinoma in a patient with severe COPD: a case study
3:30-3:39 p.m.	Monika Ziogaite	7	An uncommon rash from a common ingredient: shiitake flagellate dermatitis
3:40-3:49 p.m.	Benjamin DeYoung, MPH	9	Comparison of firearm-related YPLL and state preemption laws
3:50-3:59 p.m.	Shree Govani	10	Revascularization of a calcified LAD bifurcation stenosis using orbital atherectomy and intravascular lithotripsy: a case report
4-4:09 p.m.	Kaan Sevgi	15	Advancing Total Knee Arthroplasty: Precision Techniques, Innovations, and Outcomes for Enhanced Patient Care
4:10-4:19 p.m.	Kaan Sevgi	17	Septic Arthritis in a Patient with Metastatic Squamous Cell Carcinoma: A Case Report and Literature Review
4:20-4:29 p.m.	Carmen Tong	24	Epidemiology of joint pain and associated risk factors in rural communities of Guatemala
4:30-4:39 p.m.	Amanda Gardner - Kay	25	Evaluating the Impact of CRISPR-Cas9 scaRNA1 Genomic Editing on Spliceosome Function and Biochemical Modification
4:40-4:49 p.m.	Leon Isakov	26	Dietary palmitate as a neoadjuvant therapy: enhancing radiation sensitivity in head and neck cancer through lipid metabolism modulation
4:50-4:59 p.m.	Hope M. Keane	27	Genetic modification of diatoms for the production of biosilica nanomaterials

Summer Student Research Fellows Session: Saturday April 5
8 – 11:00 a.m.

Time	Student Fellow	Abstract #	Title	SSRF Mentor
8 - 8:10 a.m.	Welcome and Opening Remarks: Dr. Ed O'Connor and Dr. Jan Talley			
8:10-8:20 a.m.	Katie Bussard-Serrano	322	Pathway of Genetic Load Analysis Within a High-Risk Population in Nigeria to Analyze Genetic Risk for Developing Kernicterus	Dr. Kibiryeva
8:20-8:30 a.m.	Ejiroghene Davies-Okarevu	323	Anthracycline and targeted TGF-beta pathway combination therapy of triple negative breast cancer	Dr. Konorev
8:30-8:40 a.m.	Annie Goikhman	334	Optimization of Human Plasma-Derived Exosome Storage Under Cryoprotection Conditions	Dr. Agbas
8:40-8:50 a.m.	Robert Heins	324	Interconnected anatomy and clinical relevance of the dorsal scapular and long thoracic nerves: a cadaveric study	Dr. Sloan
8:50-9 a.m.	Kaylaha Jones	325	Investigating the Role of Small Canal Body Associated RNA's (scaRNAs) In Congenital Heart Defects: A Study of SNORD94 Regulation of Alternative Splicing	Dr. Bittel
9-9:10 a.m.	Tahlia Korin	326	Breaking bad: when calcium signaling goes awry and leads to a depressing episode	Dr. Zaidi
9:10-9:20 a.m.	Sruthi Kundar	327	Identification and Therapeutic Benefits of Retinal Dystrophin Promoter Activity in Duchenne Muscular Dystrophy (DMD) Skeletal Muscle	Dr. White
9:20-9:30 a.m.	**Break**			
9:30-9:40 a.m.	Alesia Lokshina	328	Overview of asexual identity for healthcare protocols and medical education curriculum	Dr. Talley
9:40-9:50 a.m.	Dominic Nkemngong	329	Targeting Lipolysis, G0/G1 switch gene 2 (G0S2) as a major player in age-related metabolic dysfunction	Dr. Sarsour
9:50-10 a.m.	Joseph Peters	330	A review of osteopathic and related manipulations for treating gut dysfunction in neurological populations	Dr. Slicho
10-10:10 a.m.	Yuristika Salsabila	333	The Brain on Bilirubin – Genetic Analysis of Hyperbilirubinemia and Kernicterus Susceptibility in Nigerian Newborns	Dr. Bittel
10:10-10:20 a.m.	Jacob Welsh	331	Treatment of dmd with methylprednisolone to induce increased retinal dystrophin promotor activity and expression	Dr. White
			Switch Presentations to Joplin Campus	
10:20-10:30 a.m.	Hima Patel	319	Integration and frequency usage data of 3D printing technologies	Dr. Zolnierz
10:30-10:40 a.m.	Chi Pham	321	Effects of PXR Activation on Cancer Cell Viability	Dr. Creamer
10:40-10:50 a.m.	Philip Yusuf	320	Establishing novel salivary flow cell capabilities to study the oral microbiome	Dr. Wolff

A heartfelt thank you to everyone who worked hard and dedicated their time to planning, organizing and supporting the 2025 KCU Research Symposium:

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