Pioneering Pathways: Innovative Trial Design in Translational Science

7:45am-4:00pm Registration

8:30–8:40am Welcome (Ballroom)

Katherine Hartmann, MD, PhD

Professor, Department of Obstetrics & Gynecology Director, Center for Clinical and Translational Science

University of Kentucky

8:40–8:45am Keynote Speaker Introduction

William Stoops, PhD, Conference Chair
Associate Vice President for Research Integrity
Dr. William R. Willard Professor in Behavioral Science

University Research Professor Department of Behavioral Science

University of Kentucky

8:45–9:45am Morning Keynote (Ballroom)

"Intervention Optimization: An Innovative Paradigm for Translational Science"

Linda Collins, PhD, FSBM, FSRNT

Professor of Social & Behavioral Sciences and Biostatistics

Director, Center for Advancement and Dissemination of Intervention Optimization

School of Global Public Health

New York University

9:45-10:15am BREAK

10:15–11:30am Breakout Session – Novel Clinical Trial Designs: Opportunities and Challenges

(Meeting Room 9A)

Hilary L. Surratt, PhD, Session Co-Moderator

Associate Professor, Department of Behavioral Science, College of Medicine

University of Kentucky

Jamie L. Sturgill, PhD, Session Co-Moderator

Assistant Professor, Department of Microbiology, Immunology, and Molecular Genetics,

College of Medicine, University of Kentucky

10:15 "A SMART Approach to Personalized Cognitive Behavioral Therapy"

Shannon Sauer-Zavala, PhD, Associate Professor, Department of Psychology,

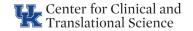
University of Kentucky; Matthew W. Southward, PhD, Assistant Professor, Department

of Psychology, The Ohio State University

10:35 "COVID-19 Platform Trials: A Tale of Two Studies"

Jamie L. Sturgill, PhD, Assistant Professor, Department of Microbiology, Immunology,

and Molecular Genetics, College of Medicine, University of Kentucky



10:55 "Community Clinical Trials: Using Cluster Randomized Trials to Assess Community-Level Vaccination Interventions"

Marc T. Kiviniemi, PhD MBA, Professor, Health Behavior and Society, College of Public Health, University of Kentucky; Kathryn M. Cardarelli, PhD MPH; Emily Slade, PhD; Diane Francis, PhD; Amy Herrington, DNP, RN, CEN, CNE; Anna Hoover, PhD; Kevin Pierce, MD; Jamie Sturgill, PhD; Rachel Gillespie, MS, University of Kentucky

11:15 "Optimizing PrEP Care Delivery through Adaptive Intervention Strategies for Underserved Rural People Who Inject Drugs: A SMART Design"

Hilary L. Surratt, PhD, Associate Professor, Department of Behavioral Science, College of Medicine, University of Kentucky; Elizabeth M. Arnold, PhD, Laura C. Fanucchi, MD, Philip Westgate, PhD, University of Kentucky; Christie Green, MPH, Cumberland Valley District Health Department; Rebecca Rains, MSW, Knox County Health Department; Nikita L. Vundi, DrPH, Madison County

10:15–11:30am

Breakout Session – Pragmatic Trials: Facilitating the Translation of Evidence into Practice (Meeting Room 9B)

Laurie McLouth, PhD, Session Co-Moderator

Assistant Professor, Department of Behavioral Science, College of Medicine University of Kentucky

Mary E. Lacy, PhD, Session Co-Moderator

Assistant Professor, Department of Epidemiology and Environmental Health, College of Public Health
University of Kentucky

10:15 "Overview of Pragmatic Trials"

Mary E. Lacy PhD, Assistant Professor, Department of Epidemiology and Environmental Health, College of Public Health, University of Kentucky

10:25 "Improving the Quality of Cancer Care through Pragmatic Trials"

Timothy W. Mullett, MD, MBA, FACS, Professor, Division of Cardiothoracic Surgery, College of Medicine, University of Kentucky

10:40 "Clinic Practitioner and Support Staff Perceptions of Implementation Strategies to Increase Patient Referrals to DSMES"

Aaron J. Kruse-Diehr, PhD, Associate Professor, Department of Family & Community Medicine, College of Medicine, University of Kentucky

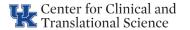
10:55 "Key Ingredients to Successful Pragmatic Trials: Adaptation and Advocacy" Matthew L. Bush, MD, PhD, MBA, FACS, Professor and Chair, Department of Otolaryngology - Head and Neck Surgery, College of Medicine, University of Kentucky

11:10 Discussant

Laurie McLouth, PhD, Assistant Professor, Department of Behavioral Science, College of Medicine, University of Kentucky

11:20 Question & Answer

Audience/Panel



10:15–11:30am Breakout Session – Institute for Biomedical Informatics Oral Presentation Session (Meeting Room 11)

Jeffery Talbert, PhD, Session Moderator

Professor, Division Chief for Biomedical Informatics, College of Medicine Director, Institute for Biomedical Informatics University of Kentucky

10:15 "Probing the Neural Bases of Individual Differences in Reward Sensitivity: Applications of Machine Learning Methods"

Alison Schreiber, PhD, Assistant Professor, Department of Psychiatry, College of Medicine, University of Kentucky

10:35 "Muscle Ultrasound is Ideally Suited for Optimal Evaluation of Functional Recovery after Critical Illness"

Sanjay Dhar, MD, Department of Internal Medicine, College of Medicine, University of Kentucky

10:55 "Prompting Medical Vision-Language Models to Mitigate Diagnosis Bias by Generating Realistic Dermoscopic Images"

Nursat Munia, BS, Graduate Student, Department of Computer Science, Stanley and Karen Pigman College of Engineering, University of Kentucky

11:15 "VAMP8-Dependent Platelet Secretion Drives Aneurysm Progression: Insights from Clinical and Experimental Models"

Shayan Mohammadmoradi, PhD, Postdoctoral Scholar, Department of Molecular and Cellular Biochemistry, College of Medicine, University of Kentucky

10:15-11:30am

Breakout Session – Introducing Advarra eSource+EDC: CRSO's New Research Tool for Study Teams (Meeting Room 12)

Panel:

Eric Bucholz, PhD, Research System Administrator

Marlene Starr, PhD, Associate Professor and Chief, Division of Research, Department of Surgery

Jessica Heskel, MBA, Executive Director CRSO

Hany Elkholy, PMP, Markey Cancer Center Research System Educator

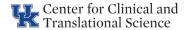
Stephanie Cason, CCRP, Research System Educator

Joy Kimbrough, BSN, RN, CCR, MBA, Clinical Research Nurse Coordinator, Department of Surgery

Teressa Roberts, MBA,RN, BSN, OCN, CCRP, Clinical Research Nurse Manager Markey Cancer Center

Ashley Tabor, Data Management Analysist Senior

- 10:15 eSource+EDC Overview
- 10:50 System Demo
- 11:05 Question & Answer



10:15–11:30am Breakout Session – Community-Driven Success: Engagement through Cooperative Extension (Meeting Room 13)

Jennifer L. Hunter, PhD, Session Co-Moderator

Acting Associate Vice President for Land-grant Engagement Director, School of Human Environmental Sciences, University of Kentucky Assistant Extension Director, Family and Consumer Sciences Extension Professor, Human Environmental Sciences

Alison Davis, PhD, Session Co-Moderator

Assistant Vice President for Land-grant Engagement Executive Director, Blueprint Kentucky Extension Professor, Agricultural Economics

10:15 Panel Discussion

Nicole Breazeale, PhD, Associate Extension Professor, Community and Leadership Development

Alex Elswick, PhD, Assistant Extension Professor, Substance Use Prevention and Recovery

Rachel Guidugli, EdD, Assistant Extension Director for 4-H Youth Development **Katherine Jury,** Senior Extension Specialist, Family and Community Health **Mark Mains, PhD,** Extension Director for Workforce and Engagement, Blueprint Kentucky

Heather Norman-Burgdolf, PhD, Associate Extension Professor, Dietetics and Human Nutrition

Kayla Watts, Area Extension Director, Extension Field Programs

10:15–11:30am Breakout Session – Modern Adaptive Trial Design (Meeting Room 14A)

Kert Viele, PhD, Session Moderator Director of Research, Berry Consultants

10:15 "Platforms, RAR, Enrichment, and More: A Review of Current Trends in Adaptive Design"

Corrine Elliott, PhD, Statistical Scientist, Berry Consultants

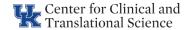
10:35 "A Case Study in Adaptive Design: The STEP Platform Trial"

Eva Mistry, MD, MSc, Associate Professor, Neurology and Rehabilitation, University of Cincinnati

10:55 "Adaptive Vaccine Trials: COVID and Post-COVID"

Kurt Viele, PhD, Director of Research, Berry Consultants

11:15 Open Discussion



Central Bank Center

10:15–11:30am Opportunities in AI to Change Study Design Approaches: An Interdisciplinary

Discussion Panel (Meeting Room 14B)

Katherine Thompson, PhD, Moderator

Associate Professor, Dr. Bing Zhang Department of Statistics

College of Arts and Sciences

Principal Investigator, Artificial Intelligence and Machine Learning Hub

University of Kentucky

10:15 Introduction of the UK AI/ML Hub and Panelists

10:30 Panel Discussion

Ken Campbell, PhD

Professor, College of Medicine, Department of Internal Medicine

Director of Translational Research, Division of Cardiovascular Medicine

Director, CCTS Biospecimens Core

Director, Gill Cardiovascular Biorepository

University of Kentucky

Zeya Wang, PhD

Assistant Professor, Dr. Bing Zhang Department of Statistics, College of Arts and Sciences

Co-Investigator, Artificial Intelligence and Machine Learning Hub

University of Kentucky

Cody Bumgardner, PhD

Director, Center for Applied Artificial Intelligence in the Institute for Biomedical Informatics

Assistant Dean, Artificial Intelligence and Data Science, College of Medicine

Associate Professor University of Kentucky

Lina Sharab, DDS

Associate Professor, Division of Orthodontics

Director of the Craniofacial Biology Externship Program

College of Dentistry University of Kentucky

11:30am–12:15pm Frederick Douglass High School Poster Session (Ballroom 2)

11:30am–12:30pm Von Allmen Center for Entrepreneurship Poster Pitch Competition

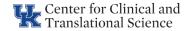
(Ballroom Stage)

11:30am-1:00pm Lunch (Ballroom)

11:30am-1:00pm Poster Sessions (Ballrooms 2-3 & Lobby)

1:00–1:15pm BREAK

1:00–2:40pm College of Health Sciences Research Day (Meeting Room 10)



Central Bank Center

1:15–1:45pm Awards and Recognitions (Ballroom)

Philip A. Kern, MD

Professor and University Research Professor

Department of Internal Medicine, Division of Endocrinology

College of Medicine

Co-Director, Center for Clinical and Translational Science

University of Kentucky

1:15–2:45pm College of Dentistry Research Day Donald E. Knapp Memorial Lecture

(Meeting Rooms 7 & 8)

1:45–1:50pm Keynote Speaker Introduction (Ballroom)

William Stoops, PhD, Conference Chair

Associate Vice President for Research Integrity

Dr. William R. Willard Professor in Behavioral Science

University Research Professor Department of Behavioral Science

University of Kentucky

1:50–2:45pm Afternoon Keynote (Ballroom)

"Contemporary Clinical Trials: Current Advances and the Role of Al"

Chris Lindsell, PhD

Professor of Biostatistics & Bioinformatics

Director, DCRI Biostatistics

Co-Chief. Division of Biostatistics & Bioinformatics

Duke University

2:45-3:00pm BREAK

3:00-4:00pm Poster Session – College of Health Sciences (Lobby)

3:00-5:00pm Poster Session - College of Dentistry (Ballroom 3)

3:00-5:00pm College Research Days

Internal Medicine Research Day (Meeting Room 13)

College of Nursing Scholarship Showcase (Meeting Room 9B)

College of Medicine Research Day (Meeting Room 12)

3:00-5:00pm CCTS Clinical Research Oral Presentation Session (Meeting Room 14A)

Victoria King, PhD, Session Co-Moderator

Associate Professor, Department of Internal Medicine

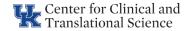
College of Medicine

Career Development Director, Center for Clinical and Translational Science

University of Kentucky

Lauren Whitehurst, PhD, Session Co-Moderator

Assistant Professor, Department of Psychology, College of Arts and Sciences Director of Team Science, Center for Clinical and Translational Science Associate Director, Center for Health, Engagement, and Transformation



University of Kentucky

- 3:00 "Catalyzing Community Action through Precision Public Health Analytics"
 Margaret McGladrey, PhD, Assistant Professor, College of Public Health, University of Kentucky
- 3:15 "Prevalence of Housing Insecurity Among Hospitalized Patients"

 Lynden Bond, PhD, Assistant Professor, College of Social Work, University of Kentucky
- 3:30 "Buprenorphine Utilization Following Removal of Prior Authorization Requirements in the Kentucky Medicaid Population"

 Dustin Miracle, PharmD, PhD, Postdoctoral Fellow, Department of Biostatistics, College of Public Health, University of Kentucky
- 3:45 "Protocol for Assessing the Impact of a Plant-Based Diet for Diabetes Prevention: Pilot Study"

Kayla Anderson, MPH, Graduate Student, Department of Pharmacology and Nutritional Sciences, College of Medicine, University of Kentucky

4:00 "Culturally Targeting Infographic Messages to Increase Alzheimer's Prevention Among Black Adults"

Yolanda Jackson, MS, Graduate Student, College of Communication and Information, University of Kentucky

4:15 "Neonatal Intensive Care for Queer (NICQu) Families: An Update from the NICQu Families Research Team"

Olivia Yinger, PhD, Professor, School of Music, College of Fine Arts, University of Kentucky

4:30 "Evaluating Cannabidiol as a Novel Therapeutic in the Treatment of Subarachnoid Hemorrhage"

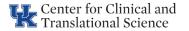
Saif Ahmed, BS, Medical Student, College of Medicine, University of Kentucky

4:45 *"Pancreatic Amylin as a Novel Biomarker for Pancreatitis-related Diabetes"*Nirmal Verma, PhD, Assistant Professor, Department of Pharmacology and Nutritional Sciences, College of Medicine, University of Kentucky

3:00-5:00pm CCTS Translational Science Oral Presentation Session (Meeting Room 9A)

Joel Thompson, PhD, Session Co-Moderator Chief Scientific Officer Center for Clinical and Translational Science University of Kentucky

Yosra Helmy, PhD, Session Co-Moderator Assistant Professor, Department of Veterinary Science Martin-Gatton College of Agriculture, Food and Environment University of Kentucky



- 3:00 "Estrogen Receptor Alpha Regulates the Liver Circadian Clock in Female Mice" Victoria Alvord, MS, Graduate Student, Department of Biology, College of Arts and Science, University of Kentucky
- 3:15 "The Impact of Highly Effective Modulator Therapies (HEMTs) on the ABCG5 ABCG8 Sterol Transporters"

Meredith Campbell, BS, Graduate Student, Department of Physiology, College of Medicine, University of Kentucky

3:30 "Liposomal Clodronate Causes Macrophage Depletion Following Severe Highthoracic Spinal Cord Injury"

Sajeev Kaur, PhD, Postdoctoral Scholar, Spinal Cord and Brain Injury Research Center, College of Medicine, University of Kentucky

3:45 "Mapping Of Noradrenergic Neurons in Adult Offspring with Prenatal Fentanyl Exposure Using Light-Sheet Microscopy"

Analia Loria Kinsey, PhD, Associate Professor, Department of Pharmacology and Nutritional Sciences, College of Medicine, University of Kentucky

4:00 "Plasminogen Activator Inhibitor-1 Deficiency Augments Hypertension-induced Cardiac, But Not Aortic Pathology in Mice"

Alex Pettey, BS, Graduate Student, Department of Physiology, College of Medicine, University of Kentucky

4:15 "Enhancing TIL Efficacy in NSCLC through Epigenetic Reprogramming and Computational Modeling"

Daniel Plaugher, PhD, Postdoctoral Fellow, Department of Toxicology and Cancer Biology, College of Medicine, University of Kentucky

4:30 "UKY-86 as a Novel Pharmacological Treatment for Methamphetamine Use Disorder (MUD)"

Mallory Wardell, Undergraduate Student, Department of Psychology, College of Arts and Sciences, University of Kentucky

4:45 "Maternal Opioid Use with and without HCV Infection Disrupts the Structure and Immune Landscape of Placenta"

Heather True, PharmD, Graduate Student, Department of Microbiology, Immunology, and Molecular Genetics, College of Medicine, University of Kentucky

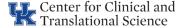
3:00–5:00pm Institute for Biomedical Informatics Oral Presentation Session (Meeting Room 11)

Jeffery Talbert, PhD, Session Moderator

Professor, Division Chief for Biomedical Informatics, College of Medicine Director, Institute for Biomedical Informatics University of Kentucky

3:00 "Advancing Research and Innovation Through AI"

Samuel Armstrong, MS, Software Engineer, Institute of Biomedical Informatics Center for Applied AI, University of Kentucky



3:15 "Predicting Adverse Effects for Antifibrotic Therapy in Pulmonary Fibrosis Using Large Digital Twins."

Ishanu Chattopadhyay, PhD, Assistant Professor, College of Medicine, University of Kentucky

3:30 "Physician Assistant Student Attitudes Toward the Utilization of AI to Enhance Psychiatry Skill Development"

Yuyan Xia, PhD, Postdoctoral Scholar, Department of Physical Therapy and **Cheryl Vanderford**, MPAS, PA-C, Assistant Professor, Department of Physician Assistant Studies, College of Health Sciences, University of Kentucky

3:45 "Quality Assessment of Al-Generated Response to Patient-Reported Information Gaps Regarding HPV Oropharyngeal Cancer"

Patrick Bidros, BA, Medical Student, College of Medicine, University of Kentucky

4:00 "Swin-KAT: Advancing Swin Transformer with Kolmogorov-Arnold Network for CT Image Quality Assessment"

Kazi Ramisa Rifa, BS, Graduate Student, Department of Computer Science, Stanley and Karen Pigman College of Engineering, University of Kentucky

4:15 "Multi-Omic and Biochemical Profiling of Heart Failure Specimens at the University of Kentucky"

Austin Minton, BS, Graduate Student, Departments of Physiology and Internal Medicine, College of Medicine, University of Kentucky

4:30 "The Applicability of Google Lens in Dermatology: A Retrospective Diagnostic Accuracy Study in Over 150 Patients"

Mindy Baker, BS, Medical Student, Department of Dermatology, College of Medicine, University of Kentucky

3:00-5:00pm Examining Lived Experiences and Health: Research Findings from DREAM/SPARK Scholars (Meeting Room 14B)

Adebola Adegboyega, PhD, Session Co-Moderator

Assistant Professor, College of Nursing University of Kentucky

Lovoria B. Williams, PhD, APRN-BC, FAANP, FAAN, Session Co-Moderator

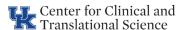
Professor, College of Nursing, University of Kentucky

Associate Director, Sally Humphrey Research Professor Cancer Health Equity, Markey Cancer Center

Associate Director, Center for Clinical and Translational Science University of Kentucky

Darlingtina Esiaka, PhD, Session Co-Moderator

Assistant Professor Department of Behavioral Sciences University of Kentucky



3:00 "The Relationship among Perceived Environmental Exposures, Socioeconomic Factors, and Chronic Disease Outcomes"

Mandy Dickerson, Undergraduate Student, College of Public Health, University of Kentucky

3:15 "The Impact of Adverse Childhood Experiences on COVID-19-Related Stress and Mental Health in Emerging Adults"

Botshelo Angoma, Undergraduate Student, College of Arts and Sciences, University of Kentucky

3:30 "A Collaborative Model for Diabetes Education: Connecting RDNs and Promotores de Salud"

Eduardo Soria Chiroque, Undergraduate Student, College of Arts and Sciences, University of Kentucky

3:45 "The Impact of Adultification Bias on Self-Image and Academic Success Among Black Women"

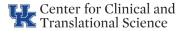
Keyoncee Washington, Undergraduate Student, Kentucky State University

4:00 "Genetic Risk and Perceived Neighborhood Disorder with Dementia Across Diverse Populations: Results from All of Us"

Xian Wu, PhD, Postdoctoral Scholar, Department of Biostatistics, College of Public Health, University of Kentucky

4:15 *"A Meta-analysis of Labor Determinants and Sleep Health across the Lifespan"* **Jillian Silva-Jones, MA,** Graduate Student, Department of Psychology, College of Arts and Sciences, University of Kentucky

4:00–5:00pm Poster Session – College of Nursing (Ballroom 3)



Tuesday, April 1, 2025

Central Bank Center

Pioneering Pathways: Innovative Trial Design in Translational Science

College of Medicine Research Day

11:30-1:00pm Poster Session (Ballrooms 2 & 3)

1:15–1:45pm Awards & Recognition

1:45–2:45pm Keynote Presentation

"Contemporary Clinical Trials: Current Advances and the Role of Al"

Chris Lindsell, PhD

Professor of Biostatistics & Bioinformatics

Duke University

3:00-5:00pm College of Medicine Research Day Oral Presentations (Meeting Room 12)

Rebecca Dutch, PhD, Session Co-Chair

Vice Dean of Research Professor, Department of Molecular and Cellular Biochemistry College of Medicine University of Kentucky

Andrea McCubbin, MPH, Session Co-Chair

Associate Dean for Research Administration College of Medicine University of Kentucky

3:00 "Hematological and Cytokine Alterations in a Rat Model of Sepsis Survivor following Spinal Cord Injury"

Tanisha Garg, Undergraduate Student, University of Kentucky

- 3:15 "Frailty in Chronic Pancreatitis Linked to Worse Inpatient Outcomes"
 Radmila Choate, PhD, Faculty, Department of Epidemiology & Environmental Health,
 College of Public Health, University of Kentucky
- 3:30 "Timeline of B Cell Maturation in the Skull, Femur, and Dura After Ischemic Stroke in Mice"

Annabel McAtee, BS, MD/PhD Student, Department of Neuroscience, College of Medicine, University of Kentucky



Tuesday, April 1, 2025

Central Bank Center

- 3:45 "Conserved cis-regulatory elements are critical for circadian regulation of human ion channel gene promoters in the heart"
 - **Ezekiel Rozmus, BS,** Graduate Student, Department of Physiology, College of Medicine, University of Kentucky
- 4:00 "Distal Interlocking Screw Backout in New-Generation Retrograde Femoral Nails: A Retrospective Comparative Study"

 Kameron Kraus, BS, Medical Student, College of Medicine, University of Kentucky
- 4:15 "Cardiac remodeling, recognition memory deficits and accelerated aging in rat females with prior gestational diabetes?"
 Vivek Pandey, PhD, Post-doctoral Scholar, Department of Pharmacology and Nutritional Sciences, College of Medicine, University of Kentucky
- 4:30 "Variants of Unknown Clinical Significance (VUSs) in Pediatric Cancer Patients at the University of Kentucky"

 Alexander Graden, BS, Medical Student, College of Medicine, University of Kentucky
- 4:45 "Dim Light at Night Causes a Loss in the 24-hour Rhythm of Heart Rate in db/db Mice?"
 - **Abhilash Prabhat, PhD,** Post-doctoral Scholar, Department of Physiology, College of Medicine, University of Kentucky

Central Bank Center

Pioneering Pathways: Innovative Trial Design in Translational Science

Department of Internal Medicine Research Day

11:30am-1:00pm Poster Session (Ballrooms 2 & 3)

3:00–5:00pm Department of Internal Medicine Research Day (Meeting Room 13)

3:00 Welcome

Darwin Conwell, MD

Chair, Department of Internal Medicine

3:05 Introductory Remarks

Simon Fisher, MD, PhD

Vice-Chair for Research, Department of Internal Medicine Chief, Division of Endocrinology, Diabetes and Metabolism

Director, Barnstable Brown Diabetes Center

3:10-3:55 Department of Internal Medicine Research Presentation

Scientific presentations co-chaired by:

Barbara Nikolaczyk, PhD
Associate Vice Chair for
Basic Research

Kirby Mayer, DPT, PhD
Associate Vice Chair for
Clinical Research

3:10 "Deletion of Carnitine Palmitoyltransferase 1a from Adipocytes Leads to

Insulin Resistance in Female Mice"

Nikitha Dharanipragada Undergraduate Student Department of Physiology

3:25 "Edaravone Protects the Hippocampus from Brain Damage Following

Insulin-Induced Severe Hypoglycemia

Andrea Thompson, BSGraduate Research Assistant

Department of Pharmacology and Nutritional Sciences

3:40 "Cdkn2a Variants exacerbate DNA Damage-Associated Myocardial Fibrosis

in Various Cardiomyopathies" Nastaran Daneshgar, MD, PhD

Postdoctoral Research Fellow

Department of Internal Medicine, Division of Cardiovascular Medicine



20th Annual CCTS Spring Conference

Tuesday, April 1, 2025 **Central Bank Center** "From Acute Coronary Syndromes and Cardiomyopathy to Fatal 3:55 **Arrhythmias: Re-challenging 5-Fluoropyrimidine Cardiotoxicity**" Shyla McMurtry, MD Resident Department of Internal Medicine "Obesity-Associated Inflammatory Responses are Significantly Modified by 4:10 **Insulin Sensitivity and Sex**" Aida Javidan, PhD Scientist II Department of Pharmacology and Nutritional Sciences 4:25 "Evaluation of Privacy-Focused Endoscopy Data Extraction Using a **Lightweight Open-Source Local Language Model**" Rebecca Fine Medical Student 4:40 "PAQR4 impacts liver metabolic remodeling by mediating ceramide levels and hepatokine signaling" Qingzhang Zhu, PhD Assistant Professor Department of Internal Medicine and Barnstable Brown Diabetes Center

4:55 Closing Remarks



Central Bank Center

Pioneering Pathways: Innovative Trial Design in Translational Science

College of Health Sciences Research Day

1:00–4:00pm College of Health Sciences Research	Day (Meeting Room 10)
---	-----------------------

1:00 Welcome Remarks

Brian Noehren, PT, PhD, FACSM, Associate Dean for Research, College of Health Sciences, University of Kentucky

1:05 "Disuse Atrophy, Muscle Rehabilitation and Therapeutic Opportunities in Older Adults"

Micah Drummond, PhD

Professor

Department of Physical Therapy and Athletic Training Director of Graduate Studies, Rehabilitation Sciences Molecular Medicine Program

University of Utah

1:35 "Prevention Is the Best Policy"

Lindsay DiStefano, PhD, ATC, FNATA

Professor

Associate Vice President of Research Development University of Connecticut

2:05 "Development and Direction of the Differential Diagnosis Project"

Ryan Hunton, DHSc, PA-C

Assistant Professor

Department of Physician Assistant Studies

University of Kentucky

2:20 "Identifying Disparities of Rehabilitation Delivery in Survivors from Critical Illness"

Felipe Gonzalez Sequel, PT,MSc

PhD Student – Rehabilitation Sciences Program, College of Health Sciences University of Kentucky

2:30 Panel Discussion

Brian Noehren, PT, PhD, FACSM, Moderator

Micah Drummond, Lindsay DiStefano, Ryan Hunton, Felipe Gonzalez Seguel



Tuesday, April 1, 2025

Central Bank Center

3:00-4:00pm Poster Session (Main Street Lobby)

Tuesday, April 01, 2025

Central Bank Center

Pioneering Pathways: Innovative Trial Design in Translational Science

College of Nursing Scholarship Showcase

3:00–4:00pm	Podium Presentations (Meeting Room 9B)
3:00	Welcome Remarks Amanda Fallin-Bennett, PhD, RN Associate Professor, College of Nursing, University of Kentucky
3:10	"Mothers Perception of Hospital Adherence to the Ten Steps to Successful Breastfeeding Predicts EBF in Latinx Mothers" Jordyn Frapolly, Undergraduate Student, College of Nursing, University of Kentucky
3:25	"Primary Nurse Framework: All-Registered Nurse Staff Model in Trauma Surgical and Abdominal Transplant Critical Care Unit" Jeanette Sanders, DNP Nursing Student, College of Nursing, University of Kentucky
3:40	"Family functioning is associated with dietary behaviors in Latino(a) adults at risk for T2D and CVD" Natalie Hawes, PhD Nursing Student, College of Nursing, University of Kentucky
3:55	Closing Remarks Amanda Fallin-Bennett, PhD, RN Associate Professor, College of Nursing, University of Kentucky
4:00-5:00pm	Poster Presentations (Ballroom)



Pioneering Pathways: Innovative Trial Design in Translational Science

College of Dentistry Research Day

1:15–2:45pm Donald E. Knapp Memorial Lecture (Meeting Rooms 7 & 8)

Luciana M. Shaddox, DDS, MS, PhD, Session Chair Associate Dean of Research Professor, College of Dentistry University of Kentucky

"The Use of Biobanks and Innovative Trial Designs in Dentistry"
Luigi Nibali

Lead of the Centre for Host-Microbiome Interactions (CHMI)
Co-Lead of the Oral Clinical Research Centre (OCRU)
Professor of Periodontology/Honorary Consultant/Academic Lead
Director of Postgraduate Programme in Periodontology
King's College London, London, UK

3:00-5:00pm Poster Session (Ballrooms 2 & 3)

