




2025 Midwest Clinical & Translational Research Meeting

APRIL 14-15, 2025 INTERCONTINENTAL CHICAGO MAGNIFICENT MILE

Program

Monday
April 14, 2025

Tuesday
April 15, 2025

Monday, April 14, 2025		Meeting Room
7:00 am – 5:00 pm	Registration Table	King Arthur Foyer (third floor)
7:30 am – 8:30 am	Breakfast	Camelot Ballroom (third floor)
8:00 am – 8:25 am	CSCTR Membership Meeting	Streeterville Room (ground floor)
	 <p><u>David Kennedy, PhD</u> President, CSCTR Associate Professor of Medicine University of Toledo College of Medicine and Life Sciences</p>	
8:30 am – 8:40 am	Welcome and Opening Remarks	King Arthur Court (third floor)
	 <p><u>David Kennedy, PhD</u> President, CSCTR Associate Professor of Medicine University of Toledo College of Medicine and Life Sciences</p>	
	 <p><u>Jeffrey Salomon, MD, MBA</u> Councilor, CSCTR Midwestern Chair, AFMR Midwestern Region Pediatric Critical Care Medicine Physician University of Nebraska Medical Center</p>	

MWAFMR Career Development Workshop

Moderators:



[Laneshia Tague, MD, MSCI](#)
Secretary-Treasurer, AFMR Midwestern Region
Assistant Professor of Medicine
Washington University in Saint Louis



[Jennifer Alexander-Brett, MD, PhD](#)
President-Elect, CSCTR
Past Chair, AFMR Midwestern Region
Assistant Professor of Medicine
Washington University School of Medicine in St. Louis



Bella Z. Khatib-Shahidi, BS
Medical Student
University of Toledo College of Medicine and Life Sciences

Speakers:

Building Your Research Network

This talk will emphasize the importance of building a research network as part of career development/advancement and guidance on how to do that successfully. Dr. Mikuls will share some personal experiences with the VARA group and mentoring in that context.



[Ted R. Mikuls, MD, MSPH](#)
Stokes-Shackelford Professor of Rheumatology
University of Nebraska Medical Center

Using Aggregated, De-identified Electronic Health Record Data for Scientific Discovery

In this session viewers gain exposure to aggregated, de-identified electronic health record data tools, especially TriNetX and Epic's Cosmos Data Network. They will learn what these tools are and how the hundreds of millions of patients' data in these tools can be used for scientific discovery.



[David Kaelber, MD, PhD, MPH, FAAP, FACP](#)
Associate Professor
Case Western Reserve
School of Medicine

Department of Population and Quantitative Health

New Investigator Session

Moderator:



[Suthat Liangpunsakul, MD, MPH](#)
Past President, CSCTR
Professor of Medicine
Indiana University School of Medicine



Prabhatchandra Dube, PhD
Research Associate
University of Toledo College of Medicine and Life Sciences

Presenters:

Outstanding Young Investigator

PDK4-Mediated Formation of the Ca²⁺-Channeling Complex at the ER-Mitochondria Interface Contributes to the Development of Alcohol-Associated Liver Disease

Mitochondrial dysfunction played a central role in alcohol-associated liver disease (ALD), with Ca²⁺ overload-induced mitochondrial damage as a key mechanism. The formation of mitochondria-associated endoplasmic reticulum (MAM) membranes, which facilitated the transfer of Ca²⁺ from the ER to mitochondria, contributed to mitochondrial Ca²⁺ accumulation and dysfunction. However, the exact mechanisms underlying mitochondrial Ca²⁺ accumulation in ALD remained poorly understood. In this study, we explored the role of MAMs in ALD pathogenesis. We found that alcohol enhanced MAM formation, promoting the formation of a MAM Ca²⁺-channeling complex (MCCC) composed of IP3R1, VDAC1, and GRP75. Additionally, we demonstrated that the MAM-associated protein pyruvate dehydrogenase kinase 4 (PDK4) regulated MCCC formation by phosphorylating GRP75, leading to mitochondrial Ca²⁺ overload, mitochondrial dysfunction, and liver injury. These findings highlighted PDK4 as a potential therapeutic target for ALD and offered new insights into the pathogenesis and treatment of this increasingly prevalent condition.



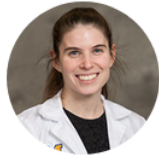
Themis Thoudam, PhD
Division of Gastroenterology and Hepatology
Indiana University School of Medicine

2023 Early Career Development Awardee

Mapping the Neural Circuits that Drive Stress-Induced Hyperglycemia

During critical illness, glucose mobilization leads to “stress-hyperglycemia”, an adaptive process that promotes survival. Both inadequate and excessive glucose mobilization is associated with increased in-hospital mortality and the precise glycemic target for each individual is unknown. Achieving the appropriate degree of glucose mobilization during stressful situations depends on central nervous system coordination of the various components of the glycemic response to stress, including HPA axis activation and catecholamine release. We have identified distinct populations of neurons in the hypothalamus that control different glycemic stress response components, indicating that optimal stress hyperglycemia is coordinated across multiple neural circuits. These findings

lay the groundwork for establishing the specific mechanisms through which the brain coordinates glucose mobilization during stress, a key step in identifying targeted treatments for managing stress hyperglycemia.



[Alison Affinati, MD, PhD](#)

*Assistant Professor
University of Michigan*

2024 Early Career Development Awardees

Distinct Histopathological Phenotypes of Severe Alcoholic Hepatitis Suggest Different Mechanisms Driving Liver Injury and Failure

Our study identifies distinct patterns of hepatic inflammatory cell infiltration in patients with severe alcoholic hepatitis (SAH), linking neutrophil infiltration to disease severity. Hepatic neutrophil cytosolic factor 1 (NCF1) is upregulated in SAH and correlates with neutrophil presence. Using Ncf1 knockout mice, the study shows that loss of Ncf1 reduces neutrophil accumulation, liver injury, and inflammation in ethanol-induced liver injury.



[Jing Ma, MD, PhD](#)

*Assistant Research Professor of Medicine
Indiana University School of Medicine*

Preventing Cardiovascular Disease in South Asians: A New Focus on the 2nd Generation

People of South Asian ethnicity experience high rates of cardiovascular disease and excess burden of cardiovascular and metabolic risk factors at younger ages compared with other groups. Reasons for this disproportionately high prevalence of cardiovascular diseases remain under investigation. In the United States, the 2nd generation South Asian community is rapidly growing. Dr. Shah's research focuses on understanding earlier-life development of cardiovascular risk factors in this population, with a goal to develop and implement adapted and contextualized cardiovascular disease prevention strategies across the life course.



[Nilay Shah, MD, MPH](#)

*Assistant Professor
Northwestern University Feinberg School of Medicine*

Skeletal muscle regulation of hepatic responses

Hepatocellular cancer (HCC) is a malignancy with a poor outcome with limited preventive approaches. Cirrhosis remains the major risk factor for HCC, and both cirrhosis and HCC are associated with sarcopenia, a frequent complication of liver disease and cirrhosis. A number of interventions have been suggested to reverse sarcopenia in liver disease by targeting the mediator(s) of the liver-muscle axis. Our preliminary studies in vivo in preclinical models have shown that skeletal muscle can regulate hepatic biological

processes, including hepatic fibrosis and steatosis, risk factors for HCC. We have previously reported that myostatin, a transforming growth factor beta superfamily member, mediates sarcopenia in liver disease. Conditioned medium from murine C2C12 myotubes with depletion of myostatin and increased protein synthesis and myotube diameter decreased murine HCC cell proliferation and viability. We also observed less muscle expression of myostatin in voluntary wheel running (VWR) than in usual activity mice. Interestingly, others have reported that hyperammonemia (a consistent metabolic perturbation in cirrhosis) caused increased hepatic stellate cell activation and collagen deposition and we have shown that hyperammonemia is a mediator of the liver muscle axis. We also observed that muscle molecular, metabolic, functional, and multiomics responses to hyperammonemia were reversed by VWR. Additionally, gut dysbiosis, which is also believed to contribute to HCC, was reversed by VWR. Perivenous fibrosis during hyperammonemia in mice was also reversed by VWR. These data provide the mechanistic basis for the clinical observation of beneficial responses of exercise to lower HCC prevalence in humans. Our ongoing studies in mice with muscle-specific deletion of myostatin with intraperitoneal diethylnitrosamine (DEN) with a high-fat diet and VWR mice with DEN/HFD, will provide the rationale for exercise-induced beneficial responses via myoexerkines, including less myostatin expression in skeletal muscle. These transformative studies are likely to be a novel strategy for HCC prevention in cirrhosis while simultaneously restoring skeletal muscle mass.



[Nicole Welch, MD](#)

Assistant Professor of Medicine

Cleveland Clinic Lerner College of Medicine

12:15 pm – 1:15 pm

Lunch

Camelot
Ballroom
(third floor)

1:00 pm - 5:00 pm

Setup posters for Monday, April 14th 5:30 pm session

Avenue
Ballroom
(ground floor)

1:15 pm – 2:15 pm

Department Chair Session

King Arthur
Court
(third floor)

Moderators:



[Steven Dudek, MD](#)

Past President, CSCTR

Professor of Medicine

University Illinois at Chicago



Sudheer Dhoop, MD

Chief Resident

Internal Medicine Residency Program

University of Toledo College of Medicine and Life Sciences

Speakers:

Advancing Medical Research: Innovations and Insights from Junior Faculty at UIC

This session will showcase innovative research by three junior faculty members in the Department of Medicine. This session will feature diverse topics spanning translational medicine, clinical research, and novel therapeutic strategies, highlighting the latest advancements in patient care and medical science. Each presenter will share their expertise, findings, and future directions. Whether you are a researcher, clinician, or student, this event offers a unique opportunity to engage with emerging leaders in the field and explore the future of medical research.



[Rachel Caskey, MD, MPP](#)

*Earl M. Bane Professor and Head
Department of Medicine
University of Illinois Chicago*



[Sarah Messmer, MD](#)

*Assistant Professor of Medicine and Pediatrics
University of Illinois Chicago*



[Marcos Munoz, PhD](#)

*Assistant Professor
University of Illinois Chicago*



[Andrea A. Pappalardo, MD](#)

*Associate Professor of Medicine and Pediatrics
University of Illinois Chicago*

2:15 pm – 2:25 pm

Coffee Break

Camelot
Ballroom
(third floor)

2:25 pm – 3:25 pm

Cardiology/Pulmonary Lecture

King Arthur
Court
(third floor)

Moderators:



[Jeffrey Salomon, MD, MBA](#)

*Councilor, CSCTR
Midwestern Chair, AFMR Midwestern Region
Pediatric Critical Care Medicine Physician
University of Nebraska Medical Center*



*Vaish Aradhyula, MS, BS
Fourth-year MD/MBA Student
University of Toledo College of Medicine*

Speaker:



[Ram Kumar Subramanyan, MD, PhD, FACS](#)

Chief, Pediatric Cardiothoracic Surgery

Professor of Surgery

Children's Nebraska/University Nebraska Medical Center

3:25 pm – 3:35 pm

Coffee Break

Camelot
Ballroom
(third floor)

***Concurrent Sessions:**

*3:35 pm – 4:30 pm

Annual Max Miller Lecture in Diabetes Research

Streeterville
Room
(ground floor)

Moderators:



[Dawn Belt Davis, MD, PhD](#)

Past President, CSCTR

Professor

University of Wisconsin – Madison



[Anupam Kotwal, MBBS, MSc](#)

Past Chair, AFMR Midwestern Region

Assistant Professor of Medicine

University of Nebraska Medical Center



[Heidi Christian, MD, MS](#)

Pathology Resident

University of Illinois Hospital and Health Sciences System

Speaker:

Mitochondria and the regulation of pancreatic beta cell fate

Type 1 and type 2 diabetes, the most common forms of the disease, share the common pathology of dysfunctional insulin-producing pancreatic beta cells. Despite their roles in energy production in beta cells and other metabolic tissues, how abnormal mitochondria contribute to diabetes remains unclear. In this lecture, new paradigms of the importance of mitochondria in the fate of metabolic tissues will be discussed, including methods to overcome damaged mitochondria in diabetes and how to target mitochondria to enhance beta cell formation to treat diabetes.



[Scott Soleimanpour, MD](#)

Associate Professor

Director of the Michigan Diabetes Research Center

University of Michigan

Inflammation, Immunity, and Transplant

Moderators:



[Suman Setty, MBBS, PhD](#)

*Councilor, CSCTR
Associate Professor of Pathology
University of Illinois at Chicago*



[Syed Bukhari, MD, MSc](#)

*Chair-Elect, AFMR Midwestern Region
Vascular Medicine Fellow
Cleveland Clinic*



[Ruchi Naik, MD, PhD](#)

*Assistant Professor of Clinical Medicine
Fellowship Director- Transplant Nephrology
University of Illinois Chicago*

Speakers:

Recent Insights into the Role of Neutrophils in Primary Graft Dysfunction after Lung Transplantation

This lecture will discuss neutrophil-dependent mechanisms of lung ischemia-reperfusion injury that contribute to primary graft dysfunction (PGD) after lung transplantation. Emphasis will be placed on recent advances in neutrophil extracellular traps, neutrophil metabolism, and neutrophil heterogeneity, and how these preclinical insights could be leveraged to develop novel neutrophil-directed therapies for PGD.



[Davide Scozzi, MD, PhD](#)

*Assistant Professor
Norton Thoracic Institute at the St. Joseph's Hospital and Medical Center
Creighton University School of Medicine*

Tales from the gut: Novel strategy to mitigate complications in short bowel syndrome



[Ajay Jain, MD](#)

*Professor of Pediatrics, Pharmacology and Physiology
Director MD/PhD Program, School of Medicine
Saint Louis University*

Dissemination and Implementation Science Session

Moderators:



[Leena Bhattacharya Mithal, MD](#)
Associate Professor, Pediatrics (Infectious Diseases)
Northwestern University



[Jerry A. Krishnan, MD, PhD](#)
Past President, CSCTR
Associate Vice Chancellor for Population Health Sciences
Professor of Medicine and Public Health
Epidemiology and Biostatistics
University of Illinois Chicago

Speaker:

Beginning with the End in Mind: Designing for Dissemination and Sustainability

Translational science seeks to advance the implementation process of turning observations in the laboratory, clinic and community into interventions that improve the health of individuals and the public. This lecture will discuss a new implementation science framework: Designing for Dissemination and Sustainability (D4DS). This approach actively engages stakeholders in the design of interventions, policies or programs to ultimately increase their adoption, sustainability, and impact on health and health equity. D4DS is a continuous and iterative Fit-to-Context validation approach that occurs throughout Conceptualization, Design, Dissemination and Impact translational phases. Case application to implementing and sustaining a national Electronic Health Record research network will be reviewed.



[Elaine Morrato, DrPH, MPH, FISPE, CPH](#)
Professor
Dean of the Parkinson School of Health Sciences and Public Health
Loyola University Chicago

5:30 pm – 6:45 pm

Opening Reception and Moderated Poster Discussions

Wine, Beer, and Appetizers Served

Avenue
Ballroom
(ground floor)



[David Kennedy, PhD](#)

President, CSCTR

Associate Professor of Medicine

University of Toledo College of Medicine and Life Sciences



[Jeffrey Salomon, MD, MBA](#)

Councilor, CSCTR

Midwestern Chair, AFMR Midwestern Region

Pediatric Critical Care Medicine Physician

University of Nebraska Medical Center

Poster Research Categories

Click on a category to view abstracts.

[Case Reports](#)

[T0 Research/Science](#)

[T1 Research/Science](#)

[T2 Research/Science](#)

[T3 Research/Science](#)

[T4 Research/Science](#)

6:45 pm

Dinner (on your own)

Tuesday, April 15, 2025

**Meeting
Room**

7:00 am – 3:30 pm

Registration Table

King Arthur
Foyer
(third floor)

7:00 am – Noon

Setup posters for Tuesday, April 15th, 1:45 pm session

Avenue
Ballroom
(ground floor)

7:30 am – 8:30 am

Camelot
Ballroom
(third floor)

Mentor and Attendee Breakfast

8:00 am Table Switch

Halfway through the breakfast, participants are encouraged to change tables for additional mentoring.

1. Navigating the Maze: Mastering Human Subjects Research Policies
(for Clinical and Translational Research Staff and Investigators)
Mentor: Laneshia Tague, MD, MSCI and Mario Castro, MD, MPH
2. Research Harmony: 7 Habits of Highly Effective Research Managers
(for Clinical and Translational Research Staff and Investigators)
Mentor: Lynn B. Gerald, PhD, MSPH and Syed Bukhari, MD
3. Rise to the Top: Securing Leadership Roles in Regional & National Committees
Mentor: Attaya Suvannasankha, MD and Jennifer Alexander-Brett, MD, PhD
4. Priority Power: Mastering Communication & Negotiation for Success
Mentor: Jerry A. Krishnan, MD, PhD and Steven Dudek, MD
5. Mentor Match: Building Strong, Lasting Mentor/Mentee Relationships
Mentor: Anupam Kotwal, MBBS, MSc and David J. Kennedy, PhD
6. Women Who Balance: Thriving in Medicine & Science
Mentor: Tara G. Mehta, PhD and Sara Becker, PhD
7. Case Closed: Evolving from Case Reporter to Clinical Investigator
Mentor: Jeffrey Salomon, MD and Suthat Liangpunsakul, MD, MPH

8:45 am – 9:45 am

King Arthur
Court
(third floor)

AFMR Keynote Presentation

Moderators:



[Jeffrey Salomon, MD, MBA](#)

Councilor, CSCTR

Midwestern Chair, AFMR Midwestern Region

Pediatric Critical Care Medicine Physician

University of Nebraska Medical Center



Rajan Mediratta, MD

First-Year Resident

Loyola University Medical Center

Speaker:

Genomics-driven Identification of Novel Targets and AI-based Discovery of Drug Compounds for Lung Cancer

Overall, the lecture is on drug discovery, and it covers advances in precision medicine using genomics and AI-driven technologies. Lung cancer datasets were used in this study due to their availability in the public domain, however, the methodologies are broadly applicable to all domains that have appropriate genomics datasets.



[Chittibabu \(Babu\) Guda, PhD](#)

Professor

*Co-Director, Center for Biomedical Informatics Research and Innovation
University of Nebraska Medical Center*

9:45 am – 10:00 am

Coffee Break

Camelot
Ballroom
(third floor)

10:00 am – 11:00 am

Health Equity Session

King Arthur
Court
(third floor)

Moderators:



[Laneshia Tague, MD, MSCI](#)

*Secretary-Treasurer, AFMR Midwestern Region
Assistant Professor of Medicine
Washington University in Saint Louis*



[David Kennedy, PhD](#)

*President, CSCTR
Associate Professor of Medicine
University of Toledo College of Medicine and Life Sciences*



*Jonnelle Edwards-Glenn, PhD
Postdoctoral Scholar
Case Western Reserve University School of Medicine*

Speakers:

Community engagement with hyper-local air pollution monitoring in an industrialized neighborhood on Chicago's far southeast side



[Christopher Olopade, MD, MPH](#)

*Professor of Family Medicine
Professor of Medicine
The University of Chicago Medical Center*

Preliminary findings on the environment in the All of Research Program

We have conducted linkages of air and water pollutants into the All of Us Research program and have some interesting results on PM2.5, lithium, and radon. Preliminary findings will be presented with a discussion of future opportunities and directions.



[Briseis Aschebrook-Kilfoy, PhD, MPH](#)

*Professor of Family Medicine/Public Health Sciences
The University of Chicago*

Outstanding Young Investigator Award

Themis Thoudam, PhD

Oral Abstract Awards

Christian Ascoli, MD

Shelbi Erp, MD

Ghandi F. Hassan, MD

Kelsey Holbert, MD

Andrew O. Kearney, BA

Mohammed I. Lone

Sara Osorio-Valencia

Zhihong Yang

John Q. Yap, PhD

Travel Awards

Jazzmyn Dawes, BS

David Doss

Nikhil Furtado, BS

Smriti Gurung, PhD

Adrienne Johnson, PhD

Ranjana K. Kanchan, PhD

Upasana Shrestha, BS

Ava Wilson, PhD, MSPH

Top Three Poster Abstracts in each Research Category

Case Reports

Olaniyi Fadeyi

Israr Khan, MD

David G. Gonzalez Sanchez, MD

T0 Research/Science

Prabhatchandra Dube, PhD

Mariam Khwaja, BS

Mehruba Zaman, BS

T1 Research/Science

Helena Ikenberry

Jane Nakamura

Christen Vagts, MD

T2 Research/Science

Sarah Darski, MPH

Aidan Faller, BS

Denise Kent, PhD, APRN

T3 Research/Science

Angela C. Judd, MD

Alex J. Kloster, MD

Angelica Scanzera, OD, MPH

T4 Research/Science

Danyal Butt, MD

Ines Gonzalez Casanova, PhD

Megan E. Peterson, MPH, RN

11:30 am – 12:30 pm

Lunch

Camelot
Ballroom
(third floor)

12:30 pm – 1:30 pm

CSCTR John B. Hickam Endowed Lecture

King Arthur
Court
(third floor)

The John B. Hickam Endowed Lectureship was established in 1981 to honor John Hickam, President of CSCTR in 1970. At the time of his death in 1970, Dr. Hickam was Chair of Medicine at Indiana University School of Medicine. Dr. Hickam was internationally recognized in medical research, particularly in the areas of lung, heart and circulatory system diseases. Dr. Hickam was also responsible for the administration of research programs, which established the Indiana University School of Medicine as one of the nation's primary centers for research in heart disease.

Moderator:



[Jennifer Alexander-Brett, MD, PhD](#)

President-Elect, CSCTR

Past Chair, AFMR Midwestern Region

Assistant Professor of Medicine

Washington University School of Medicine in St. Louis

Speaker:

Two Decades of Progress in Understanding Progressive Pulmonary Fibrosis

Dr. Blackwell will describe progress in studying progressive pulmonary fibrosis that has led to our current understanding of underlying mechanisms, genetic and environmental risk factors, and therapeutic targets for this disease.



[Timothy Blackwell, MD](#)

John G. Searle Professor

Chair, Department of Internal Medicine

University of Michigan

1:30 pm – 2:00 pm

Catalyzing Collaboration: Transforming Clinical and Translational Research Through Industry and Academic Partnerships

King Arthur
Court
(third floor)

Join this new session that explores innovative collaborations between academia and industry aimed at accelerating research breakthroughs. Gain insights from successful partnerships, learn strategies for effective collaboration, and discover how working together can address pressing challenges and drive innovation in clinical and translational research.

Moderators:



[Jennifer Alexander-Brett, MD, PhD](#)

President-Elect, CSCTR

Past Chair, AFMR Midwestern Region

Assistant Professor of Medicine

Washington University School of Medicine in St. Louis



[Jerry A. Krishnan, MD, PhD](#)

Past President, CSCTR

Associate Vice Chancellor for Population Health Sciences

Professor of Medicine and Public Health

Epidemiology and Biostatistics

University of Illinois Chicago

Speaker:

Bridging Science and Medicine: History of Verona Pharma and Academic Collaboration

A comprehensive overview of Verona Pharma's history, highlighting their journey from inception to innovation. This presentation will cover the development and clinical application of ensifentrine, with focus on how Verona Pharma is collaborating with healthcare professionals and academic institutions to explore treatment options for chronic respiratory diseases.



[Debbie Buonomo](#)

Medical Science Liaison

Verona Pharma

2:00 pm - 2:10 pm

Coffee Break

Camelot
Ballroom
(third floor)

2:10 pm – 3:20 pm

Moderated Poster Discussions

Click on a category to view abstracts.

Avenue
Ballroom
(ground floor)

[Case Reports](#)

[T0 Research/Science](#)

[T1 Research/Science](#)

[T2 Research/Science](#)

[T3 Research/Science](#)

[T4 Research/Science](#)

Translational Science Oral Session I: Pulmonary, Critical Care, Cardiology, and Renal

Moderators:



[Jeffrey Salomon, MD, MBA](#)
Councilor, CSCTR
Midwestern Chair, AFMR Midwestern Region
Pediatric Critical Care Medicine Physician
University of Nebraska Medical Center



[Laneshia Tague, MD, MSCI](#)
Secretary-Treasurer, AFMR Midwestern Region
Assistant Professor of Medicine
Washington University in Saint Louis

Oral Presenters:

[View Abstracts](#)

- 3:30 pm **ADDITION OF PATHOLOGIC FLOW TO HEMIN-TREATED PULMONARY ARTERY ENDOTHELIAL CELLS IMPLICATES DISTINCT TRANSCRIPTOMIC PATTERNS IN SICKLE CELL DISEASE ASSOCIATED PULMONARY HYPERTENSION**
 Kelsey Holbert, MD
 University of Illinois Chicago
- 3:42 pm **MITOCHONDRIAL METABOLIC REGULATOR PYRUVATE DEHYDROGENASE KINASE 4 (PDK4) MEDIATES SEX-SPECIFIC CARDIAC RESPONSE TO ENDOTOXEMIA**
 John Q. Yap, PhD
 Loyola University Chicago
- 3:54 pm **SPATIAL TRANSCRIPTOMICS INSIGHTS ACROSS A SPECTRUM OF AIRWAY DISEASES**
 Ghandi F. Hassan, MD
 Washington University in St Louis
- 4:06 pm **THE IMMUNE LANDSCAPE OF INTRATHORACIC LYMPH NODES IS ASSOCIATED WITH THE LYMPHOPENIC IMMUNOTYPE IN SARCOIDOSIS**
 Christian Ascoli, MD
 University of Illinois at Chicago
- 4:18 pm **THE EFFECT OF NICOTINE DELIVERY SYSTEM ON EXTRACELLULAR MATRIX BLOOD PROTEASE LEVELS: A RANDOMIZED CROSSOVER DESIGN**
 Ava Wilson, PhD, MSPH
 Kansas University Medical Center
- 4:30 pm **DISPARITIES IN TIMING AND DEMOGRAPHICS OF WITHDRAWAL OF LIFE-SUSTAINING THERAPY FOLLOWING IN-HOSPITAL AND OUT-OF-HOSPITAL CARDIAC ARRESTS**
 Shelbi Erp, MD
 University of Illinois Chicago

Moderators:



[Rochelle N. Naylor, MD](#)

*Associate Professor of Pediatrics and Medicine
The University of Chicago Medicine*



[Suthat Liangpunsakul, MD, MPH](#)

*Past President, CSCTR
Professor of Medicine
Indiana University School of Medicine*

Oral Presenters:

[View Abstracts](#)

- 3:30 pm **ROLE OF PHOSPHATIDYLETHANOLAMINE METHYLTRANSFERASE (PEMT) IN METABOLIC DYSFUNCTION-ASSOCIATED STEATOHEPATITIS (MASH)**
Sara Osorio-Valencia
University of Illinois Chicago
- 3:42 pm **KNOCKDOWN FAS ASSOCIATED FACTOR FAMILY MEMBER 2 PREVENTS ALCOHOL-ASSOCIATED LIVER DISEASE**
Zhihong Yang
Indiana University
- 3:54 pm **MICROPUNCTURE-EXOSOMES DISPLAY AN ENHANCED IMMUNOANGIOGENIC PAYLOAD**
Jazzmyn Dawes, BS
Penn State College of Medicine
- 4:06 pm **APOL1 KIDNEY DISEASE VARIANTS ALTER FAT DEPOSITION IN A SEX-SPECIFIC MANNER**
Andrew O. Kearney, BA
Northwestern University
- 4:18 pm **MOTIVATING CHANGE IN OLDER ADULTS: A PILOT STUDY OF MOTIVATIONAL MESSAGES TO PROMOTE QUITTING SMOKING**
Adrienne L. Johnson, PhD
University of Wisconsin School of Medicine and Public Health
- 4:30 pm **MENTAL HEALTH SCREENINGS IN THE ED: CHRONIC TRAITS OR TEMPORARY STATES?**
Mohammed I. Lone
UChicago Medicine

Translational Science Oral Session III: Hematology/Oncology, Rheumatology/Immunology and Neurology

Moderators:



[Jennifer Alexander-Brett, MD, PhD](#)

President-Elect, CSCTR

Past Chair, AFMR Midwestern Region

Assistant Professor of Medicine

Washington University School of Medicine in St. Louis



[John D. Dickinson, MD, PhD](#)

Associate Professor of Medicine

University of Nebraska Medical Center

Oral Presenters:

[View Abstracts](#)

- 3:30 pm **CYTOTOXIC AND PRO-INFLAMMATORY EFFECTS OF MICROPLASTICS AND MICROCYSTIN TOXIN ON HUMAN AIRWAY EPITHELIAL CELLS**
Upasana Shrestha, BS
The University of Toledo
- 3:42 pm **NORTRIPTYLINE: A REPURPOSABLE ADJUVANT TO CHEMOTHERAPY IN GROUP 3 MEDULLOBLASTOMA THAT TRIGGERS APOPTOSIS BY INDUCING MITOCHONDRIAL DYSFUNCTION**
David Doss
Creighton University School of Medicine
- 3:54 pm **TARGETING THE ABCB7/GPX4 AXIS USING ARTESUNATE POTENTIATES CISPLATIN RESPONSE IN PEDIATRIC GROUP 3 MEDULLOBLASTOMAS BY TRIGGERING FERROPTOSIS**
Ranjana K. Kanchan, PhD
University of Nebraska Medical Center
- 4:06 pm **SOCIOECONOMIC AND DEMOGRAPHIC DISPARITIES IN TREATMENT AND SURVIVAL OF OVARIAN SEROMUCINOUS CARCINOMA: A NATIONAL CANCER DATABASE STUDY**
Nikhil Furtado, BS
Creighton University School of Medicine
- 4:18 pm **ENHANCING IMMUNOTHERAPY EFFICACY IN MYELOMA WITH A DUAL-ACTION MITOCHONDRIAL-TOXIC PEPTIDE THAT ACTIVATES T CELLS AND INDUCES TUMOR CELL DEATH**
Smriti Gurung, PhD
Indiana University

Closing Reception

Wine, Beer, and Appetizers Served



[David Kennedy, PhD](#)

President, CSCTR

Associate Professor of Medicine

University of Toledo College of Medicine and Life Sciences



[Jeffrey Salomon, MD, MBA](#)

Councilor, CSCTR

Midwestern Chair, AFMR Midwestern Region

Pediatric Critical Care Medicine Physician

University of Nebraska Medical Center

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