Thursday, April 4th

8:30 am – 7:00 pm Registration Desk .................................................................3rd Floor Foyer

7:00 am – 11:00 am AFMR National Council Meeting........................................... Wheaton

10:30 am – 3:00 pm CSCTR Council Meeting......................................................... New Town

1:00 – 3:00 pm Poster Session A (set-up)...............................................................Lincoln Park/River North Foyer

1:00 – 3:00 pm MWAFMR Career Development Workshop............................. Lakeshore Ballroom
Moderator: Attaya Suvannasankha, MD, Indiana University School of Medicine

1:00 – 2:00 How to Write a Career Development Grant (F or K Award)
Dawn Belt Davis, MD, PhD, Associate Professor, University of Wisconsin - Madison

2:00 – 3:00 Challenges and Opportunities for Immigrant Physician Scientists
Joumana T. Chaiban, MD, FACE, Associate Professor of Medicine, UIC/Advocate Christ Medical Center

3:15 – 3:30 pm CSCTR-MWAFMR Welcome..................................................... Lakeshore Ballroom
Moderators: Timothy B. Niewold, MD, New York University; Joumana T. Chaiban, MD, FACE, UIC/Advocate Christ Medical Center

3:30 – 4:15 pm MWAFMR Award Presentations............................................ Lakeshore Ballroom
Moderators: Joumana T. Chaiban, MD, FACE, UIC/Advocate Christ Medical Center; Attaya Suvannasankha, MD, Indiana University School of Medicine

3:33 – 3:39 AFMR Henry Christian Awardees
A02: CLINICAL BENEFIT OF INTRAVENOUS N-ACETYLCYSTEINE IN PATIENTS WITH ISCHEMIC HEPATOPATHY
Shana Kothari, MD, University of Illinois at Chicago/Advocate Christ Medical Center

3:40 – 3:46 A09: MAN VS. MACHINE: COMPARISON OF A MACHINE LEARNING ALGORITHM TO CLINICIAN INTUITION FOR PREDICTING INTENSIVE CARE UNIT READMISSION
Juan C. Rojas, MD, University of Chicago

Midwest Trainee Travel Awardees

3:47 – 3:53 A06: IN VIVO STABLE ISOTOPE LABELING & QUANTITATIVE MASS SPECTROMETRY IMAGING OF Aβ PLAC İE DEPOSITION AND NEURONAL METABOLISM IN HUMAN AD BRAIN
Norelle C. Wildburger, PhD, Washington University in St. Louis

3:54 – 4:00 A04: DIETARY ISOLEUCINE IS A KEY REGULATOR OF METABOLIC HEALTH
Deyang Yu, University of Wisconsin-Madison

4:01 – 4:07 A05: TARGETING CENTRAL BIOMARKERS TO POTENTIATE ACUPUNCTURE ANALGESIA IN SICKLE CELL DISEASE
Ying Wang, MD, PhD, University of Minnesota
4:08 – 4:14  **A03:** BIOFILM PRODUCTION IN CLOSTRIDIIOIDES (CLOSTRIDIUM) DIFFICILE EPIDEMIC STRAIN DH/NAP11/106  
*Abdullahi Abdi, BS, Northwestern University Feinberg School of Medicine*

4:15 – 5:00 pm  **New Investigator Session** .................................................. Lakeshore Ballroom  
*Moderator: Timothy B. Niewold, MD, New York University*

4:18 – 4:31  **Outstanding Young Investigator**  
**A01:** INVESTIGATING THE IMPACT OF HUMAN GPCR VARIANTS ON METABOLIC HOMEOSTASIS  
*Hongxia Ren, PhD, Indiana University*

4:32 – 4:45  **ECDA Recipient**  
**A08:** UNCOVERING SINGLE CELL ENDOTHELIAL METABOLISM DYNAMICS IN VASCULAR INJURY MODELS  
*David Wu, MD, PhD, University of Chicago*

4:46 – 4:58  **ECDA Recipient**  
**A07:** SEPSIS DRIVES DAMAGE ASSOCIATED MOLECULAR PATTERN EXPRESSION IN HUMAN BRAIN  
*Benjamin H. Singer, MD, PhD, University of Michigan Medical School*

5:00 – 6:30 pm  **Poster Session A & Opening Reception** ............................................ Lincoln Park/River North Foyer  

6:30 – 7:00  **Poster Session A (take-down)** .............................................................. Lincoln Park/River North Foyer

6:30 – 8:00 pm  **Cardiology/Pulmonary Lecture** .................................................. Wheaton  
*Moderator: Steven Dudek, MD, University Illinois at Chicago*

6:30 – 7:00  Using Big Data to Detect Clinical Deterioration  
*Matthew Churpek, MD, PhD, MPH, Assistant Professor of Medicine, University of Chicago*

7:00 – 8:00  Cell-free Hemoglobin in Sepsis and ARDS: Bedside to Bench and Back Again  
*Lorraine B. Ware MD, Professor of Medicine and Director, Vanderbilt Medical Scholars Program, Vanderbilt University School of Medicine*

6:30 – 8:00 pm  **59th Annual Max Miller Lecture in Diabetes Research** ................. Lakeshore Ballroom  
*Moderator: Dawn Belt Davis, MD, PhD, University of Wisconsin - Madison*

6:30 – 6:50  Bilirubin, from Toxic Bile Substance to Metabolic Hormone  
*Terry D. Hinds, Jr., PhD, Assistant Professor, Department of Physiology and Pharmacology, University of Toledo*

6:50 – 7:10  Insulin/IGF-1 Signaling Controls Muscle Mitochondrial Metabolism and Strength via FoxOs  
*Brian T. O’Neill, MD, PhD, Assistant Professor of Internal Medicine - Endocrinology and Metabolism, University of Iowa Carver College of Medicine*

7:10 – 8:00  Max Miller Lecture ~ Mechanisms for the Beneficial Effects of Maternal Exercise on Offspring Metabolic Health  
*Laurie J. Goodyear, PhD, Professor of Medicine, Harvard Medical School; Section Head and Senior Investigator, Joslin Diabetes Center*

7:00 – 9:00 pm  **Meet-up with American Physician Scientists Association** .......... Portillo’s Hot Dogs  
*Come out to Portillo’s and network with new and old friends at the APSA/CSCTR Meet-up! This informal gathering is for attendees from both organizations to get together, catch up, share ideas, and network. No RSVP necessary. We look forward to seeing you there! Portillo’s Hot Dogs, 100 W Ontario St.*
Friday, April 5th

6:30 am – 3:30 pm
Registration Desk.................................................................3rd Floor Foyer

7:00 – 8:00 am  Mentor Breakfast................................................................. Wheaton

• How to learn from and land leadership positions on Regional and National committees
  Florence Rothenberg, MS, MD, FACC, Associate Professor, University of Cincinnati; Elissa Klein, Executive Director, American Federation for Medical Research

• Sticking up for yourself: Communication and negotiation
  Suthat Liangpunsakul, MD, MPH, Professor of Medicine, Indiana University School of Medicine

• Asking the right questions as you develop your research program
  Robert McCullumsmith, MD, PhD, Professor and Chair, Department of Neuroscience, Research Director of the Neurosciences Institute, University of Toledo

• Becoming an independent investigator: How do I separate myself from my mentor(s) and start my own laboratory?
  John Dickinson, MD, PhD, Assistant Professor, Associate Director-Adult Cystic Fibrosis Center, Pulmonary Critical Care, Sleep, & Allergy Division, University of Nebraska Medical Center

• Navigating authorship: Tips from behind the scenes of a journal
  Jeffrey Laurence, MD, Professor of Medicine, Weill Cornell Medical College

• Funding your research: Writing successful grant applications
  Joshua A. Englert, MD, Assistant Professor of Internal Medicine, The Ohio State University Wexner Medical Center

• Setting priorities: When to say yes and how to say no
  Gregory M. Vercellotti, MD, FACP, Professor of Medicine, University of Minnesota School of Medicine; Terry G. Unterman, MD, Professor of Medicine, Physiology and Biophysics, University of Illinois at Chicago VA West Side Medical Center

• The balancing act for women in medicine and science
  Attaya Suvannasankha, MD, Assistant Professor of Clinical Medicine, Indiana University School of Medicine; Jennifer Alexander-Brett, MD, PhD, Assistant Professor of Medicine, Washington University School of Medicine

• Identifying mentors and maintaining good mentor/mentee relationships
  Dawn Belt Davis, MD, PhD, Associate Professor, University of Wisconsin - Madison

7:00 – 8:00 am  CSCTR Membership Application Processing ........................................ Streeterville

Timothy B. Niewold, MD, CSCTR President; Abraham Thomas, MD, MPH, CSCTR Past President

If you applied online, meet with Dr. Niewold or Dr. Thomas for a decision on the spot. Upon approval, your name will be listed as a new member during this morning’s Business Meeting.

8:00 – 10:00 am  Poster Session B (set-up) ............................................................ Lincoln Park/River North Foyer

8:15 – 9:15 am  AFMR Keynote Presentation.................................................. Lakeshore Ballroom

Moderator: John D. Dickinson, MD, PhD, University of Nebraska Medical Center

Antimicrobial Bait and Switch: Disruption of Iron-Dependent Metabolism of Pathogenic Microbes using Gallium

Bradley Britigan, MD, University of Nebraska Medical Center

9:15 – 9:30 am  CSCTR Annual Business Meeting........................................ Lakeshore Ballroom

President: Timothy B. Niewold, MD, New York University

9:15 – 9:30 am  Department Chair Session I........................................ Lakeshore Ballroom

Chair: John M. Carethers, MD, University of Michigan Health System

Sepsis: It Doesn’t Start nor End at the ICU Door
Hollie Prescott, MD, MSc, Assistant Professor

Lipidomics Reveal Early Stage Lipid Network Alterations Predictive of Chronic Kidney Disease Progression in Type-2 Diabetes
Farsad Afshinnia, MD, Assistant Professor of Medicine
Purinergic Signaling in Venous Thrombosis
Yogen Kanthi, MD, Assistant Professor, Cardiovascular & Vascular Medicine

10:30 – 11:30 am Department Chair Session II.................................................................Lakeshore Ballroom
Chair: Ravi Durvasula, MD, Loyola University

Alcohol, Advanced Lung Disease, and Lung Transplant
Erin Lowery, MD, MS, Associate Professor

Sulfonylurea Receptor 2 (SUR2) Regulates Cardiac Substrate Utilization
Gregory Aubert, MD, PhD, Assistant Professor

Next Generation Sequencing in Cellular Immune Therapy
Nasheed Hossain, MD, Assistant Professor

11:30 am – 1:00 pm Poster Session B & Lunch.................................................................Lincoln Park/River North Foyer

11:30 am – 1:00 pm Annual Translational Research Editorial Meeting...............................New Town

1:00 – 1:30 pm Poster Session B (take-down).................................................................Lincoln Park/River North Foyer

1:15 – 2:15 pm CSCTR John B. Hickam Endowed Lecture..............................................Lakeshore Ballroom
Moderator: Terry G. Unterman, MD, University of Illinois at Chicago VA West Side Medical Center

Cell Death and Sterile Inflammation in Liver Injury and Fibrosis
Ariel Feldstein, MD, Professor of Pediatrics, Chief, Division of Pediatric Gastroenterology, Hepatology, and Nutrition, University of California, San Diego

1:30 – 3:30 pm Poster Session C (set-up).................................................................Lincoln Park/River North Foyer

2:15 – 2:30 pm Translational Research Featured New Investigator.................................Lakeshore Ballroom
Moderator: Jeffrey Laurence, MD, Weill Cornell Medical College

STIMULATION OF THE ENDOGENOUS INCRETIN GLUCOSE-DEPENDENT INSULINOTROPIC PEPTIDE BY ENTERAL DEXTROSE IMPROVES GLUCOSE HOMEOSTASIS AND INFLAMMATION IN MURINE ENDOXEMIA
Faraaz Ali Shah, MD, Assistant Professor of Medicine, University of Pittsburgh Medical Center

2:30 – 3:15 pm Research Innovations..............................................................................Lakeshore Ballroom
Moderator: Timothy B. Niewold, MD, New York University

Novel Tools for Connecting Biological Disease Signatures with Drugs
Robert McCullumsmith, MD, PhD, Professor and Chair, Department of Neuroscience, Research Director of the Neurosciences Institute, University of Toledo

3:30 – 4:30 pm Oral Abstract Session I ............................................................................Lakeshore Ballroom
Moderator: J. Brian Byrd, MD, MS, University of Michigan

3:30 – 3:41 C12: INCIDENTAL DIAGNOSIS OF CARDIAC AMYLOIDOSIS IN AN 86-YEAR-OLD WITH MGUS - AL OR ATTR?
Pratik S. Velangi, MD, University of Minnesota

3:42 – 3:53 C14: A RARE CASE OF INFECTIOUS PSEUDOANEURYSM DUE TO ASPERGILLOSUS FLAVUS IN THE SETTING OF RENAL TRANSPLANT
Samia Asif, MD, University of Missouri – Kansas City

3:54 – 4:05 C13: CHRYSEOBACTERIUM INDOLOGENES BACTEREMIA IN CIRRHOSIS
Jaspreet S. Suri, MD, Clinical Fellow, Beth Israel Deaconess Medical Center

4:06 – 4:17 C10: APPROPRIATE USE OF TELEMETRY: INDICATION VERSUS GRATIFICATION
Julien Feghaly, MD, St. Louis University Hospital

4:18 – 4:29 C11: APICAL HYPERTROPHIC CARDIOMYOPATHY: A DIAGNOSTIC DILEMMA
Najia Waheed, MBBS, Rawalpindi Medical College
3:30 – 4:30 pm  Oral Abstract Session II................................................................. Wheaton
Moderator: Sidharth Mahapatra, MD, PhD, University of Nebraska Medical Center

3:30 – 3:44  C07: AUTOPHAGY FACILITATES MITOCHONDRIAL BIOGENESIS TO MAINTAIN
MITOCHONDRIAL HOMEOSTASIS DURING CARDIAC ISCHEMIA/REPERFUSION INJURY
Min Xie, MD, PhD, University of Alabama at Birmingham

3:45 – 3:59  C08: ROLE OF UCHL1 IN RADIATION-INDUCED LUNG INJURY MEDIATED BY
SPHINGOLIPIDS
Yulia Epshtein, PhD, University of Illinois at Chicago

4:00 – 4:14  C06: ENDOTHELIAL CELL INTEGRIN BETA4 KNOCKOUT ATTENUATES LPS-INDUCED
MURINE ACUTE LUNG INJURY
Weiguo Chen, MD, PhD, University of Illinois at Chicago

4:15 – 4:29  C05: Gq-MEDIATED PKD ACTIVATION INDUCES ABERRANT MITOCHONDRIAL FISSION
THROUGH PHOSPHORYLATION OF DLP1 IN CARDIOMYOCYTES
Bong Sook Jhun, PhD, University of Minnesota

3:30 – 4:30 pm  Oral Abstract Session III................................................................. Streeterville
Moderator: Suthat Liangpunsakul, MD, MPH, Indiana University School of Medicine

3:30 – 3:44  C03: TARGETED DISRUPTION OF NA/K-ATPASE- SRC SIGNALING CASCADE SIGNIFICANTLY
REDUCES RENAL INFLAMMATION AND OXIDATIVE STRESS FOLLOWING 5/6TH PARTIAL
NEPHRECTOMY
Fatimah K. Khalaf, MB ChB, University of Toledo

3:45 – 3:59  C04: ALGINATE OLIGOSACCHARIDE ALLEVIATES D-GLACTOSE-INDUCED CARDIAC AGING
IN MICE VIA REGULATING THE SIRT1/PGC-1A SIGNALING PATHWAY
Wenjing Feng, MD, Qingdao University

4:00 – 4:14  C01: OVEREXPRESSION OF LONG NON-CODING RNA H19 REGULATED THE METHIONINE
METABOLISM IN ALCOHOLIC LIVER DISEASE
Zhihong Yang, PhD, Indiana University

4:15 – 4:29  C02: ABLATING ADIPOSE CREB3L3 PRESERVES METABOLIC HEALTH DURING OBESITY
Maximilian McCann, BS, University of Illinois at Chicago

4:30 – 6:00 pm  Poster Session C & Closing Reception.................................................. Lincoln Park/River North Foyer

6:00 – 6:30 pm  Poster Session C (take-down).............................................................. Lincoln Park/River North Foyer