**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 PLAQUE 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 CLOSTRIDIOIDES (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 Social Event with American Physician Scientists Association TBA**

**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*

**9:30 – 10:30 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

*Hallie 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*

Sulfonyluera 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 ResearchFeatured 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 Endotoxemia

 *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 ASPERGILLUS 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: Mohammad N. Uddin, PhD, FAHA, Orion Institute for Translational Medicine, Texas A&M University College 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*