

# Final Program

Mid-America Club  
Chicago, IL  
April 24-25, 2008

clinical

  
Central Society for Clinical Research

Central Society for  
Clinical Research



Midwestern Section  
American Federation  
for Medical Research



NORTHWESTERN  
UNIVERSITY

Jointly sponsored  
by CSCR, MWAfMR  
and Northwestern  
University's  
Feinberg School  
of Medicine

## **Central Society for Clinical Research**

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## Learning Objectives

The 2008 Combined Annual Meeting of the Central Society for Clinical Research (CSCR) and the Midwestern Section American Federation for Medical Research (MWAFFMR) presents the CSCR Hickam Lecture, MWAFFMR Keynote Speaker, two plenary sessions and an oral abstract session on topics of timely interest for researchers and physicians interested in the broad field of clinical research. Participants at the 2008 Combined Annual Meeting will acquire knowledge in clinical research techniques and new findings in various aspects of internal medicine and other fields. At the completion of the meeting, participants should be able to:

- Recognize the value of new research techniques;
- Describe new research findings in cardiology, gastroenterology, pulmonary and critical care, hematology and oncology, nephrology, infectious disease, allergy, immunology and rheumatology;
- Explain the diagnosis and management of diseases and disorders across various subspecialties of medicine.

## Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Northwestern University's Feinberg School of Medicine, the Central Society for Clinical Research and the Midwestern Section American Federation for Medical Research. Northwestern University's Feinberg School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Northwestern University's Feinberg School of Medicine designates this educational activity for a maximum of 6.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

CME Certificates / Educational Support

**CME Certificates**

In order to obtain your *AMA PRA Category 1 Credits™* certificate for this activity, please complete the Credit Verification Form included in your syllabus. Forms should be completed in full and returned to the registration desk at the end of the meeting. Certificates will be mailed 4-6 weeks following the activity to the address provided on your registration form.

**Educational Support**

This educational activity is supported by unrestricted educational grants from:

- Abbott Laboratories
- Sanofi-Aventis
- Takeda Pharmaceuticals North America, Inc.

**Faculty/Speaker Disclosure Statement and Disclosure for Discussions of Off Label/Investigational Use of Pharmaceutical Products**

In accordance with ACCME Standards for Commercial Support of Continuing Medical Education and the Feinberg School of Medicine's disclosure policy for CME activities, faculty members have been asked to disclose any relationship they may have with commercial supporters of this CME activity or with companies providing products or medical equipment that may have relevance to the content of their presentations. Such disclosure is intended to provide participants with sufficient information to evaluate whether any given presentation has been influenced by the faculty's relationship(s) or financial interest with said companies.

This activity may include information regarding the off-label and/or investigational use(s) of various pharmacological agents. The faculty have disclosed below if they will be discussing a product which is still investigational or not labeled for the use under discussion.

This activity is being jointly sponsored by the Feinberg School of Medicine, the Central Society for Clinical Research and the Midwestern Section American Federation for Medical Research. The medical school has no significant relationship with the commercial companies whose products or services are being discussed in this educational activity.

**Course Directors' and Planning Committee Members' Disclosure Information:**

- |                    |  |
|--------------------|--|
| Alan Buchman       | Consulting fee –<br>NPS Pharmaceuticals<br>Speakers' bureau –<br>Abbott Laboratories   |
| Brian Hoit         | Consulting fee –<br>Bioniche Pharma<br>Speaking honorarium –<br>Merck  |
| David Kamp         | Speaking honorarium –<br>Philips<br>Speaking honorarium –<br>Boehringer Ingelheim<br>Speaking honorarium –<br>GlaxoSmithKline<br>Speaking honorarium –<br>Primary Care Network |
| James Martins      | States he has nothing to disclose.   |
| Francis Miller     | States he has nothing to disclose.   |
| James Oates        | Speaking honorarium –<br>Abbott  |
| Nallini Rajamannan | States she has nothing to disclose.  |

**Speakers', Moderators' and Panelists' Disclosure Information:**

- |                 |   |
|-----------------|---|
| Joanne Billings | Clinical Research Salary –<br>Transave, Inc.<br>Clinical Research Salary –<br>Gilead Sciences, Inc.<br>Clinical Research Salary –<br>KaloBios Pharmaceuticals, Inc. |
| Peter Bitterman | States he has nothing to disclose.  |
| Richard Burt    | Discussing hematopoietic stem cell transplants for autoimmune disease.  |
| Mark Cannon     | States he has nothing to disclose.  |
| Sarah Cooley    | States she has nothing to disclose.   |
| Michael Fischer | Consulting fee, Speaker Honorarium, Research Support –<br>GlaxoSmithKline   |
| Jon George      | States he has nothing to disclose.  |
| Roxanna Irani   | States she has nothing to disclose.   |
| Min Joo         | States she has nothing to disclose.   |
| Thomas Layden   | States he has nothing to disclose.  |
| Robert Sherwin  | States he has nothing to disclose.  |
| William Tierney | States he has nothing to disclose.  |
| Betty Tran      | States she has nothing to disclose.   |
| Julio Vijil     | Speakers' Bureau Honorarium - Amgen   |
| Comelia Weyand  | States she has nothing to disclose.   |



**Thursday, April 24, 2008**

Time	Activity	Location
4:00 pm – 8:00 pm	Registration	Foyer
4:00 pm – 6:00 pm	CSCR Council Meeting	Ballroom D
5:00 pm – 6:00 pm	Poster Author Set-Up	Ballroom B
6:00 pm – 8:00 pm	Welcome Reception and Poster Session	Ballroom B
6:00 pm – 10:00 pm	CSCR Sugar Club/Midwest Metabolism Dinner <i>(1.0 CME Credit)</i>	Ballroom A
8:00 pm – 10:00 pm	MWAFMR Council Meeting	Off-site

**Friday, April 25, 2008**

Time	Activity	Location
7:30 am – 3:00 pm	Registration	Foyer
7:30 am – 8:30 am	Continental Breakfast	Ballroom B
8:00 am – 11:00 am	Poster Author Set-Up	Ballroom B
8:00 am – 8:05 am	Opening remarks by the CSCR President and MWAFMR President	Ballroom A
8:05 am – 8:15 am	Presentation of Awards	Ballroom A
8:15 am – 9:00 am	Department Chair Session #1 Peter Bitterman, presiding <i>University of Minnesota</i> <i>(0.75 CME Credit)</i>	Ballroom A
9:00 am – 10:00 am	CSCR Hickam Lecture William Tierney <i>Indiana University School of Medicine</i> <i>(1.0 CME Credit)</i>	Ballroom A
10:00 am – 10:30 am	Coffee Break	Ballroom B
10:30 am – 11:30 am	MWAFMR Keynote Speaker Richard Burt <i>Northwestern University</i> <i>(1.0 CME Credit)</i>	Ballroom A
11:30 am – 1:30 pm	Lunch and Poster Presentations	Ballroom B
1:30 pm – 2:15 pm	Department Chair Session #2 Thomas J. Layden, presiding <i>University of Illinois Medical Center at Chicago</i> <i>(0.75 CME Credit)</i>	Ballroom A
2:15 pm – 3:00 pm	Oral Abstract Session <i>(0.75 CME Credit)</i>	Ballroom A
3:00 pm – 3:55 pm	AFMR Speaker Cornelia Weyand <i>Emory University</i> <i>(1.0 CME Credit)</i>	Ballroom A
3:55 pm – 4:00 pm	CSCR Business Meeting	Ballroom A
4:00 pm	Conclusion of Combined Annual Meeting	
6:00 pm – 10:00 pm	MWAFMR Scholar's Program and Henry Christian Awards Dinner Speaker TBD	Location TBD

Combined Annual Meeting Schedule

**Thursday, April 24, 2008**

6:00 pm – 8:00 pm Ballroom B

**Welcome Reception and Poster Session**

*A complete listing of posters is located at the back of this program.*

**Friday, April 25, 2008**

8:00 am – 8:15 am

Opening remarks by James Martins, CSCR President, and Francis Miller, MWAfMR President

Presentation of Awards to Outstanding Young Investigator and Cardiovascular Award Winners

**DEPARTMENT CHAIR SESSION #1**

8:15 am – 9:00 am Ballroom A

*Peter B. Bitterman, Presiding  
University of Minnesota Medical School  
Vice Chair for Research and Professor,  
Department of Medicine*

8:15

**Natural Killer Cell Receptors Influence Survival after Hematopoietic Cell Transplantation: Implications for Donor Selection**

*Sarah Cooley, Assistant Professor, Department of Medicine, University of Minnesota Medical School*

8:30

**The KSHV Chemokine Receptor**

*Mark Cannon, Assistant Professor, Department of Medicine, University of Minnesota Medical School*

8:45

**Women's Health in Cystic Fibrosis**

*Joanne Billings, Assistant Professor, Department of Medicine, University of Minnesota Medical School*

9:00 am – 10:00 am Ballroom A

**CSCR Hickam Lecture**

*James B. Martins, Presiding*

**From the Forest Canopy to the Edge of the Water: What Can Medical Informatics Do for Clinical Medicine?**

*William Tierney  
Chancellor's Professor, Department of Medicine,  
Indiana University School of Medicine*

**Intermission**

10:00 am – 10:30 am

**MWAfMR Keynote Speaker**

10:30 am – 11:30 am Ballroom A

*Francis Miller, Presiding*

**Hematopoietic Stem Cell Transplantation for Autoimmune Disease**

*Richard Burt  
Chief, Division of Immunotherapy for  
Autoimmune Diseases and Professor of  
Medicine, Northwestern University Feinberg  
School of Medicine*

11:30 am – 1:30 pm Ballroom B

**Lunch and Poster Presentations**

*A complete listing of posters is located at the back of this program.*



### DEPARTMENT CHAIR SESSION #2

1:30 pm – 2:15 pm Ballroom A

*Thomas J. Layden, Presiding*  
*University of Illinois Medical Center at Chicago*  
*Edmund F. Foley Professor and Chair,*  
*Department of Medicine*

1:30

#### **The Role of Chronic Kidney Disease in an Elderly High-Risk Population**

*Michael Fischer, Assistant Professor, Department of Medicine, University of Illinois at Chicago*

1:45

#### **Geographic Variation of Spirometry Use for a New Diagnosis of COPD**

*Min Joo, Assistant Professor, Department of Medicine, University of Illinois at Chicago*

2:00

#### **Health - Related Quality of Life in Hispanics with Chronic Kidney Disease**

*Julio Vijil, Assistant Professor, Department of Medicine, University of Illinois at Chicago*

### Oral Abstract Session

2:15 pm – 3:00 pm Ballroom A

*Brian Hoit and Nalini Rajamannan, Presiding*

#### **2:15 SERUM F2-ISOPROSTANES AND OXIDIZED LDL ARE LONGITUDINALLY ASSOCIATED WITH LOWER LUNG FUNCTION: THE CARDIA STUDY.**

*Betty Tran, Northwestern University Feinberg School of Medicine*

#### **2:30 INTRODUCTION OF IGG FROM PREECLAMPTIC PATIENTS INTO PREGNANT MICE LEADS TO MULTIPLE FEATURES OF PREECLAMPSIA VIA AT1 RECEPTOR ACTIVATION.**

✓ *Roxanna Irani, University of Texas at Houston*

#### **2:45 EXPANDED AND GENETICALLY MODIFIED HUMAN CORD BLOOD-DERIVED CD133+ STEM CELLS IMPROVES CARDIAC FUNCTION IN A RAT MODEL OF ACUTE MYOCARDIAL INFARCTION.**

✓ *Jon George, University Hospitals Case Medical Center*

### AFMR Speaker

3:00 pm – 3:55 pm Ballroom A

*Francis Miller and James Oates, Presiding*

#### **Disease Pathways in Large Vessel Vasculitis**

*Cornelia Weyand*  
*David C. Lowance, MD Professor of Medicine*  
*Department of Medicine*  
*Emory University School of Medicine*

### AFMR Scholar's Program

6:00 pm – 10:00 pm

On behalf of the Organizing Committee we would like to thank Centocor for sponsoring the Scholar's Program. The purpose of this program is to promote the careers of junior investigators by providing an opportunity for them to present their research in a critical but intimate and friendly environment and network with both established and early investigators in their area of interest. Industry representatives have kindly agreed to fund this program. The Scholar's Program is not a CME activity.

## Moderated Poster Presentations

Thursday, April 24, 2008

6:00 pm – 8:00 pm

### Welcome Reception and Poster Presentations

#### Moderator:

Jeffrey Glassroth, MD, Vice Dean, Academic and Clinical Affairs, Northwestern University

**42 TARGETING THE AIRWAY SMOOTH MUSCLE WITH STATINS AS A POTENTIAL TREATMENT FOR ASTHMA**

Presenter: Blanca Camoretti-Mercado, University of Chicago

**32 THE IMPACT OF THE MEDICARE PART D PRESCRIPTION DRUG BENEFIT ON PRESCRIPTION UTILIZATION AND OUT-OF-POCKET EXPENDITURES**

Presenter: Atanu Rabbani, University of Chicago

**122 CYCLIC TRANSITION STATES IN THE CATALYSIS OF PROTON TRANSFER IN GLUTAMATE RACEMASE: IMPLICATIONS FOR ANTIBACTERIAL DRUG DESIGN**

Presenter: Dylan Dodd, University of Illinois, Urbana-Champaign

**124 NEW APPLICATION OF AMIFOSTINE IN TREATMENT OF ENDOTOXIN-INDUCED ACUTE LUNG INJURY**

Presenter: Panfeng Fu, University of Chicago

#### Moderator:

Robert Todd, III, Interim Chair of Medicine, University of Michigan

**12 EFFECT OF CYP2C9 AND VKORC1 POLYMORPHISMS ON WARFARIN DOSE, ANTICOAGULATION ATTAINMENT AND MAINTENANCE AMONG EUROPEAN AMERICAN AND AFRICAN AMERICANS**

Presenter: Nita Limdi, University of Alabama at Birmingham

**60 BACE1 MODULATES MYELINATION IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEM**

Presenter: Caitlin Hicks, Cleveland Clinic Lerner Research Institute

**96 DEFECTIVE T-CELL ERK PATHWAY SIGNALING IN MICE INDUCES INTERFERON-REGULATED GENE EXPRESSION AND OVEREXPRESSION OF METHYLATION SENSITIVE GENES SIMILAR TO LUPUS PATIENTS**

Presenter: Amr Sawalha, University of Oklahoma Health Sciences Center

**132 DONOR CELL INFUSION WITHOUT IMMUNOSUPPRESSION AS A NOVEL THERAPY FOR INDUCTION OF DONOR-SPECIFIC TOLERANCE IN ISLET CELL TRANSPLANTATION**

Presenter: Xunrong Luo, Northwestern University

#### Moderator:

Samuel Dudley, Professor of Medicine, University of Illinois at Chicago

**16 LONG-TERM COMPLIANCE WITH GUIDELINE-BASED MEDICAL THERAPIES IS THE STRONGEST PREDICTOR OF EVENT-FREE SURVIVAL FOLLOWING NON ST-SEGMENT ELEVATION ACUTE CORONARY SYNDROMES AND ACUTE MYOCARDIAL INFARCTION**

Presenter: Sandeep Nathan, University of Chicago

**34 THE ROLE OF LYSOPHOSPHATIDIC ACID SIGNALING IN PROTECTION OF LPS-INDUCED AIRWAY EPITHELIAL BARRIER DYSFUNCTION**

Presenter: Yutong Zhao, University of Chicago

**120 MODULATION OF THE CALCINEURIN/NFAT PATHWAY BY MYOGLOBIN INHIBITS PATHOLOGIC CARDIAC HYPERTROPHY**

Presenter: Pradeep Mammen, University of Texas Southwestern Medical Center

**136 LOW SINGLE DOSE OF INTRAVENOUS SOTALOL CAUSES SIGNIFICANT QT INTERVAL PROLONGATION**

Presenter: Janos Molnar, Rosalind Franklin University of Medicine and Science



Friday, April 25, 2008

11:30 pm – 1:30 pm

**Luncheon Poster Presentations**

**Moderator:**

Mark E. Anderson, Professor of Medicine and Physiology,  
University of Iowa

- 1** **LOW SERUM 25(OH) VITAMIN D LEVELS (<20 NMOL/L) ARE ASSOCIATED WITH MYALGIA-MILD MYOSITIS IN STATIN-TREATED PATIENTS**

Presenter: Waqas Ahmed, Jewish Hospital of Cincinnati

- 5** **CLINICIANS, RELIGION, AND THE INTEGRATION OF COMPLEMENTARY AND ALTERNATIVE MEDICINES**

Presenter: Farr Curlin, University of Chicago

- 77** **THE TGF- $\beta$ -STIMULATED PRODUCTION OF MONOCYTE CHEMOATTRACTANT PROTEIN (MCP)-1 BY PODOCYTES INFLUENCES PODOCYTE MOTILITY AND PERMEABILITY: EVIDENCE FOR AN MCP-1 AUTOCRINE LOOP**

Presenter: Sheldon Chen, Northwestern University

- 131** **IBUTILIDE CAUSES HETEROGENEITY OF REPOLARIZATION THAT CAN RESULT IN ARRHYTHMIAS IN A MODEL OF ISCHEMIA**

Presenter: Janos Molnar, Rosalind Franklin University of Medicine and Science

**Moderator:**

Bradley Britigan, Chair of Medicine, University of Cincinnati

- 11** **OLDER CANCER PATIENTS' USE OF BIOLOGICALLY BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE (CAM) AND THE PREVALENCE OF CAM-MEDICATION INTERACTIONS: A NATIONAL, POPULATION-BASED STUDY IN THE UNITED STATES**

Presenter: Richard Lee, University of Chicago

- 117** **LOVENOX, METFORMIN AND PREVENTION OF RECURRENT PREGNANCY LOSS AND SPONTANEOUS ABORTION**

Presenter: Ganga Boobilli, Jewish Hospital of Cincinnati

- 119** **INTEGRIN  $\beta$ 4 MEDIATES THE ATTENUATION OF LPS-INDUCED ENDOTHELIAL CELL INFLAMMATORY RESPONSES BY SIMVASTATIN**

Presenter: Weiguo Chen, University of Chicago

- 137** **PROBIOTIC MANIPULATION OF THE ENDOGENOUS FLORA AS PROPHYLAXIS FOR VENTILATOR-ASSOCIATED PNEUMONIA**

Presenter: Lee Morrow, Creighton University

**Moderator:**

Gary Hunninghake, Sterba Professor of Medicine,  
University of Iowa

- 109** **PROSTACYCLIN AND ITS SYNTHETIC ANALOGUES ARE SMALL MOLECULE AGONISTS OF FRIZZLED 9 MEDIATING GROWTH INHIBITION OF NON SMALL CELL LUNG CANCER CELLS**

Presenter: Robert Winn, University of Colorado Health Sciences Center

- 125** **OXIDIZED PHOSPHOLIPIDS ATTENUATE VENTILATOR-INDUCED LUNG INJURY IN MURINE MODEL**

Presenter: Panfeng Fu, University of Chicago

- 127** **LACK OF EFFECT OF SPECIFIC THERAPY ON TRANSCRIPTOMICS FROM PERIPHERAL BLOOD MONONUCLEAR CELLS IN PULMONARY ARTERIAL HYPERTENSION**

Presenter: Dmitry Grigoryev, Johns Hopkins University

- 135** **IN VIVO SIRNA SUPPRESSION OF NON-MUSCLE MLC KINASE (NMMLCK) PROTECTS FROM LPS-INDUCED ACUTE LUNG INJURY**

Presenter: Tamara Mirzapoiazova, University of Chicago

Moderated Poster Presentations

## 2008 Combined Annual Meeting Award Winners

### Outstanding Young Investigator Award

Panfeng Fu

### Cardiovascular Award

Yutong Zhao

### K Award Grants

G. Caleb Alexander  
Hossein Ardehali  
David Aronoff  
Rishi Arora  
Sheldon Chen  
Farr Curlin  
Maria Dowell  
Robert Edwards  
David Fleck  
Robert Hoover  
Jeffrey Jacobson  
Antony Kim  
Nida Limdi  
Xunrong Luo  
Pradeep Mammen  
Reena Mehra  
Cheikh Menaa  
Lee Morrow  
Mani Pavuluri  
Elisa Rhew  
Rebecca Shilling  
Philip Simonian  
Jasvinder Singh  
Robert Winn  
Usman Zulfiqar

### MWAFMR Scholar's Awards

Joan Beckman  
Weiguo Chen  
Charles Kim  
Gabriel Lang  
Reena Mehra  
Cheikh Menaa  
Nuala Meyer  
Robert Winn  
Jing Zhao

### Trainee Travel Awards

Waqas Ahmed  
Joan Beckman  
Ottar Bergmann  
Qun Chen  
Weiguo Chen  
Nicole Collett  
Richard Dawson  
Neetu Dhawan  
Dylan Dodd  
Lauren Fine  
Panfeng Fu  
Jon George  
Rakesh Gopinathannair  
Dmitry Grigoryev  
Caitlin Hicks  
Marion Hofmann Bowman  
James Hwang  
Roxanna Irani  
Shami Jagtap  
Lynn Kessler  
Antony Kim  
Charles Kim  
Enko Kiprilov  
Aleksander Krbanjevic  
Nicolas Kummer  
Gabriel Lang  
Bonnie Lau  
Hyoung-Gon Lee  
Richard Lee  
Reena Mehra  
Cheikh Menaa  
Nader Mino  
Liliana Moreno-Vinasco  
Jitender Munjal  
Hope Nicely  
Srikanth Pendyala  
Bishwal Rawal  
Saad Sammani  
Briam Schmutzler  
Seth Sheldon  
Abhijit Shinde  
Kimberly Staffey  
David Terrano  
Ting Wang  
Joanna Wegrzyn  
Robert Winn  
Junjie Xing  
Jing Zhao  
Yutong Zhao  
Usman Zulfiqar



Thursday, April 24, 2008

6:00 pm – 8:00 pm Ballroom B

Welcome Reception and Poster Session

Jointly presented by

Central Society for Clinical Research/  
Midwestern Section American Federation  
for Medical Research

Observational Science

- 2 CASE OF SLE WITH UNUSUAL PRESENTATION.**  
*C Attoti, A Cochon, D Godkar, B Gala and I Shaiful, Brooklyn, NY. Coney Island Hospital*  
Abstract 2
- 4 SLOPE OF THE FLOW-TIME WAVEFORM PREDICTS RESPIRATORY SYSTEM RESISTANCE AND COMPLIANCE IN MECHANICALLY VENTILATED PATIENTS.**  
*ND Collett and GA Schmidt, Iowa City, IA. University of Iowa (Trainee Travel Award Winner)*  
Abstract 4
- 6 CATASTROPHIZING AND PHYSIOLOGICAL RESPONSES TO PAIN.**  
*R Edwards, Baltimore, MD. Johns Hopkins (K Award Grant Winner)*  
Abstract 6
- 8 AUTOMATED ANALYSIS OF BEHAVIOR: A COMPUTER-CONTROLLED SYSTEM FOR DRUG SCREENING AND THE INVESTIGATION OF LEARNING.**  
*C Hicks, D Sorocco and M Levin, Boston, MA. The Forsyth Institute*  
Abstract 8
- 10 HYPERINFLATION IS ASSOCIATED WITH LOWER SLEEP EFFICIENCY IN COPD WITH CO-EXISTENT OBSTRUCTIVE SLEEP APNEA.**  
*J Kwon, J Sutter, CL Kuntz, IF Wolfe, BS Lu and R Kalhan, Chicago, IL and Philadelphia, PA. Northwestern University School of Medicine*  
Abstract 10
- 12 EFFECT OF CYP2C9 AND VKORC1 POLYMORPHISMS ON WARFARIN DOSE, ANTICOAGULATION ATTAINMENT AND MAINTENANCE AMONG EUROPEAN AMERICAN AND AFRICAN AMERICANS.**  
*NA Limdi, M Beasley, JA Goldstein, DK Arnett, G McGwin and RT Acton, Birmingham, AL and Research Triangle Park, NC. University of Alabama at Birmingham*  
Abstract 12
- 14 EFFECT OF VITAMIN D ON HYPERTENSION: A META-ANALYSIS.**  
*A Mutgi, S Avasthi and S Khuder, Toledo, OH. University of Toledo Health Science Campus*  
Abstract 14
- 16 LONG-TERM COMPLIANCE WITH GUIDELINE-BASED MEDICAL THERAPIES IS THE STRONGEST PREDICTOR OF EVENT-FREE SURVIVAL FOLLOWING NON ST-SEGMENT ELEVATION ACUTE CORONARY SYNDROMES AND ACUTE MYOCARDIAL INFARCTION.**  
*S Nathan, AP Amin, E Mukhopadhyay, S Napan and RF Kelly, Chicago, IL. University of Chicago Medical Center*  
Abstract 16
- 18 STENTED LENGTH TO DIAMETER RATIO ASSESSED VIA QUANTITATIVE CORONARY ANGIOGRAPHY IS AN EFFECTIVE BEDSIDE TOOL FOR PREDICTION OF BARE METAL BINARY IN-STENT RESTENOSIS AS WELL AS INCREASED RESTENOTIC COMPLEXITY.**  
*S Nathan, MK Reriani, E Mahapatra, V Mwansa, AP Amin, SN Patel, A Kumar and RF Kelly, Chicago, IL. University of Chicago Medical Center*  
Abstract 18
- 20 FATAL NECROTIZING FASCIITIS WITH METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) COMPLICATING THERAPY OF RHEUMATOID ARTHRITIS WITH INFliximab.**  
*WD Ratnoff and CL Stetson, Lubbock, TX. Texas Tech University Health Sciences Center*  
Abstract 20
- 22 DIFFERENCES IN SUBCLINICAL CARDIOVASCULAR DISEASE IN AFRICAN-AMERICAN AND CAUCASIAN WOMEN WITH SYSTEMIC LUPUS ERYTHEMATOSUS: A COMBINED ANALYSIS WITH SOLVABLE (CHICAGO) AND HEARTS (PITTSBURGH).**  
*EY Rhew, SM Manzi, DD McPherson, AR Dyer, KT George, K Sutton-Tyrrell and R Ramsey-Goldman, Chicago, IL, Pittsburgh, PA and Houston, TX. Northwestern University (K Award Grant Winner)*  
Abstract 22
- 24 CHILDHOOD ASTHMA PREVALENCE CORRELATES WITH HOSPITALIZATIONS IN CHICAGO NEIGHBORHOODS.**  
*S Rosenberg, RS Gupta, S Budinger, GM Mutlu, X Zhang and KB Weiss, Chicago, IL and Washington, DC. Northwestern University Feinberg School of Medicine*  
Abstract 24
- 26 DEVELOPMENT OF A NOVEL BEDSIDE TOOL FOR EVALUATING RIGHT-SIDED INTRACARDIAC PRESSURES USING NON-INVASIVE ULTRASOUND: EARLY RESULTS OF THE NICHE STUDY.**  
*AA Shinde, S Fedson, S Rajendran, AS Anderson and AY Kim, Chicago, IL. University of Chicago (Trainee Travel Award Winner)*  
Abstract 26

Poster Listing



**28 THE ANTISYNTHETASE SYNDROME: PRESENTATION AS A MIMIC OF RHEUMATOID ARTHRITIS.**

E Swenson, G Mumm, C Bartels, C Bell and K McKown, Madison, WI. University of Wisconsin Hospitals and Clinics Abstract 28

**30 TRANSESOPHAGEAL ECHOCARDIOGRAM OF THE DESCENDING THORACIC AORTA: ESTABLISHING AN ACCURATE ANATOMIC MARKER USING THE CELIAC ARTERY.**

SC Vasaiwala, J Connolly and L Frazin, Chicago, IL. University of Illinois at Chicago Abstract 30

**32 THE IMPACT OF THE MEDICARE PART D PRESCRIPTION DRUG BENEFIT ON PRESCRIPTION UTILIZATION AND OUT-OF-POCKET EXPENDITURES.**

W Yin, A Basu, J Zhang, A Rabbani, D Meltzer and G Alexander, Chicago, IL. University of Chicago (K Award Grant Winner) Abstract 32

**34 THE ROLE OF LYSOPHOSPHATIDIC ACID SIGNALING IN PROTECTION OF LPS-INDUCED AIRWAY EPITHELIAL BARRIER DYSFUNCTION.**

Y Zhao, D He, PV Usatyuk, EW Spannhake and V Natarajan, Chicago, IL and Baltimore, MD. The University of Chicago (Cardiovascular Award and Trainee Travel Award Winner) Abstract 34

**Understanding Mechanisms of Disease**

**36 MISOPROSTOL INHIBITS FEMALE REPRODUCTIVE TRACT INNATE IMMUNE DEFENSES AGAINST CLOSTRIDIUM SORDCELLII.**

D Aronoff, Y Hao, J Chung, C Peres, H Serezani, N Coleman, C Lewis, T Brock and M Peters-Golden, Ann Arbor, MI. University of Michigan (K Award Grant Winner) Abstract 36

**38 AKT ACTIVATES ENOS AND RESTORES BARRIER INTEGRITY IN HUMAN CARDIAC MICROVASCULAR ENDOTHELIAL CELLS DURING OXIDANT STRESS.**

E Berdyshev, D Anar, I Gorshkova, Z Shao, C Li, P Long, A Joshi, V Natarajan and T Vanden Hoek, Chicago, IL. University of Chicago Abstract 38

**40 ENKEPHALIN RECEPTOR ACTIVATION ATTENUATES ABDOMINAL AORTIC ANEURYSM FORMATION IN ANGIOTENSIN II INFUSED APOLIPOPROTEIN E-DEFICIENT MICE.**

Al Blomkalns, SM Ormond, LL Sioll, GM Denning, EW Dickson and NL Weintraub, Cincinnati, OH and Iowa City, IA. University of Cincinnati College of Medicine Abstract 40

**42 TARGETING THE AIRWAY SMOOTH MUSCLE WITH STATINS AS A POTENTIAL TREATMENT FOR ASTHMA.**

B Camoretti-Mercado, X Li, J Churchill, K Poon, J McConville, V Sandwick, C Cummings, CG Lee, JA Elias and J Solway, Chicago, IL and New Haven, CT. The University of Chicago Abstract 42

**44 AIRWAY HYPERRESPONSIVENESS IN GATA5-DEFICIENT MICE.**

B Chen, Y Li, J Churchill, M Tran, T Moore, M Dowell, O Lakser, RVW Mitchell, PJ Gruber, EE Morrissey and J Solway, Chicago, IL and Philadelphia, PA. The University of Chicago Abstract 44

**46 ISCHEMIC DAMAGE TO THE MITOCHONDRIAL ELECTRON TRANSPORT CHAIN: MECHANISM OF CARDIAC INJURY DURING REPERFUSION.**

Q Chen and EJ Lesnfsky, Cleveland, OH. Case Western Reserve University Abstract 46

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Central Society for Clinical Research/Midwestern Section American Federation for Medical Research

Friday, April 25, 2008

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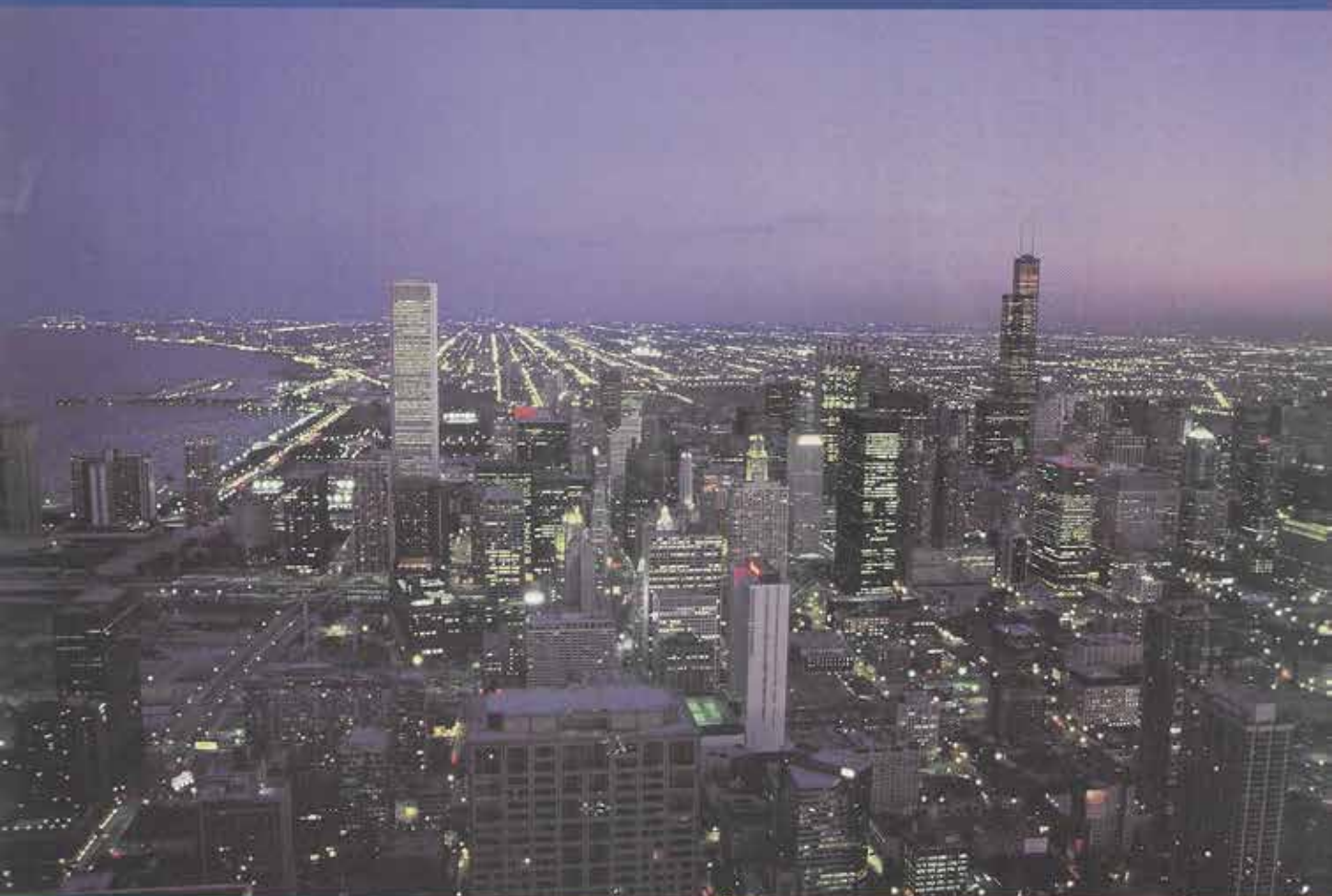
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