**SATURDAY, JUNE 6, 2015**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 AM – 1:00 PM</td>
<td>Council Meeting</td>
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<tr>
<td>Mt. Columbia</td>
<td>Charles Lang, PhD, President</td>
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<td>Penn State College of Medicine, Hershey, PA</td>
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<tr>
<td>12:00 – 6:00 PM</td>
<td>Registration</td>
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<tr>
<td>Imperial Foyer</td>
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<tr>
<td>1:00 – 1:10 PM</td>
<td>Welcome and Introductions</td>
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<tr>
<td>Imperial Ballroom</td>
<td>Edward R. Sherwood, MD, PhD</td>
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<td>Vanderbilt University, Nashville, TN</td>
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<tr>
<td>1:10 – 3:00 PM</td>
<td><strong>PLENARY SESSION IA: Current Advances in Sepsis</strong></td>
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<tr>
<td>Imperial Ballroom</td>
<td>Moderators: Edward R. Sherwood, MD, PhD</td>
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<td>Vanderbilt University, Nashville, TN</td>
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<td>Charles Caldwell, PhD</td>
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<td>University of Cincinnati, Cincinnati, OH</td>
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<tr>
<td>1:10 – 1:30 PM</td>
<td>The Burden of Sepsis – A Hidden Health Care Disaster</td>
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<td>Konrad Reinhart, MD,</td>
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<td>University Hospital Jena, Jena, Germany</td>
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<td>1:30 – 1:50 PM</td>
<td>Gender and Sepsis</td>
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<td>Irshad Chaudry, PhD,</td>
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<td>University of Alabama at Birmingham, Birmingham, AL</td>
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<td>1:50 – 2:10 PM</td>
<td>Biomarkers</td>
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<td>Hector Wong, MD</td>
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<td>University of Cincinnati, Cincinnati, OH</td>
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<td>2:10 – 2:30 PM</td>
<td>Sepsis Clinical Trials</td>
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<td>Steven Opal, MD</td>
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<td>Brown University, Providence, RI</td>
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<td>2:30 – 3:00 PM</td>
<td>Panel: Question/Answer</td>
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<tr>
<td>3:00 – 3:30 PM</td>
<td>Refreshment Break</td>
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<tr>
<td>3:30 – 5:20 PM</td>
<td><strong>PLENARY SESSION IB: Hemorrhagic Shock</strong></td>
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<tr>
<td>Imperial Ballroom</td>
<td>Moderators: Martin Schreiber, MD</td>
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<td>Oregon Health &amp; Science University, Portland, OR</td>
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<td>Rosemary Kozar, MD, PhD</td>
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<td>Shock Trauma Center, University of Maryland, Baltimore, MD</td>
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<td>3:30 – 3:50 PM</td>
<td>Results of the Pragmatic, Randomized Optimal Platelet and Plasma Ratios (PROPPR) Trial</td>
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<td>John Holcomb, MD</td>
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<td>University of Texas Health Science Center at Houston, Houston, TX</td>
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3:50 – 4:10 PM  Novel Concepts in Blood Transfusion  
Martin Schreiber, MD  
Oregon Health & Science University, Portland, OR

4:10 – 4:30 PM  Novel Cytoprotective Strategies  
Hasam Alam, MD  
Massachusetts General Hospital, Boston, MA

4:30 – 4:50 PM  Challenges in Assessing Blood Product Efficacy  
Andrew Cap, MD, PhD  
US Army Institute of Surgical Research, Fort Sam Houston, TX

4:50 – 5:20 PM  Panel: Question/Answer

5:30 – 6:30 PM  PRESIDENTIAL ADDRESS  
Imperial Ballroom  
The Thrill of Victory and the Agony of Defeat: Research Olympics  
Rosemary Kozar, MD, PhD  
Shock Trauma Center, University of Maryland, Baltimore, MD

6:30 – 8:00 PM  Presidential Reception  
Imperial Foyer  
Dinner on Your Own

7:30 – 9:00 PM  NEW INVESTIGATORS WORKSHOP  
Career Development from the NIH and Department of Defense Perspectives  
Goal: To obtain practical skills and strategies for a successful academic career  
Moderators: Jennifer Kaplan, MD, MS  
Cincinnati Children’s Hospital Medical Center, Cincinnati, OH  
Deborah Carlson, PhD  
University of Texas Southwestern Medical Center, Dallas, TX

7:30 – 7:50 PM  Career Development from the NIH perspective  
Scott Somers, PhD  
National Institutes of General Medical Sciences, National Institutes of Health, Bethesda, MD  
Sarah Dunsmore, PhD  
National Institutes of General Medical Sciences, National Institutes of Health, Bethesda, MD

7:50 – 8:10 PM  Career Development from the Department of Defense Perspective  
Michael Dubick, PhD  
US Army Institute of Surgical Research, San Antonio, Texas  
Anthony Pusateri, PhD  
US Army Medical Research and Material Command, Fort Detrick, Maryland

8:10 – 8:20 PM  Panel: Question/Answer

8:20 – 9:00: PM  Small group sessions with expert faculty

SUNDAY, JUNE 7, 2015

7:00 – 9:00 AM  POSTER SESSION I: Abstracts 1 - 74  
Grand Ballroom  
Continental Breakfast

7:00 – 8:30 AM  Editorial Board Breakfast (Invitation only)  
Mt. Oxford

9:00 – 11:00 AM  PLENARY SESSION II: Plenary Abstracts  
Imperial Ballroom  
Moderators: Charles H. Lang, PhD  
Penn State College of Medicine, Hershey, PA  
Rosemary Kozar, MD, PhD  
Shock Trauma Center, University of Maryland, Baltimore, MD
9:00 – 9:15 AM  The Genomic Response After Burn Injury Predicts Organ Dysfunction and Mortality (Abstract 1)
Scott Braikenridge, MD
University of Florida, Gainesville, FL

9:15 – 9:30 AM  Characterization of Microbiome in Critically Ill Patients and Relationship to Clinical Outcome: The ICU Microbiome Multi-Center Trial Project (Abstract 2)
Daniel McDonald, BS
University of Colorado, Aurora, CO

9:30 – 9:45 AM  Interleukin (IL)-15 Facilitates the Pathogenesis of CLP-Induced Septic Shock by Activation of NK, NKT and Memory CD8+ T Lymphocytes (Abstract 3)
Yin Guo, BS
Vanderbilt University, Nashville, TN

9:45 – 10:00 AM  Activation of Sirtuin 1/3 Protects Against Hemorrhagic Shock Injury by Retaining Mitochondrial Function (Abstract 4)
Rui Song, MD, PhD
Southern Medical University, Guangzhou, China

10:00 – 10:15 AM  Cytosolic HMGB1 is Liver Protective by Activating Caspase-1 After Hemorrhagic Shock in Mice (Abstract 5)
Qian Sun, PhD
University of Pittsburgh, Pittsburgh, PA

10:15 – 10:30 AM  Role of TLR-3/TRIF in MYD88-Independent Signaling Following Lung Contusion (Abstract 6)
Suresh Madathilparambil, PhD
University of Michigan, Ann Arbor, MI

10:30 – 10:45 AM  Intraoperative Hyperoxic Reperfusion of the Brain and ICU Delirium (Abstract 7)
Marc Lopez, MD, MS
Vanderbilt University, Nashville, TN

10:45 – 11:00 AM  Cold-Inducible RNA-Binding Protein Promotes Splenic T Cell Activation in Sepsis (Abstract 8)
Alexandra Cerutti, MD
Hofstra North Shore-LIJ School of Medicine, Manhasset, NY

11:00 – 11:15 AM  Refreshment Break

11:15 – 12:15 PM  KEYNOTE ADDRESS
Imperial Ballroom
Resolvins and Lipid Mediators of Inflammation
Charles Serhan, PhD
Brigham and Women’s Hospital, Boston, MA

12:30 – 1:30 PM  LUNCHEON SEMINAR: Business Development for Scientists
Imperial Ballroom
Moderator: Lyle Moldawer, PhD
University of Florida, Gainesville, FL

12:30 – 12:50 PM  John Younger, MD
University of Michigan, Ann Arbor, MI

12:50 – 1:10 PM  Mark Clemens, PhD
University of North Carolina at Charlotte, Charlotte, NC

1:10 – 1:30 PM  Panel Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presentation</th>
<th>Speaker/Stakeholders</th>
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<tbody>
<tr>
<td>1:45 – 3:05 PM</td>
<td>NEW INVESTIGATOR COMPETITION</td>
<td>Moderator: Philip Efron, MD University of Florida, Gainesville, FL</td>
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<td>1:45 – 2:05 PM</td>
<td>Differential Susceptibility of Human SP-B Genetic Variants on Lung Injury Caused by Bacterial Pneumonia and the Effect of Chemically Modified Curcumin (Abstract 9)</td>
<td>Yongan Xu, MD, PhD SUNY Upstate Medical University, Syracuse, NY</td>
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<td>2:05 – 2:25 PM</td>
<td>Sirtuin 1 Activator SRT1720 Protects Against Organ Injury Induced by Intestinal Ischemia- Reperfusion (Abstract 10)</td>
<td>Laura Hansen, MD Hofstra North Shore-LIJ School of Medicine, Manhasset, NY</td>
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<td>2:25 – 2:45 PM</td>
<td>Hemodynamic Effects of Blood Pressure-Targeted Stepwise Resuscitation in Swine Hemorrhagic Shock Model (Abstract 11)</td>
<td>Ji Eun Hwang, MD Seoul National University Bundang Hospital, Seoul, South Korea</td>
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<td>2:45 – 3:05 PM</td>
<td>Five-Year Outcomes After Long-Term Oxandrolone Administration in Severely Burned Children: A Randomized Clinical Trial of Safety and Efficacy (Abstract 12)</td>
<td>Patrick Reeves, BS Shriners Hospital for Children and University of Texas Medical Branch, Galveston, TX</td>
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<tr>
<td>3:05 – 3:50 PM</td>
<td>RESEARCH FELLOWSHIP RECIPIENT PRESENTATIONS</td>
<td>Moderator: Philip Efron, MD University of Florida, Gainesville, FL</td>
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<td>3:05 – 3:20 PM</td>
<td>Investigating the Role of TRIF and STING in Sepsis Pathogenesis</td>
<td>Wendy Walker, PhD Texas Tech University, El Paso, TX</td>
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<tr>
<td>3:20 – 3:35 PM</td>
<td>The CD8 Response to Sepsis –Selective Depletion of Memory</td>
<td>Kevin McConnell, MD Emory University, Atlanta, GA</td>
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<td>3:35 – 3:50 PM</td>
<td>Traumatic Brain Injury-Induced Alterations in Innate Immunity</td>
<td>Steven Schwulst, MD Northwestern University, Chicago, IL</td>
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<td>3:50 – 4:10 PM</td>
<td>Refreshment Break</td>
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<tr>
<td>4:10 – 6:00 PM</td>
<td>PARALLEL SESSION I: Critical Illness and the Gut</td>
<td>Moderators: David Hackam, MD, PhD Johns Hopkins University, Baltimore, MD Craig Coopersmith, MD Emory University, Atlanta, GA</td>
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<tr>
<td>4:10 – 4:30 PM</td>
<td>Gut Epithelial Integrity in Sepsis</td>
<td>Craig Coopersmith, MD Emory University, Atlanta, GA</td>
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<td>4:30 – 4:50 PM</td>
<td>Innate Immune Regulation of Gut Stem Cells During Critical Illness</td>
<td>David Hackam, MD, PhD Johns Hopkins University, Baltimore, MD</td>
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<td>4:50 – 5:10 PM</td>
<td>Loss of the Microbiome Drives the Immunopathology of Sepsis</td>
<td>John Alverdy, MD University of Chicago, Chicago, IL</td>
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</table>
Microbial Nutrient Foraging During States of Enteral Nutrient Deprivation  
Daniel Teitelbaum, MD  
University of Michigan, Ann Arbor, MI

Dysbiosis of Intestinal Microbiome After Severe Burn Injury (Abstract 13)  
Zachary Earley, MS  
Loyola University Medical Center, Maywood, IL

Decline in Intestinal Antigen Presenting Cells and IL-10 Production in a Mouse Model of Total Parenteral Nutrition (Abstract 14)  
Takanori Ochi, MD  
University of Michigan, Ann Arbor, MI

PARALLEL SESSION II: Organ Injury/MODS: Pathogenesis and Treatment  
Mt Sopris  
Moderators: H. Thomas Lee, MD, PhD  
Columbia University, New York, NY  
Tobias Eckle, MD, PhD  
University of Colorado Denver, Denver, CO

Intense Light Therapy for Cardiac Protection  
Tobias Eckle, MD, PhD  
University of Colorado Denver, Denver, CO

Brain Dysfunction in Shock  
Christopher Hughes, MD  
Vanderbilt University, Nashville, TN

Hypoxia and Intestinal Mucosal Homeostasis  
Eric Campbell, PhD  
University of Colorado, Aurora, CO

AKI and Remote Organ Dysfunction  
H. Thomas Lee, MD, PhD  
Columbia University, New York, NY

Fibrinogen Gamma-Chain Peptide-Coated, ADP-Encapsulated Liposomes Rescue Mice from Lethal Blast Lung Injury (Abstract 15)  
Kohsuke Hagisawa, MD, PhD  
National Defense Medical College, Tokorozawa, Japan

Intraoperative Normoxia, Oxidative Damage and Organ Injury Following Cardiac Surgery (Abstract 16)  
Frederic Billings, MD  
Vanderbilt University, Nashville, TN

Reception  
Imperial Foyer

Dinner  
Imperial Ballroom  
New Investigator Competition and Travel Awards Ceremony

MONDAY, JUNE 8, 2015

32nd Annual Presidential Fun Run  
Organized by Daniel Remick, MD  
Boston University Medical Center, Boston, MA

POSTER SESSION II: Abstracts 75 – 147  
Continental Breakfast
9:30 – 11:45 AM  | PARALLEL SESSION III: Endothelium During Critical Illness  
Imperial Ballroom  
Moderators: Czaba Szabo, MD, PhD  
University of Texas Medical Branch, Galveston TX  
Conrad Liles, MD, PhD  
University of Washington, Seattle, WA

9:30 – 9:50 AM  | Endothelial Dysfunction in Sepsis During Aging  
Zoltan Ungavi, MD, PhD  
University of Oklahoma, Oklahoma City, OK  
Csaba Szabo, MD, PhD  
University of Texas Medical Branch, Galveston, Texas

9:50 – 10:10 AM  | Burns/Endothelium  
Sarah Yuan, MD, PhD  
University of South Florida College of Medicine, Tampa, FL

10:10 – 10:30 AM  | Dysregulation of the Angiopoietin-1/2 System in Sepsis  
Conrad Liles, MD, PhD  
University of Washington, Seattle, WA

10:30 – 10:45 AM  | Refreshment Break

10:45 – 11:00 AM  | Platelet-Derived HMGB1 Regulates Thrombosis and Organ Injury Following Trauma  
(Abstract 17)  
Qiwei Chen, BS  
University of Pittsburgh, Pittsburgh, PA

11:00 – 11:15 AM  | Angiopoietin-2 (ANG-2) in Vascular Instability Following Gram-Positive Pulmonary Challenge  
(Abstract 18)  
Ji Young Lee, MD  
University of South Alabama College of Medicine, Mobile, AL

11:15 – 11:30 AM  | Contribution of Free Heme to Impaired Microcirculation and Hepatic Injury in Sepsis  
(Abstract 19)  
Franziska Schleser, MS  
Jena University Hospital, Jena, Germany

11:30 – 11:45 AM  | Blockage of Arginine Vasopressin Receptor 2 Reduces Increase in Pulmonary Vascular Resistance in Ovine Sepsis  
(Abstract 20)  
Ernesto Lopez, MD  
The University of Texas Medical Branch, Galveston, TX

9:30 – 11:50 AM  | PARALLEL SESSION IV: Lipid Mediators and Inflammation Resolution in Sepsis and Shock  
Mt Sopris  
Moderators: Judith Hellman, MD  
University of California, San Francisco, CA  
John Younger, MD  
University of Michigan, Ann Arbor, MI

9:30 – 9:50 AM  | Lipoxin A4 Mediates Inflammation Resolution in Sepsis  
Kingsley Yin, PhD  
Rowan University, School of Osteopathic Medicine, Stratford, NJ

9:50 – 10:10 AM  | N-arachidonoyl Dopamine (NADA) Promotes Resolution of Endothelial and Systemic Inflammation  
Kevin Wilhelmsen, PhD  
University of California, San Francisco, CA
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<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>10:10 – 10:30 AM</td>
<td><strong>PPARγ in Inflammation Resolution</strong></td>
<td>Basilia Zingarelli, MD, PhD</td>
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<td>Cincinnati Children’s Hospital Medical Center, Cincinnati, OH</td>
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<td>10:30 – 10:45 AM</td>
<td><strong>Refreshment Break</strong></td>
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<td>10:45 – 11:05 AM</td>
<td><strong>MicroRNAs and the Resolution of Wound Inflammation</strong></td>
<td>Sashwati Roy, PhD</td>
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<td>Ohio State University, Columbus, OH</td>
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<td>11:05 – 11:20 AM</td>
<td><strong>Human Myeloid Derived Suppressor Cells Induce Immune Suppression After Severe Sepsis (Abstract 21)</strong></td>
<td>Philip Efron, MD</td>
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<td>University of Florida, Gainesville, FL</td>
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<td>11:20 – 11:35 AM</td>
<td><strong>Treatment with IL-7 Enhances the Recovery and Functionality of Naive T Cells in a Murine Model of Sepsis (Abstract 22)</strong></td>
<td>Teresa Rice, MD</td>
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<td>University of Cincinnati, Cincinnati, OH</td>
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<td>11:35 – 11:50 AM</td>
<td><strong>Increased PD-1 Expression and Altered T Cell Repertoire Diversity in Septic Shock Patients (Abstract 23)</strong></td>
<td>Naoshi Takeyama, MD</td>
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<td>Fujita Health University, Totoake, Aichi, Japan</td>
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<td>12:00 – 1:00 PM</td>
<td><strong>Shock Society Business Meeting</strong></td>
<td>Charles Lang, PhD</td>
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<td>President, Penn State College of Medicine, Hershey, PA</td>
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<td>1:00 PM</td>
<td><strong>Free Afternoon and Evening</strong></td>
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**TUESDAY, JUNE 9, 2015**

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<th>Time</th>
<th>Session</th>
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<td>7:00 – 9:00 AM</td>
<td><strong>POSTER SESSION III: Abstracts 148 - 221</strong></td>
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<td>Continental Breakfast</td>
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<td>9:00 – 11:55 AM</td>
<td><strong>PARALLEL SESSION V: Metabolism and Critical Illness</strong></td>
<td>Marc Jeschke, MD, PhD</td>
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<td>University of Toronto, Toronto, ON</td>
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<td>Teresa Zimmers, MD</td>
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<td>Indiana University School of Medicine, Indianapolis, IN</td>
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<td>9:00 – 9:20 AM</td>
<td><strong>Metabolism in Burns</strong></td>
<td>David Herndon, MD</td>
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<td>University of Texas Medical Branch, Shriners Hospital for Children, Galveston, TX</td>
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<tr>
<td>9:20 – 9:40 AM</td>
<td><strong>Nitric Oxide and Arginine Metabolism in Critical Illness</strong></td>
<td>Nicolaas Deutz, MD, PhD</td>
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<td>Texas A&amp;M University, College Station, TX</td>
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<tr>
<td>9:40 – 10:00 AM</td>
<td><strong>Glucose Metabolism and Insulin Resistance in Critical Care/Sepsis/Trauma</strong></td>
<td>Joseph Messina, PhD</td>
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<td>University of Alabama at Birmingham, Birmingham, AL</td>
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<tr>
<td>10:00 – 10:20 AM</td>
<td><strong>Metabolism and Antioxidants in Critical Care</strong></td>
<td>Paul Wischmeyer, MD</td>
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<td>University of Colorado, Aurora, CO</td>
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<td>10:20 – 10:35 AM</td>
<td><strong>Refreshment Break</strong></td>
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10:35 – 10:55 AM  **Protein Redistribution in Burn and Critical Illness**  
Teresa Zimmers, PhD  
Indiana University School of Medicine, Indianapolis, IN

10:55 – 11:10 AM  **The Effects of AICAR on Metabolic Pathways in the Lung Following Murine Hemorrhagic Shock** (Abstract 24)  
Lindsey Klingbeil, MD  
University of Cincinnati, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

11:10 – 11:25 AM  **Corticosteroid Therapy Benefits Septic Mice with Adrenal Insufficiency but Harms Septic Mice without Adrenal Insufficiency** (Abstract 25)  
Xiangan Li, PhD  
University of Kentucky, Lexington, KY

11:25 – 11:40 AM  **PPARα Null Mice Have Decreased Heart Function and Myocardial Fatty Acid Oxidation in Sepsis** (Abstract 26)  
Stephen Standage, MD  
University of Washington School of Medicine, Seattle Children’s Hospital, Seattle, WA

11:40 – 11:55 AM  **Age-Dependent Changes of Metabolic Pathways in the Myocardium Following Murine Hemorrhagic Shock** (Abstract 27)  
Dzmitry Matsiukevich, MD  
University of Cincinnati, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

9:00 – 11:50 AM  **PARALLELL SESSION VI: Trained Immunity and Pattern Recognition Receptors in Critical Illness and Sepsis**  
Moderators: David L. Williams, PhD  
East Tennessee State University, Johnson City, TN  
Frank van de Veerdonk, MD, PhD  
Radboud University, Nijmegen, The Netherlands

9:00 – 9:20 AM  **Reprogramming Innate Immune Responses in Sepsis**  
Frank van de Veerdonk, MD, PhD  
Radboud University, Nijmegen, The Netherlands

9:20 – 9:40 AM  **Augmentation of Antimicrobial Immunity with TLR Agonists**  
Edward R. Sherwood, MD, PhD  
Vanderbilt University Medical Center, Nashville, TN

9:40 – 10:00 AM  **A Prime Time for Trained Immunity: Innate Immune Memory in Newborn and Infants**  
James Wynn, MD  
University of Florida, Gainesville, FL

10:00 – 10:20 AM  **Can We Train Innate Immunity with Synthetic Ligands for Pattern Recognition Receptors?**  
David L. Williams, PhD  
East Tennessee State University, Johnson City, TN

10:20 – 10:35 AM  **Refreshment Break**

10:35 – 10:50 AM  **Selective Role for Neutrophil-Dependent HIF1A in Attenuating Post-Ischemic Myocardial Inflammation** (Abstract 28)  
Michael Koeppen, MD  
Ludwig-Maximilians-University, Munich, Germany

10:50 – 11:05 AM  **Toll-Like Receptor 3 Stimulates Cardiomyocyte Proliferation and Cardiac Regeneration After Myocardial Infarction: Correlation with the Warburg Effect** (Abstract 29)  
Xiaohui Wang, MS  
East Tennessee State University, Johnson City, TN
11:05 – 11:20 AM Metabolic Reprogramming of Macrophages with Toll-Like Receptor Ligands (Abstract 30) Benjamin Fensterheim, BS Vanderbilt University, Nashville, TN

11:20 – 11:35 AM Alum as a Preventative Therapy Abolishes Mortality in Murine Neonatal Sepsis by Improving Effector Cell Function and Bacterial Clearance (Abstract 31) Angela Cuenca, BA, MPH University of Florida, Gainesville, FL

11:35 – 11:50 PM Molecular Mechanisms of Monophosphoryl Lipid A Induced Neutrophil Mobilization and Recruitment (Abstract 32) Antonio Hernandez, MD Vanderbilt University, Nashville, TN

1200 – 1:30 PM ORAL PRESENTATIONS BY AND FOR NEW INVESTIGATORS Moderators: Jennifer M. Kaplan, MD Cincinnati Children’s Hospital Medical Center, Cincinnati, OH Deborah Carlson, PhD University of Texas Southwestern Medical Center, Dallas, TX

12:00 – 12:15 PM Traumatic Brain Injury Induced Neutrophil Recruitment Confers Increased Survival to Pneumonia (Abstract P158) Evan Chiswick, PhD Boston University Medical Center, Boston, MA

12:15 – 12:30 PM MFG-E8-Derived Peptide Inhibits Adhesion and Migration of Neutrophils to Cytokine-Stimulated Endothelial Cells (Abstract P71) Yoheii Hirano, MD The Feinstein Institute for Medical Research, Manhasset, NY

12:30 – 12:45 PM Functional and Phenotypic Characteristics of Peritoneal Macrophages in Mice Deficient in Invariant Natural Killer T (Inkt) Cells During Polymicrobial Sepsis (Abstract P209) Tristen Chun, MD Rhode Island Hospital, Brown University, Providence, RI

12:45 – 1:00 PM P2y12 Receptor as a Therapeutic Target In Sepsis (Abstract P120) Elisabetta Liverani, PhD Temple University School of Medicine, Philadelphia, PA

1:00 – 1:15 PM Using Plasma Neuron Specific Enolase Levels to Diagnose Brain Injury in Pediatric Sepsis – A Pilot Study (Abstract P202) Diana Pang, MD University of Pittsburgh, Pittsburgh, PA

1:15 – 1:30 PM Serum Amyloid A Regulates the Adipose-Liver Cross Talk Post Burn Injury by Auto/Paracrine Modulation of Adipose Tissue Lipolysis and Apoptosis (Abstract P86) Abdikarim Abdullahi, MS University of Toronto, Sunnybrook Research Institute, Toronto, Canada

1:30 – 3:00 PM PLENARY SESSION III: Pro-Con Debate: Is the Inflammatory Response a Worthy Target During Sepsis Moderator: Daniel Remick, MD Boston University School of Medicine, Boston, MA

1:30 – 2:00 PM Pro: Modulation of Hypercytokinemia is Clinically Relevant on Patients with Severe Sepsis and Septic Shock Hiroyuki Hirasawa, MD, PhD Chiba University Graduate School of Medicine, Chiba, Japan
Con:  
Sepsis Mortality Bangs are Yin/Yang: Why We Should Treat the Yang  
Charles McCall, MD  
Wake Forest School of Medicine, Winston-Salem, NC

2:00 – 2:30 PM  
Con:  
Inflammosuppression in Sepsis: Don’t Kill the Messenger  
Susan Evans, MD  
Carolinas Medical Center, Charlotte, NC

Pro:  
Don’t Give Up on Immunotherapy for Sepsis  
Anja Jaehne, MD  
Henry Ford Hospital, Detroit, MI

2:30 – 3:00 PM  
Panel: Question/Answer

3:00 – 3:30 PM  
Refreshment Break

3:30 – 5:35 PM  
PARALLEL SESSION VII: Regenerative Medicine/Tissue Engineering  
Mt. Sopris  
Moderators: Heinz Redl, PhD  
Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Vienna, Austria  
Yoram Vodovotz, PhD  
University of Pittsburgh, Pittsburgh, PA

3:30 – 3:50 PM  
An Extracorporeal Blood-Cleansing Device for Sepsis Therapy (Biospleen)  
Joo Kang, PhD  
Wyss Institute, Harvard University, Boston, MA

3:50 – 4:10 PM  
MSC-Cells and Secretomes in Shock and Sepsis  
Soheyl Bahrami, PhD  
Ludwig Boltzmann Institute for Experimental and clinical Traumatology, Vienna, Austria

4:10 – 4:30 PM  
A Self-regulating Device for the Control of Systemic Acute Inflammation.  
Yoram Vodovotz, PhD  
University of Pittsburgh, Pittsburgh, PA

4:30 – 4:50 PM  
Cell Therapy for Ovine Acute Lung Injury  
Perenlei Enkhbaatar, MD, PhD  
University of Texas Medical Branch, Galveston, TX

4:50 – 5:05 PM  
Imaging Cell Death In Vivo During Polymicrobial Sepsis (Abstract 33)  
Lin Zou, MD, PhD  
Massachusetts General Hospital, Charlestown, MA

5:05 – 5:20 PM  
Myeloid Cells Steer Mesenchymal Stem Cells into the Wound Bed: A Mechanism for Elderly’s Deficient Healing (Abstract 34)  
Marc Jeschke, MD, PhD  
University of Toronto, Sunnybrook Research Institute, Toronto, Canada

5:20 – 5:35 PM  
Sphingosine-1-Phosphate/S1P Receptors Modulate Hematopoietic Progenitor Cell Mobilization Following Trauma/Hemorrhagic Shock (Abstract 35)  
Ines Alamo, MD  
University of Florida, Gainesville, FL
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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
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<tr>
<td>3:30 – 3:50 PM</td>
<td>Thrombin Generation</td>
<td>Kenneth Mann, PhD</td>
<td>University of Vermont, Burlington, VT</td>
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<td>3:50 – 4:10 PM</td>
<td>Activated Protein C</td>
<td>Mitchell Cohen, MD</td>
<td>University of California San Francisco, San Francisco, CA</td>
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<td>4:10 – 4:30 PM</td>
<td>Modulating the Endotheliopathy of Trauma with Plasma and Platelet Transfusion</td>
<td>Shibani Pati, MD, PhD</td>
<td>University of California San Francisco, San Francisco, CA</td>
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<td>4:30 – 4:50 PM</td>
<td>Platelet Dysfunction</td>
<td>Anirban Banerjee, PhD</td>
<td>University of Colorado Denver, Denver, CO</td>
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<td>4:50 – 5:10 PM</td>
<td>Deregulated Fibrinolysis</td>
<td>Hunter Moore, MD</td>
<td>University of Colorado, Aurora, CO</td>
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<td>5:10 – 5:25 PM</td>
<td>Spray-Dried Plasma and Fresh Frozen Plasma are Functionally Equivalent within an In Vivo Mouse Model of Hemorrhagic Shock (Abstract 36)</td>
<td>Daniel Potter, PhD</td>
<td>Blood Systems Research Institute, San Francisco, CA</td>
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<td>5:25 – 5:40 PM</td>
<td>Early TRAP Pathway Platelet Inhibition Predicts Coagulopathic Hemorrhage in Trauma (Abstract 37)</td>
<td>Michael Chapman, MD</td>
<td>University of Colorado, Aurora, CO</td>
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<td>6:30 – 7:30 PM</td>
<td>Reception</td>
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<td>7:30 – 9:30 PM</td>
<td>Dinner</td>
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**Imperial Ballroom**

**Imperial Foyer**

**Imperial Ballroom**