



UNIVERSITY OF PITTSBURGH
SCHOOL OF MEDICINE
DEPARTMENT OF SURGERY

Twelfth Annual Richard L. Simmons Lecture in Surgical Science and Department of Surgery Research Day

Wednesday, May 14, 2014
The University Club
Ballrooms A and B



University of Pittsburgh

*School of Medicine
Department of Surgery*

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SCHEDULE

- 7:30–8 a.m. Poster Viewing
Ballrooms A and B
- 8–9 a.m. **Richard L. Simmons Lecture
in Surgical Science**
Ballroom A
*“Small Molecules for Small Patients:
A Surgical Journey into the
Pathogenesis and Treatment of
Necrotizing Enterocolitis”*
David J. Hackman, MD, PhD, FACS
Watson Family Professor of Surgery
Associate Dean for Medical Student Research
Professor of Surgery and Cell Biology and Physiology,
University of Pittsburgh School of Medicine
Codirector Fetal Diagnosis and Treatment Center,
Children’s Hospital of Pittsburgh of UPMC
- 9–9:30 a.m. Poster Viewing/Break
Ballrooms A and B
- 9:30–10:45 a.m. Oral Presentations
Session 1
Ballroom A
- 10:45–11:15 a.m. Poster Viewing/Break
Ballroom B
- 11:15 a.m.–12:30 p.m. Oral Presentations
Session 2
Ballroom A
- 12:30–2 p.m. Buffet Luncheon
Ballroom B

SESSION 1

- 9:30–9:45 a.m. **GUANQIAO LI**
“NK Cell High-Mobility Group Box 1 (HMGB1)
Is Required for Anti-tumor Function”
- 9:45–10 a.m. **LIYAN FAN**
“Neutrophils Counteract Alveolar Macrophage Anti-
Inflammatory Mechanisms to Sustain Acute Lung
Inflammation after Hemorrhagic Shock”
- 10–10:15 a.m. **BRIAN BOONE, MD**
“Neutrophil Autophagy Promotes Neutrophil
Extracellular Traps (NET) in Pancreatic Adenocarcinoma
Contributing to Tumor Growth and Metastases”
- 10:15–10:30 a.m. **PATRICK VARLEY, MD**
“Trainee Participation in Pancreaticoduodenectomy
is Associated with Reduced Mortality and Equivalent
Morbidity”
- 10:30–10:45 a.m. **JENNIFER STEIMAN, MD**
“Omission of Sentinel Lymph Node Biopsy (SLNB) Does
Not Alter Recurrence or Survival in Estrogen Receptor
(ER)+ Early Stage Breast Cancer in Women 80 Years
and Older”

SESSION 2

- 11:15–11:30 a.m. **SAMER TOHME, MD**
“HMGB1 and Mitochondrial DNA Mediate Tumor Growth
in Hepatocellular Carcinoma through TLR-9 Activation”
- 11:30–11:45 a.m. **QIAN “KATIE” SUN, MD, PhD**
“HMGB1 Protects Hepatocytes from Cell Death by
Activating Caspase-1 and Up-Regulating Autophagy
after Redox Stress”
- 11:45 a.m.–Noon **REMEALLE HOW, MD**
“Upregulation of the Pro-apoptotic Protein XIAP-
Associated Factor-1 (XAF1) Contributes to Liver
Damage in Liver Ischemia/Reperfusion Through the
Apoptotic Pathway”
- Noon–12:15 p.m. **SHAHAB SHAFFIEY, MD**
“Generation of an Artificial Intestine and Validation
in a Dog Model”
- 12:15–12:30 p.m. **JOSHUA BROWN, MD**
“Geographic Regional Variations in Mortality Benefit
for Helicopter Transport in Trauma: System Disparities
Driving Outcomes?”