



Pre-Program

Wednesday, October 4th

1:00 – 6:00 pm Aging, Inflammation and Fibrosis Satellite Symposium *Sponsored by MedImmune and National Institutes on Aging (NIA)*

Chairs:

Jane Conner, *MedImmune*; Lynne Murray, *MedImmune*; Elizabeth J. Kovacs, *Uni. of Colorado Denver*; Rebecca Fuldner, *NIA*

Location:
MacKenzie

- 1:00 pm Opening Remarks
- 1:15 pm **Inflammation in Tissue Regeneration and Fibrosis**, Tom Wynn, *NIAID*
- 2:00 pm **Granzyme B in Aging and Impaired Collagen Remodeling**, David Granville, *University of British Columbia*
- 2:30 pm **Interconnected Stress Responses in Aging and Fibrosis of the Lung**, Ana Mora, *University of Pittsburgh*
- 3:00 pm Break
- 3:15 pm **Inflammatory Cells in the Response to Sterile Damage: New Roles for Unexpected Players**, Fabio Rossi, *University of British Columbia*
- 3:45 pm **Therapeutic Targeting of Age-associated Pathological Mechanisms in Fibrotic Lung Disease**, Louise Hecker, *University of Arizona*
- 4:15 pm Discussion
- 5:00 pm Reception

50th Annual Meeting of
The Society for Leukocyte Biology
“Leukocyte Memory: Health and Disease”



October 5-7, 2017

The Westin Bayshore, Vancouver, Canada

Organizers: Liwu Li and Lionel Ivashkiv

Thursday, October 5th

Registration	Speaker Ready Room	Exhibits
8:00 am – 6:00 pm Bayshore Foyer	8:00 am – 6:00 pm Fraser	10:00 am – 6:00 pm Bayshore Foyer

9:00 – 11:00 am Poster Flash Talks:
Highlighted Poster Session Presentations

Chairs:
Silvia Uriarte, *University of Louisville*; Stephania Libreros, *Harvard*; Juhi Bagaitkar, *University of Louisville*


Location:
Bayshore Grand Ballroom Salon A

Neutrophil Immune Evasion: Co-Chair: Madison Collins

Understanding the Regulation of Virulence in *Staphylococcus aureus* during Innate Immune Evasion, Madison Collins, *Montana State University, Travel Awardee Abstract 64*

The Role of Neutrophils and Extracellular Adenosine in Shaping Age-driven Susceptibility to *Streptococcus pneumoniae* Lung Infection, Elsa Bou Ghanem, Tufts University, *Travel Awardee Abstract 80*

Blunted Neutrophil Priming in Children with Type 1 Diabetes and Diabetic Ketoacidosis, Blake Nichols, *University of Texas Southwestern Medical Center, Travel Awardee Abstract 48*

Adaptation to Complex Host Niches by Fungal Pathogen *Candida albicans* Drives Resistance to Neutrophil Attack, J. Pedro Lopes, *Umeå Universitet, Travel Awardee Abstract 53* 


Innate Mechanisms of Human Disease: Co-Chair: Abigail Cannon

IVIg and IVIg Activated Macrophages as an IL-10 Dependent Novel Therapeutic Strategy for Inflammatory Bowel Disease, Lisa Kozicky, *University of Alberta, Abstract 42*

Alcohol Increases Susceptibility to Enteropathogens in Mice with DSS-Induced Colitis, Abigail Cannon, *Loyola University Chicago, Travel Awardee Abstract 76*

Inflammatory Modulation Induced by Crystalloid Intravenous Infusion in Healthy Subjects, Jean-Alexandre Sauv , *University of Montreal Abstract 57*

Identification of S100A14 as a Potential Mechanism of Innate Immune Resistance in HIV-exposed Sero-negative Injection-drug Users (HESN-IDU), Krystal Colon-Rivera, Wistar Institute, *Travel Awardee Abstract 71*

 *The author requests the audience refrain from tweeting the content of this presentation*

Molecular Mechanisms of Innate and Adaptive Responses: Co-Chair: Yanhui Cai

Serpinb6a Cooperates with Serpinb1a in Protecting Myeloid Cells from Cathepsin G-mediated Death in vivo, Sabrina Sofia Burgener, *University of Bern, Travel Awardee Abstract 46*

Characterization and Consensus of the Conventionally Housed C57BL/6J Antibody Repertoire, Trisha Rettig, *Kansas State University, Travel Awardee Abstract 70*

Rab17 Mediates Differential Antigen Sorting Following Efferocytosis and Phagocytosis, Charles Yin, *Western University, Ontario, Travel Awardee Abstract 75*

Establishment of Non-resolving Low-grade Inflammatory Monocytes Due to Autophagy Disruption by Super-low Dose LPS, Allison Rahtes, *Virginia Tech, Travel Awardee Abstract 74*

11:00 am - 1:00 pm MTTG (Members in Transition and Training) Session Lunch: High Throughput Technologies – Perspectives and Insights *Pre-registration required*

Chairs:
Stephania Libreros, *Harvard*;
Juhi Bagaitkar, *University of Louisville*

Location:
Stanley Park
Ballroom Salon 3

Somalogic - Somamer Based Technology, Dan Drolet, *Somalogic*

Beyond the Phenotype and Genotype: Defining Functional Immunology with Ex Vivo assays and High Resolution, high speed, Imaging Flow Cytometry, Ben Alderete, *MilliporeSigma*

12:00-1:00 pm Lunch on your own

1:00 - 2:30 pm Welcome and Plenary I: Memory of Tissue Location and Micro-environment

Chairs:
Liwu Li, *Virginia Tech*;
Lionel Ivashkiv, *Hospital for Special Surgery*

Location:
Bayshore Grand
Ballroom Salon A&B

1:00 pm
Nature and Nurture of Macrophage Identity and Function, Chris Glass, *University of California, San Diego*

1:30 pm
The Power of One: Immunology in the Age of Single Cell Genomics, Ido Amit, *Weizmann Institute*


2:00 pm
Negative Regulation of Inflammation, Carla Rothlin, *Yale University*

2:30 - 3:15 pm SLB Presidential Student Nominees


Chair:
Lee-Ann Allen, *University of Iowa*

Location:
Bayshore Grand
Ballroom Salon A&B

2:30 pm
Phospholipase D2 (PLD2) is Crucial for Oxidized Cholesterol Uptake and Foam Cell Formation in Atherosclerotic Plaques, Ramya Ganesan, *Wright State Uni. Abstract 01*

2:45 pm
Neutrophil Superoxide Production is Inhibited by Staphylococcus aureus SaeR/S-regulated Factors, Fermin Guerra, *Montana State University Abstract 02* 

3:00 pm
Metformin Rewires the Pro-inflammatory Metabolic and Functional Adaptation of Human Inflammatory Airway PMNs, Osric Forrest, *Emory University Abstract 03*

 *The author requests the audience refrain from tweeting the content of this presentation*

3:15 - 4:00 pm SLB Presidential Jr.

Faculty/Postdoc Nominees

Chair:

Robert A. Clark, *UT Health Science Center*

Location:

Bayshore Grand Ballroom Salon A&B

3:15 pm

Selective Inhibition of T Cells by Myeloid-Derived Suppressor Cells from Septic Patients, Julie Stortz, *University of Florida* Abstract 04

3:30 pm

Human Neutrophils Exhibit Delayed Apoptosis and Secrete IL-1 β after Phagocytosis of *Neisseria gonorrhoeae*, Christine Cho, *University of Iowa* Abstract 05

3:45 pm

Insights into Lysis of Human Neutrophils after *S. aureus* Ingestion, Silvie Kremserova, *University of Iowa* Abstract 06

4:00 – 4:15 pm Coffee Break, Bayshore Foyer

4:15 - 5:30 pm

Senior Level Awards

Chairs:

Lee-Ann Allen, *University of Iowa*; Robert A. Clark, *UT Health Science Center*

Location:

Bayshore Grand Ballroom Salon A&B

4:15 pm Dolph Adams

Awardee:

Inflammasomes and Pathogen Sensing, Thirumala-Devi Kanneganti, *St Jude Children's Research Hospital* Abstract 07

4:40 pm Jeanette Thorbecke

Awardee:

The TLR4 Agonist Monophosphoryl Lipid A Mediates Broad Protection Against Infection via Augmentation of Innate Antimicrobial Cell Functions, Julia Bohannon, *Vanderbilt University* Abstract 08

5:05 pm Women & Diversity Paper

of the Year Awardee:

Commensal Microbes and the Eye, Inside and Out, Rachel Caspi, *NIH/NEI* Abstract 09

5:30 - 6:30 pm

50th Anniversary Presentation

Keynote speakers Mary Dinauer, Past SLB Treasurer; Joe Oppenheim, Past JLB Editor-in-Chief; and Peter Ward, Past President.

Chairs:

Ann Richmond, *Vanderbilt University School of Medicine*

Location:

Bayshore Grand Ballroom Salon A&B

6:30 - 7:30 pm Opening Reception, Bayshore Foyer/Pool Garden

7:30 - 8:30 pm Keynote Lecture

Bonazinga Award Winner, Sponsored by Accurate Chemical

slan⁺-Monocyte/slan⁺-Macrophage/slanDC/slan⁺-cell:

The True Story about this Cell Type and its Involvement in Human Cancer

Marco A. Cassatella, *University of Verona*

Chairs:

Lee-Ann Allen, *University of Iowa*; Robert A. Clark, *UT Health Science Center*

Location:

Bayshore Grand Ballroom Salon A&B

Friday, October 6th

Registration 8:00 am – 4:00 pm Bayshore Foyer	Speaker Ready Room 8:00 am – 4:00 pm Fraser	Exhibits 9:00 am – 4:00 pm Bayshore Foyer
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7:00 - 9:00 am

Networking Breakfast

Stanley Park Ballroom Salon 1&2

Enjoy breakfast while networking with invited speakers (Mashkoor A. Choudhry, *Loyola University*; Mary Dinauer, *Washington Univ Sch Med*; Lewis Lanier, *UCSF*; Peng Liu, *University of North Carolina at Chapel Hill*; and Ira Tabas, *Columbia University*), exhibitors, or your own group.

OR

**Professional Development Breakfast:
Career Counseling, Guidance, and
Preparation for a Job Interview**

Stanley Park Ballroom Salon 3

Pre-registration required

Chair: Claire Doerschuk, *Uni of N. Carolina Sch of Med*

Featuring: John Lombardo, Career Counselor

A special session targeted to students, postdocs, and young faculty members providing two segments 1) Developing your core message / “Elevator Speech” and 2) Job interview preparation: How to interview your next boss.

**9:00 - 10:30 am Plenary II: Epigenetic
Mechanisms of Memory in Innate Immune Cell
Activation**

Chairs:

Domenico Mavilio, *Uni. Of Milan*;
Ilhem Messaoudi, *University of
California at Irvine*

Location:

Bayshore Grand
Ballroom Salon
A&B

9:00 am

**Epigenetic Regulation of Human
Macrophage Activation and
Function**, Lionel Ivashkiv, *Hospital
for Special Surgery*

9:30 am

**Regulatory Mechanisms in Trained
Immunity**, Mihai Netea, *NIJMGEM*

10:00 am

**Transcriptional and Chromatin-
mediated Control of Macrophage
Function**, Gioacchino Natoli, *IFOM-
IEO*

10:30 – 10:45 am Coffee Break, Bayshore Foyer

10:45 am - 12:15 pm Concurrent Sessions 1 & 2


Concurrent Session 1: Microbiome in Leukocyte Memory

Chairs: Andrew Gewirtz, *Georgia State University*; Diane Bimczok, *Montana State University*
Location: Bayshore Grand Ballroom Salon A&B

Featured Speaker:

10:45 am **Gut Microbiota, Chronic Inflammation, and Metabolic Syndrome**
Andrew Gewirtz, *Georgia State University*

Selected Talks:

11:15 am **The mRNA and microRNA Transcriptome of Lung Neutrophils during Streptococcus pneumoniae Pneumonia in Mice**, John Gomez, *University of North Carolina*, *Travel Awardee* Abstract 10 

11:30 am **Helicobacter pylori Modulates the Lifespan and Cell Death Mechanisms of Human Neutrophils**, Laura Whitmore, *University of Iowa* Abstract 11

11:45 am **Novel Pro-Resolving Receptor Axis Activates Intracellular Signaling and Phagocytosis**, Stephania Libreros Ruiz, *Harvard Medical School*, *Travel Awardee* Abstract 12

12:00 pm **The Impact of the Microbiome on the Immuno-modulation and Immuno-suppression in Severely Burned Patients**, Zeid Kuzbari, *Université de Montréal* Abstract 13

Concurrent Session 2: Systems Analyses of Leukocyte Memory

Chairs: Christina Leslie, *Memorial Sloan Kettering Cancer Center*; Reto Asmis, *UTHSCSA*
Location: Bayshore Grand Ballroom Salon C

Featured Speaker:

10:45 am **Epigenetic Memory in T lymphocytes**
Christina Leslie, *Memorial Sloan Kettering Cancer Center*

Selected Talks:

11:15 am **Dyslipidemic Diet-Induced Monocyte “Priming” and Dysfunction in Non-Human Primates is Triggered by Rising Plasma Cholesterol and Accompanied by Altered Histone Acetylation**, Reto Asmis, *UTHSCSA* Abstract 14

11:30 am **Systemic Approach Analysis of Long Noncoding RNAs’ Function in Infection**, Min Wu, *University of North Dakota* Abstract 15

11:45 am **Transition of NAD Salvage to De Novo Biosynthesis Sustains Memory of Endotoxin Tolerance During an Acute Inflammatory Response**, Tiefu Liu, *Wake Forest University School of Medicine* Abstract 16

12:00 pm **Maternal Pregravid Obesity Remodels the DNA Methylation Landscape of Cord Blood Monocytes Disrupting its Inflammatory Program**, Suhas Sureshchandra, *University of California Irvine*, *Travel Awardee* Abstract 17

OR

12:15 - 2:15 pm **Poster Session I Lunch, Bayshore Grand Ballroom Salon D - F**

Enjoy lunch while viewing poster presentations of ODD abstract numbers.

2:15 – 3:45 pm Plenary III: Epigenetic Memory in Lymphocytes


2:15 pm
Natural Killer Cells Remember, Lewis Lanier, *UCSF*

2:45 pm
Genomic Clues to Lymphocyte Function, Yuka Kanno, *NIAMS/NIH*

Chairs:
Anne Pereira, *Univ of Oklahoma Health Sciences Center*; Lou Justement, *Uni of Alabama at Birmingham*

Location:
Bayshore Grand Ballroom Salon A&B

3:15 pm
Transcriptional and Epigenetic Regulation of CD8 T cell Immunity, Ananda Goldrath, *UCSD*

 *The author requests the audience refrain from tweeting the content of this presentation*

3:45 – 4:00 pm Coffee Break, Bayshore Foyer

4:00 - 5:30 pm Concurrent Sessions 3 & 4

Concurrent Session 3: Leukocyte Memory and Drug Development

Chairs: Matthew Sleeman, *MedImmune*; Erica Stone, *Wistar Institute*

Location: Bayshore Grand Ballroom Salon A&B

Featured Speaker:

4:00 pm **Using Biologics to Turn Bad Memories into Good?** Matthew Sleeman, *MedImmune*

Selected Talks:

4:30 pm **BCL6 Inhibition Represses HIV Infection ex vivo by Suppression of Immune Activation**, Yanhui Cai, *Wistar Institute, Travel Awardee* Abstract 18

4:45 pm **Easy Isolation of Particle-free Human ILC2s from Peripheral Blood Mononuclear Cells**, Fran Antignano, *StemCell Technologies Inc.* Abstract 19

5:00 pm **Dissecting Mechanisms of beta-glucan Trained Immunity**, Cody Stothers, *Vanderbilt University* Abstract 20

5:15 pm **The Effect of anti-CTLA-4 on Tumor-infiltrating Effector T cells**, Erica Stone, *Wistar Institute* Abstract 21 

Concurrent Session 4: Systems Biology of Adaptive Immune Memory

Chairs: Ellen Rothenberg, *California Institute of Technology*; Bill Luscinskas, *Partners Healthcare*

Location: Bayshore Grand Ballroom Salon C


Featured Speaker:

4:00 pm **Transcription Factor Action in the Gene Regulatory Network for T-cell Development**, Ellen Rothenberg, *California Institute of Technology*

Selected Talks:

4:30 pm **Acute Activation of CD4+ Memory Tregs by Traumatic Injury**, James Lederer, *Harvard Medical School* Abstract 22

4:45 pm **Germline Deletion of CD47, “A Don’t Eat Me Signal”, Promotes Pro-inflammatory Adaptive Immunity and Atherosclerosis.**, Bill Luscinskas, *Partners Healthcare* Abstract 23

5:00 pm **Characterization of a Novel Subset of Tissue-resident NKp46pos Vd1 Intestinal Intraepithelial Lymphocytes Playing a Key Role in Gut Immune Homeostasis and in the Physiopathology of Colon-cancer**, Domenico Mavilio, *Uni. Of Milan* Abstract 24 

5:15 pm **The Decisive Role of TNF-TNFR2 Pathway in the Activation of CD4+Foxp3+ Regulatory T cells: Implications in Tumor Immunotherapy**, Xin Chen, *University of Macau* Abstract 25


OR

6:30 - 10:00 pm 50th Anniversary Cruise

Harbor Dinner Cruise, ticket required

Join your fellow attendees and enjoy a dinner cruise conveniently located right outside the conference hotel.

Take in the beautiful views, network, and reflect on 50 years of SLB!

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Saturday, October 7th

Registration	Speaker Ready Room	Exhibits
8:00 am – 4:30 pm Bayshore Foyer	8:00 am – 4:30 pm Fraser	9:00 am – 4:30 pm Bayshore Foyer

7:00 - 9:00 am

Networking Breakfast

Stanley Park Ballroom Salon 1&2

Enjoy breakfast while networking with invited speakers (Marco A. Cassatella, *University of Verona*; Lionel Ivashkiv, *Hospital for Special Surgery*; Liwu Li, *Virginia Tech*; Mitzi Nagarkatti, *University of South Carolina School of Medicine*; and Carla Rothlin, *Yale University*), exhibitors, or your own group.

OR

Women & Diversity Breakfast: Managing Up, Down and Across: Effective Strategies for Obtaining the Resources You Need

Stanley Park Ballroom Salon 3

Pre-registration required

Chair: Amanda Brown, *John's Hopkins*, Keynote Speaker: Elizabeth J. Kovacs, *University of Colorado Denver*
A special session for anyone interested in effective techniques for managing up, down, and across including how to handle crucial conversations, effective self-advocacy strategies, and controlling emotions.

9:00 - 10:30 am Concurrent Sessions 5 & 6

Concurrent Session 5: Metabolism in Leukocyte Memory

Chairs: Danica Chen, *University of California, Berkley*; Vidula Vachharajani, *Wake Forest Univ Sch of Med*
Location: Bayshore Grand Ballroom Salon A&B

Featured Speaker:

9:00 am **Mitochondrial Metabolic Checkpoint, Stem Cell Aging and Rejuvenation**, Danica Chen, *University of California, Berkley*

Selected Talks:

9:30 am **Mitochondrial Size/Function Controls Level of Viral Immunity in Young Children**, David Verhoeven, *Iowa State Uni. Abstract 26*

9:45 am **Tissue-Resident Myeloid-Derived Suppressor Cells in Adipose from Lean Mice**, Katlin Stivers, *University of Louisville Abstract 27*

10:00 am **Oxidation Modulates NAD⁺-sensor Sirtuin 2 during Obesity with Sepsis**, Vidula Vachharajani, *Wake Forest Uni Sch of Med Abstract 28*

10:15 am **Modification of Macrophage Metabolism and Memory by TLR4 Agonists**, Edward Sherwood, *Vanderbilt University Abstract 29*

OR

Concurrent Session 6: Leukocyte Memory in Autoimmune Disease

Chairs: Virginia Pascual, *Baylor University Medical Center*; Xiaoyu Hu, *Tsinghua University*
Location: Bayshore Grand Ballroom Salon C

Featured Speaker:

9:00 am **Novel Insights into Human Lupus Pathogenesis**, Virginia Pascual, *Baylor University Medical Center*


Selected Talks:

9:30 am **Regulation of Inflammation by Notch Signaling**, Xiaoyu Hu, *Tsinghua University Abstract 30*

9:45 am **Ocular Immune Privilege Selects for Programmed Innate Memory-Tolerance**, Andrew Taylor, *Boston University Sch of Med Abstract 31*

10:00 am **The Role of MALT1 in Macrophages**, Mahdis Monajemi, *British Columbia Children's Hospital Res. Institute Abstract 32* 

10:15 am **Pegylated ifn-alpha-2b Decreases Latent HIV Measures in Art-Suppressed Subjects**, Luis Montaner, *Wistar Institute Abstract 33*

 *The author requests the audience refrain from tweeting the content of this presentation*

10:30 – 10:45 am Coffee Break, Bayshore Foyer

10:45 am - 12:15 pm Concurrent Sessions 7 & 8

Concurrent Session 7: Engineering Analyses of Leukocyte Memory

Chairs: Daniel Irimia, *Harvard University*; Cynthia Leifer, *Cornell University*

Location: Bayshore Grand Ballroom Salon A&B

Featured Speaker:

10:45 am **Probing Neutrophil Memory Using Microfluidic Devices, During Infections and Sepsis**, Daniel Irimia, *Harvard University*

Selected Talks:

11:15 am **Regulation of Macrophage Function by the Adhesive Microenvironment**, Wendy Liu, *University of California Irvine* Abstract 34

11:30 am **Immunological Explorations of Ex Vivo Lung Perfusion and the Pall LeukoGuard® Filter**, David Holden, *University of Florida* Abstract 35

11:45 am **TLR Signaling in Macrophages is Regulated by Extracellular Substrate Stiffness and Rho-associated Coiled Coil Kinase (ROCK1/2)**, Cynthia Leifer, *Cornell University* Abstract 36

12:00 pm **Quantifying Effects of Neutrophil Memory on Migration Patterns using Microfluidic Platforms and ODE Modeling of the Mechanistic Molecular Pathways**, Brittany Boribong, *Virginia Tech, Travel Awardee* Abstract 37

Concurrent Session 8: Best of Journal of Leukocyte Biology

Chairs: Luis Montaner, *Wistar Institute*; Mark Wallet, *University of Florida Health*

Location: Bayshore Grand Ballroom Salon C

Featured JLB Authors:

10:45 am **Δ^9 -Tetrahydrocannabinol Attenuates Allogeneic Host-versus-graft Response and Delays Skin Graft Rejection through Activation of Cannabinoid Receptor 1 and Induction of Myeloid-derived Suppressor Cells**, Mitzi Nagarkatti, *University of South Carolina School of Medicine*.

OR

11:15 am **Tumor-reactive Immune Cells Protect Against Metastatic Tumor and Induce Immunoediting of Indolent but not Quiescent Tumor Cells**, Kyle Payne, *Wistar Institute*

11:45 am **Myeloid-derived Suppressor Cells Regulate T cell and B cell Responses during Autoimmune Disease**, Peng Liu, *University of North Carolina at Chapel Hill*

12:15 - 2:15 pm Poster Session II Lunch, Bayshore Grand Ballroom Salon D - F

Enjoy lunch while viewing poster presentations of EVEN abstract numbers.

2:15 – 2:45 pm Member Business Meeting & Presidential Award Announcements, Bayshore Grand Ballroom Salon A&B

Chairs Robert A. Clark & Lee-Ann Allen share news about the society and journal. Announcements of Presidential award winners along with honorary society awards and recognition of SLB Travel Awardees.

🔕 *The author requests the audience refrain from tweeting the content of this presentation*

**2:45 - 4:15 pm Plenary IV: Leukocyte Memory
in Chronic Disease**

Chairs:
Véronique Witko-Sarsat, *INSERM*;
David Underhill, *Cedars-Sinai*

Location:
Bayshore Grand
Ballroom Salon
A&B

2:45 pm
**Macrophage Efferocytosis in
Inflammation Resolution and
Atherosclerosis**, Ira Tabas, *Columbia
University*

3:15 pm
Mesenteric Macrophages,
Gwendalyn Randolph, *Washington
University in St. Louis, School of
Medicine*

3:45 pm
**MicroRNA Shuttling during Acute
Lung Injury**, Holger Eltzschig, *UT
Health/ McGovern Medical School*

4:15 – 4:30 pm Coffee Break, Bayshore Foyer

**4:30 - 6:00 pm Plenary V: Leukocyte Memory in
Infection and Injury**

Chairs:
Claire Doerschuk, *Uni of North
Carolina Sch of Med*; Bruce
Walcheck, *Univ of Minnesota*

Location:
Bayshore Grand
Ballroom Salon
A&B

4:30 pm
**Inflammatory Monocyte
Differentiation in Metabolic
Vascular Disease**, Hong Wang,
Temple University School of Medicine

5:00 pm
**Gastrointestinal Response to Alcohol
and Trauma**, Mashkoo Choudhry,
Loyola University

5:30 pm
**Dynamic Programming and
Memory of Innate Leukocytes in
Acute and Chronic Diseases**, Liwu
Li, *Virginia Tech*