

Meeting Program
41st Annual Meeting of the
Society for Leukocyte Biology
Leukocytes: Tissue Interactions, Homeostasis, and Host Defense



November 6-8, 2008
The Westin Tabor Center
Denver, Colorado

Wednesday, November 5

3:00 - 6:00 pm **SLB Council Meeting** (*Curtis*)

Thursday, November 6

8:00 am - 5:00 pm **Registration** (*Conference Office C*)

8:00 - 11:30 am **SLB Council Meeting** (*Curtis*)

12:00 - 2:00 pm **Special Symposium: Leukocytes in Aging** (*Continental A&B*)

Chairs: Rebecca Fuldner, NIA, NIH, Bethesda, MD
Elizabeth J. Kovacs, Loyola Univ. Med. Ctr., Maywood, IL

12:00 pm **Immunesenescence: consequences and possible counteractions.** J. M. Lord. Univ. of Birmingham Med. Sch., Birmingham, UK.

12:30 pm **Increased oxidative and nitrosative stress in lungs of elderly mice following exposure to pulmonary irritants.** V.R. Sunil, K.J. Patel, R.J. Laumbach, B.J. Turpin, G. Mainelis, M. Veleparambil, A.J. Gow, D.L. Laskin. Rutgers Univ., Piscataway, NJ; UMDNJ-Robert Wood Johnson Med. Sch., Piscataway, NJ; Rutgers Univ., New Brunswick, NJ.

12:45 pm **Aberrant neutrophil sequestration in the lungs of aged mice after burn injury is paralleled by a decrease in the neutrophil chemokine receptor, CXCR2.** V. Nomellini, C.R. Gomez, E.J. Kovacs. Loyola Univ. Med. Ctr., Maywood, IL.

1:00 pm **Age-associated alterations in human Toll-like receptor function.** A. C. Shaw. Yale Univ. Sch. of Med., New Haven, CT.

1:30 pm **Aging augments IL-17 T cell alloimmune responses.** D.R. Goldstein, B.M. Tesar, W. Du. Yale Univ. Sch. of Med., New Haven, CT.

1:45 pm **Aging and the marginal zone.** S. Birjandi, P. Witte. Loyola Univ Med Ctr., Maywood, IL.

2:30 - 3:30 pm **Presidential Student Awards** (*Continental A&B*)

Chair: Matthew Fenton, NIAID, NIH, Bethesda, MD

2:30 pm **Impaired efferocytosis in CGD due to altered M ϕ programming is reversed by PS dependent production of IL-4 and PPAR γ activation.** R. Boyanapalli, C. Frasch, P. Henson, D. Bratton. Natl. Jewish Med. and Res. Ctr., Denver, CO.

2:45 pm **Cathelicidin: different sites of action to kill *Staphylococcus aureus*.** N. Jann, S. Kristian, A. Peschel, R. Gallo, R. Landmann. Univ. Hosp. Basel, Basel, Switzerland; Univ. of California, San Diego, La Jolla, CA; Univ. of Tübingen, Tübingen, Germany.

3:00 pm **Stress-induced release of acetylcholine inhibits innate antimicrobial defense and is regulated by production of catestatin, a natural acetylcholine receptor antagonist.** K.A. Radek, S.K. Mahata, L. Taupenot, D.T. O'Connor, R.L. Gallo. VA San Diego and Univ. of California, San Diego, La Jolla, CA.

3:15 pm **Leishmania secrete exosomes capable of immune modulation.** J.M. Silverman, L.M. Sly, J. Han, C.H. Borchers, L.J. Foster, N.E. Reiner. Univ. of British Columbia, Vancouver, Canada; Univ. of Victoria, Victoria, Canada.

4:00 - 6:00 pm **Opening Remarks and Keynote Address** (*Continental A&B*)

Chair: William M. Nauseef, Univ. of Iowa and VA Med. Ctr., Iowa City, IA

4:00 pm **Opening remarks**

4:15 pm **Organ regulation of innate immunity.** E. Raz. Univ. of California, San Diego.

5:05 pm **Surprising alarmins.** J. J. Oppenheim. NIH, NCI-Frederick, Frederick, MD.

6:00 - 8:00 pm **Poster Session 1 and Presidential Reception** (*Continental C*)

8:00 - 10:00 pm **Student/Postdoc Mixer** (*Wynkoop Brewing Company - 1634 8th St.*)

Friday, November 7

8:00 am - 5:00 pm **Registration**

(Conference Office C)

8:00 - 8:55 am

Poster Workshop I: Leukocyte Homeostasis (Continental A&B)

Chair: Carol Miller-Graziano, Univ. of Rochester, Rochester, NY

8:00 am

SerpinB1 regulates the size of the neutrophil reservoir in the bone marrow. C. Benarafa, T.E. LeCuyer, E. Remold-O'Donnell. Harvard Med. Sch., Boston, MA.

8:14 am

A high level of isoform V in the CD40 receptor composition leads to survival/proliferation signals in autoimmune Th40 cells. G.M. Vaitaitis, D.H. Wagner, Jr. Univ. of Colorado Denver, Denver, CO.

8:28 am

The recent thymic origin, differentiation and turnover of regulatory T cells. N.H.E. Mabarrack, G. Mayrhofer. Sch. of Molec. and Biomed. Sci., Adelaide Univ., Adelaide, Australia.

8:42 am

Nuclear factor erythroid 2 regulates neutrophil-mediated acute lung injury in rats. M.J. Rane, R. Wu, A.B. Lentsch, S. Uriarte. Univ. of Louisville, Louisville, KY; Univ. of Cincinnati, Cincinnati, OH.

9:00 - 12:00 Noon

Plenary 1:

Leukocyte-Tissue Interactions (Continental A&B)

*Chairs: Jill Suttles, Univ. of Louisville Sch. of Med., Louisville, KY
David W.H. Riches, Natl. Jewish Med. and Res. Ctr., Denver, CO*

9:00 am

Functional plasticity of macrophages: In situ re-programming of tumor-associated macrophages. R. Stout. Univ. of Louisville Sch. of Med., Louisville, KY.

9:35 am

Neutrophil trafficking and function in the lungs during pneumonia. C.M. Doerschuk. Univ. of North Carolina at Chapel Hill.

10:40 am

S1P and lymphocyte egress from lymphoid organs. J. G. Cyster. Univ. of California, San Francisco.

11:15 am

Lymph node stroma and dendritic cells in T cell tolerance. S. J. Turley. Harvard Med. Sch., Boston, MA.

12:00 Noon - 2:00 pm

Workshop: Formula for Success: Connecting with your NIH Program Officer (Horace Tabor Room)

Presenters: Matthew Fenton and Richard Sawyer

1:00 - 3:00 pm

Symposium 1:

Leukocytes in Vascular Disease (Continental A)

*Chairs: Martha Cathcart, Cleveland Clin. Fndn., Cleveland, OH
Philip Murphy, NIAID, NIH Bethesda, MD*

1:00 pm

Apoptosis signaling in ER-stressed macrophages: implications for

atherosclerosis. I. Tabas. Columbia Univ., New York, NY.

1:30 pm

Toll-like receptors in atherosclerosis. L. Curtiss. The Scripps Res. Inst., La Jolla, CA.

2:00 pm

Inflammatory signaling processes and cardiovascular complication. L. Li, D. Wang, S. Fasciano, L. Gan, U. Maitra. Virginia Tech, Blacksburg, VA.

2:15 pm

Statins alter neutrophil migration by modulating cellular Rho activity. B.M. Maher, T.N. Dhonnchu, A. Soo, J.P. Burke, A.E. Wood, W. Watson. University Col. Dublin and Mater Misericordiae Hosp., Dublin, Ireland.

2:30 pm

Neutrophils mediate pulmonary endothelial activation (Ang-2 release) during shock/sepsis induced ALI. J. Lomas-Neira, C-S. Chung, F. Venet, A. Ayala. Rhode Island Hosp./Brown Univ., Providence, RI.

2:45 pm

Monocyte transmigration reduces antimicrobial gene expression and inhibits apoptosis. M.R. Williams, S.G. Eskin, L.V. McIntire. Georgia Inst. of Technol. and Emory Univ., Atlanta, GA.

1:00 - 3:00 pm

Symposium 2:

Host-Pathogen Interactions: Bacteria and Parasites

(Continental B)

*Chairs: Michele Swanson, Univ. of Michigan Med. Sch., Ann Arbor, MI
Lee-Ann Allen, Univ. of Iowa, Iowa City, IA*

1:00 pm

Modulation of cytosol-specific innate immune signaling by XIAP. M. O’Riordan. Univ. of Michigan, Ann Arbor, MI.

1:30 pm

Pyroptosis: inflammatory response during infection. B. Cookson. Univ. of Washington, Seattle, WA.

2:00 pm

The function of MAP kinase phosphatase-1 in Gram-negative sepsis. W.J. Frazier, X. Wang, X. Meng, L.D. Nelin, Y. Liu. Res. Inst. at Nationwide Children’s Hosp., The Ohio State Univ. Col. of Med., Columbus, OH.

2:15 pm

TGFbeta targeting siRNA intrapulmonary therapy increases the antimicrobial activity in mice chronically infected with *Mycobacterium tuberculosis*. M. Gonzalez-Juarrero, A.G. Rosas-Taraco, D.M. Higgins, J. Sanchez-Campillo, E.J. Lee, I.M. Orme. Colorado State Univ., Fort Collins, CO.

2:30 pm

***Francisella tularensis* inhibits protein kinase C α to prevent phagosome maturation.** L-A.H. Allen, G.S. Schulert. Univ. of Iowa and VA Med. Ctr., Iowa City, IA.

2:45 pm

Leishmania secrete exosomes capable of immune modulation. J.M. Silverman, L.M. Sly, J. Han, C.H. Borchers, L.J. Foster, N.E. Reiner. Univ. of British Columbia, Vancouver, Canada; Univ. of Victoria, Victoria, Canada.

3:00 - 3:20 pm

Coffee Break (*Continental C*)

3:20 - 5:20 pm

**Symposium 3:
Integration of Inflammatory and Metabolic Pathways**
(*Continental A*)

Chairs: Christopher Karp, Cincinnati Children's Hosp. Med. Ctr., Cincinnati, OH

Jill Suttles, Univ. of Louisville Sch. of Med., Louisville, KY

3:20 pm

A Th2 cytokine-PPAR delta paracrine pathway regulates macrophage polarization and tissue homeostasis. C-H. Lee. Harvard Univ. Sch. of Public Hlth., Boston, MA.

3:50 pm

Lipids, inflammation, and adipose tissue macrophages: Can a chemokine influence their interactions? A. Hasty. Vanderbilt Univ., Nashville, TN.

4:20 pm

Macrophage fuel metabolism alters inflammatory potential. L. Makowski, O. Ilkayeva, M. Muehlbauer, D.M. Muoio. Duke Univ. Med. Ctr., Durham, NC.

4:35 pm

Effect of dietary n-3 polyunsaturated fatty acids on the macrophage response to *M. tuberculosis* infection. D.L. Bonilla-Escobar, R.S. Chapkin, D.N. McMurray. Texas A&M Hlth. Sci. Ctr., College Station, TX.

4:50 pm

PPAR γ mediates induction of dectin-1 in murine macrophage by IL-13 and contributes to eliminate *Candida albicans* in cooperation with mannose receptor. A. Galès, A. Conduché, J. Bernad, M. Béraud, A. Coste, B. Pipy. Univ. of Toulouse III, Toulouse, France.

5:05 pm

AMP-activated protein kinase counter-regulates macrophage inflammatory activity. D. Sag, D. Carling, R.D. Stout, J. Suttles. Univ. of Louisville Sch. of Med., Louisville, KY; Imperial Col., Hammersmith Hosp., London, UK.

3:20 - 5:20 pm

**Symposium 4:
Host-Pathogen Interactions: Viruses** (*Continental B*)

Chairs: Luis Montaner, Wistar Inst., Philadelphia, PA

Angela Dolganiuc, Univ. of Massachusetts Med. Sch., Worcester, MA

3:20 pm

Regulation of antiviral CD8 T cell responses during chronic infection. E. J. Wherry. The Wistar Inst., Philadelphia, PA.

- 3:50 pm **Virus receptors on lung cells and leukocytes.** K. Holmes. Univ. of Colorado Hlth. Sci. Ctr., Denver, CO.
- 4:20 pm **Respiratory syncytial virus modulation of host responses in the neonatal ovine lung.** F.B. Sow, J.M. Gallup, A. Olivier, M.M.A. De Macedo, S. Krishnan, J. Suzich, M.R. Ackermann. Iowa State Univ., Ames, IA; MedImmune LLC, Gaithersburg, MD.
- 4:35 pm **Fetal persistent infection with bovine viral diarrhea virus causes downregulation of T cell receptor and CXCR4 pathways in blood of cows.** N.P. Smirnova, A.A. Ptitsyn, K.J. Austin, H. Bielefeldt-Ohmann, H. Van Campen, T.R. Hansen. Colorado State Univ., Fort Collins, CO; Univ. of Wyoming, Laramie, WY.
- 4:50 pm **Human plasmacytoid dendritic cell (pDC) but not conventional DC (cDC) preferentially acquire antigen from and produce IFN- α in response to live, HSV-infected Raji and MDDC.** P. Fitzgerald-Bocarsly, R. Wnek, S. Singh, E. Jacobs, T. George, G. Gupta. UMDNJ-New Jersey Med. Sch., Newark, NJ; Merck Labs., Rahway, NJ; Amnis Corp., Seattle WA.
- 5:05 pm **Deletion of the beta-defensin 1 gene impairs survival following a lethal influenza virus infection in mice.** L.K. Ryan, P.A. Fitzgerald-Bocarsly, G. Diamond. UMDNJ, Newark, NJ.
- 5:30 - 6:30 pm** **Bonazinga Award Lecture** (*Continental A&B*)
Chair: William M. Nauseef, Univ. of Iowa and VA Med. Ctr., Iowa City, IA
- 5:30 pm **Neutrophil and monocyte trafficking in health and disease.** K. Ley. Div. of Inflammation Biol., La Jolla Inst. for Allergy and Immunol., La Jolla, CA.
- 6:30 - 8:30 pm** **Poster Session 2 and Bonazinga Reception** (*Continental C*)

Saturday, November 8

- 8:00 am - 3:00 pm** **Registration**
(*Conference Office C*)
- 8:00 - 8:55 am** **Poster Workshop 2: Leukocyte Activation in Host Defense**
(*Continental A&B*)
Chair: Mary Dinauer, Indiana Univ. Sch. of Med., Indianapolis, IN
- 8:00 am **Toll-like receptors regulates phagocytosis through MyD88-independent activation of actin-Cdc42/Rac pathway.** L. Kong, B-X. Ge. Shanghai Insts. for Biol. Sci., Chinese Acad. of Sci. and Shanghai Jiao-Tong Univ. Sch. of Med., Shanghai, China.

- 8:14 am **Distinct localization of the NADPH oxidase flavocytochrome in resting and IFN γ -activated macrophages.** A-J. Casbon, L-A.H. Allen, K.W. Dunn, M.C. Dinauer. Indiana Univ. Sch. of Med., Indianapolis, IN; Univ. of Iowa and VA Med. Ctr., Iowa City, IA.
- 8:28 am **Smad4 signaling is involved in endotoxin tolerance.** H. Pan, M. Hu, A.S. Lagoo, M.B. Datto, H.J. Cohen, S.A. Lagoo. Duke Univ. Med. Ctr., Durham, NC.
- 8:42 am **Sepsis induced potentiation of peritoneal macrophage migration is mitigated by PD-1 gene deficiency.** G.F. Elphick, A. Carrier, X. Huang, A. Ayala. Rhode Island Hosp./Brown Univ., Providence, RI; Univ. of Puerto Rico.

9:00 - 12:00 Noon

Plenary 2:

Innate Immunity in the Lung (*Continental A&B*)

Chairs: *David W.H. Riches*, Natl. Jewish Med. and Res. Ctr., Denver, CO
Jill Suttles, Univ. of Louisville Sch. of Med., Louisville, KY

- 9:00 am **TLR2-dependent PMN trafficking into the airway.** A. Prince. Columbia University.
- 9:35 am **Matrix regulation of non-infectious lung inflammation and fibrosis.** P. W. Noble. Duke Univ., Durham, NC.
- 10:40 am **The role of circulating mesenchymal progenitor cells (fibrocytes) in the pathogenesis of pulmonary fibrosis.** R. Strieter. Univ. of Virginia Sch. of Med., Charlottesville, VA.
- 11:15 am **Resolution of pulmonary inflammation: implications for fibrotic consequences.** P. Henson. Natl. Jewish Med. and Res. Ctr., Denver, CO.

12:00 Noon - 1:00 pm

Meet the Speaker Luncheon (by invitation only) (*Augusta*)

1:00 - 3:00 pm

Symposium 5: Chemokines and Chemokine Receptors
(*Continental A*)

Chairs: *Alfred Ayala*, Brown Univ. Sch. Med., Providence, RI
Sanna Goyert, CUNY Med. Sch., New York, NY

- 1:00 pm **Misbehavior in mice lacking leukocyte chemoattractant receptors.** P. Murphy. Natl. Inst. of Hlth., Bethesda, MD.
- 1:30 pm **Chemokines and chemokine receptors at the interface of innate and adaptive immune responses in the respiratory system.** C. Hogaboam. Univ. of Michigan, Ann Arbor, MI.

2:00 pm **Involvement of CCR5 and CXCR3 in RANKL⁺ cell migration and bone resorption throughout experimental periodontitis in mouse.** C.E. Repeke, S.B. Ferreira, Jr., A.P.F. Trombone, I.S. Nunes, F.M. Raimundo, P.M. Colavite, J.S. Silva, A.P. Campanelli, G.P. Garlet., Bauru Sch. of Dentistry, Univ. of Sao Paulo, Brazil.

2:15 pm **Mechanisms of extra-pulmonary acute lung injury: the dendritic cell as a regulator of macrophage's recruitment and inflammatory response.** F. Venet, J. Lomas-Neira, X. Huang, Y. Chen, C-S. Chung, A. Ayala. Rhode Island Hosp./Brown Univ., Providence, RI.

2:30 pm **IL-33 orchestrates neutrophil migration in knee joint inflammation model in mice.** W.A. Verri, S.Y. Fukada, F.O. Souto, D. Xu, S.M. Vieira, J.C. Alves-Filho, T.M. Cunha, S.H. Ferreira, F.Y. Liew, F.Q. Cunha. Univ. of Sao Paulo, Ribeirão Preto, Brazil; Univ. Estadual de Londrina, Londrina, Brazil; Univ. of Glasgow, Glasgow, UK.

2:45 pm **Inversion of chemokine gradients and enhanced pmN recruitment protects CD14-deficient mice from lethal infection with clinical *E. coli* isolates.** S. Metkar, K.S. Kim, J. Silver, S. Goyert. Sophie Davis Sch. of Biomed. Sci., CUNY, New York, NY; Johns Hopkins Sch. of Med., Baltimore, MD.

1:00 - 3:00 pm

Symposium 6:

Cytokine Regulation of Inflammation (*Continental B*)

Chairs: Vito Pistoia, G. Gaslini Inst., Genoa, Italy

Andrea Tenner, Uni. of California, Irvine, Irvine, CA

1:00 pm **Act1, a “doubled-edged sword” in immunity.** X. Li. Cleveland Clinic Fndn., Cleveland, OH.

1:30 pm **Neutrophil-epithelial cell interactions: role in lung injury.** G. Downey. Natl. Jewish Med. and Res. Ctr., Denver, CO.

2:00 pm **C1q enhances microglial clearance of apoptotic neurons and modulates cytokine expression.** D.A. Fraser, K. Pisalyaput, E.C. Vogler, A.J. Tenner. Univ. of California, Irvine, Irvine, CA.

2:15 pm **Prevention of experimental autoimmune encephalomyelitis in mice using an anti-IL-12/23p40 nucleic acid aptamer.** P.S. Pendergrast, R. Silva, A. Ferguson, J. Killough, P. Hatala, J. Fraone, A. Makim, S. Cload, K. Thompson, K. Olson. Archemix Corp., Cambridge MA.

2:30 pm **Regulatory T cells can directly suppress macrophage Toll-like receptor responses.** F.M. O’Leary, G. Tajima, A. McKenna, M.P. McConmara, C. Stallwood, A. Delisle, J.A. Mannick, J.A. Lederer. Brigham and Women’s Hosp., Harvard Med. Sch., Boston, MA.

2:45 pm **Targeting of IL-12 to human non-small cell lung cancer counters**

tumor growth in vivo. V. Pistoia, I. Airoidi, E. Di Carlo, C. Cocco, E. Caci, M. Cilli, D. Ribatti, G. Sozzi, S. Ferrini, L.J.V. Galietta. G. Gaslini Inst., Genoa, Italy; “G. d’Annunzio” Univ. and Fndn., Chieti, Italy; Natl. Inst. for Res. on Cancer, Genoa, Italy; Fndn. IRCCS Natl. Tumor Inst., Milan, Italy; Univ. of Bari, Bari, Italy.

3:00 - 3:20 pm

Coffee Break (*Continental C*)

3:20 - 5:20 pm

Symposium 7:

Lipid Mediators of Leukocyte Function (*Continental A*)

Chairs: Christina Leslie, Natl. Jewish Hlth., Denver, CO

Julian Gomez-Cambronero, Wright State Univ. Sch. of Med., Dayton, OH

3:20 pm

Regulation of cytosolic phospholipase A₂ activation and eicosanoid production in macrophages by *Candida albicans*.

C. Leslie. Natl. Jewish Hlth., Denver, CO.

3:50 pm

Eicosanoid lipid mediators: critical determinants of leukocyte innate immune function. M. Peters-Golden. Univ. of Michigan, Ann Arbor, MI.

4:20 pm

Targeting phosphoinositide 3-kinase γ in treatment of cutaneous leishmaniasis caused by *L. mexicana*. H.E. Cummings, J. Barbi, B. Lu, C. Gerard, T. Ruckle, S. Seveau, C. Rommel, C. Whitacre, A. Sarkar, A. Satoskar. The Ohio State Univ., Columbus, OH; Children’s Hosp., Boston, MA; Merck Serono Intl., Geneva, Switzerland.

4:35 pm

Phospholipase D2 mutations on the canonical binding motifs for SH2-Grb2 (Y165, Y169, Y179) and their regulatory effect on leukocyte chemotaxis. J. Gomez Cambronero, K. Knappek, M. Di Fulvio, K. Frondorf, K. Henkel, H-J. Peng. Wright State Univ Sch. of Med., Dayton, OH.

4:50 pm

NADPH oxidase-dependent generation of lyso-phosphatidylserine enhances clearance of activated and dying neutrophils via macrophage G2A. S.C. Frasch, K. Zemski-Berry, R. Fernandez-Boyanapalli, H-S. Jin, C.C. Leslie, P.M. Henson, R.C. Murphy, D.L. Bratton. Natl. Jewish Hlth., Denver, CO; Univ. of Colorado Denver at Fitzsimons, Aurora, CO.

5:05 pm

Regulation of Th17 differentiation by epidermal fatty acid-binding protein. B. Li, J.M. Reynolds, R.D. Stout, J. Suttles. Univ. of Louisville Hlth. Sci. Ctr., Louisville, KY.

3:20 - 5:20 pm

Symposium 8: Translational Research in Inflammation (*Continental B*)

Chairs: Michael Smith, Wyeth Res., Collegeville, PA

Matthew Fenton, NIAID, NIH, Bethesda, MD

- 3:20 pm **Role of NKT cells in tissue protection by adenosine A_{2A} receptor activation.** J. Linden. Univ. of Virginia, Charlottesville, VA.
- 3:50 pm **mTOR blockade in autoimmunity.** D. Young. Wyeth Res., Cambridge, MA.
- 4:20 pm **Simultaneously upregulated inhibitory CD47, thrombospondin-1 and TGF- β latent activated protein and depressed co-stimulatory receptors contribute to trauma patients' inhibitory DC activity.** G. Bandyopadhyay, S. Bandyopadhyay, S. Kundimi, C. Miller-Graziano. Univ of Rochester, Rochester NY.
- 4:35 pm **Th40 cells in type 1 diabetes and multiple sclerosis.** D.H. Wagner, D.M. Waid, G.M. Vaitaitis, N.D. Pennock, P. Gottlieb, J.C. Corboy. Univ. of Colorado Denver, Denver, CO; Barbara Davis Childhood Diabetes Ctr., Denver, CO.
- 4:50 pm **Identification of an expanded CD4⁺ T cell subset, CD40⁺CD14⁺LKLF^{hi}, in the peripheral blood of cystic fibrosis patients.** N.D. Pennock, L. Sanders, D.H. Wagner, Jr., M. Saavedra. Univ. of Colorado Denver, Denver, CO; Natl. Jewish Hlth., Denver, CO.
- 5:05 pm **A novel cell-penetrating SNAP-23 fusion protein inhibits granule exocytosis impairing selective functional responses in human neutrophils.** S.M. Uriarte, G.C. Luerman, J. Le, R.A. Ward, K.R. McLeish. Univ. of Louisville and VA Med. Ctr., Louisville, KY.

7:00 - 10:00 pm

Awards Banquet (*Continental Ballroom*)

ALCOHOL, LEUKOCYTES, AND HOST DEFENSE

SLB Satellite Symposium

Sunday, November 9, 2008 8 am – noon – Horace Tabor Room
Westin Tabor Center Hotel, Denver, CO

- 8:00 - 8:25 am **Marc Moss** (University of Colorado Denver and Health Sciences Center)
Alcohol, pneumonia and lung injury: The epidemiological story
- 8:25 - 8:50 **Luisa A. DiPietro** (University of Illinois at Chicago)
Alcohol and wound repair: Brewing trouble at sites of injury
- 8:50 - 9:05 **Caroline E. Raasch** (Louisiana State University Health Sciences Center, New Orleans)
Alcohol intoxication attenuates the hematopoietic stem cell response to pneumococcal pneumonia
- 9:05 - 9:20 **John Karavitis** (Loyola University Medical Center)
Fc γ -receptor mediated phagocytosis is attenuated after acute in vivo or in vitro ethanol exposure due to attenuated Rho activation
- 9:20 - 9:45 **Gavin Arteel** (University of Louisville)
Plasminogen activator inhibitor-1 at the crossroad of innate immunity and coagulation
- 9:45 - 10:05 **BREAK**
- 10:05 - 10:20 **Juliane I. Beire** (University of Louisville)
Enhanced fibrin deposition plays a critical role in the sensitization to lipopolysaccharide-induced liver injury caused by ethanol in mice.
- 10:20 - 10:35 **Palash Mandal** (Cleveland Clinic)
Adiponectin normalizes LPS-mediated TNF α in Kupffer cells: Role of IL-10 and inducible heme oxygenase-1
- 10:35- 11:00 **Patricia E. Molina** (Louisiana State University Health Sciences Center, New Orleans)
Alcohol interaction with host defense in traumatic injury
- 11:00 – 11:15 **Suhail Akhtar** (University of Alabama at Birmingham)
Interleukin-18 delays neutrophil apoptosis following alcohol intoxication and burn injury
- 11:15- 11:40 **Sam Zakhari** (National Institute on Alcohol Abuse and Alcoholism)
Alcohol and immunology: Where do we go from here?
- 11:40 – 12:00 pm **M. Katherine Jung** (National Institute on Alcohol Abuse and Alcoholism) and **Elizabeth J. Kovacs** (Loyola University Medical Center)
Discussion and Conclusions

Registration is required (no registration fee): To register, please send name, address, phone number, and email address, to: Letta Kochalis, Phone: 708-327-2446, email: lkochal@lumc.edu

For information about the meeting, contact: Elizabeth J. Kovacs, Ph.D., Phone: 708-327-2477, email: ekovacs@lumc.edu, or M. Katherine Jung, Ph.D., Phone: 301-443-8744, email: jungma@mail.nih.gov

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