

PROGRAM BOOK

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46th Annual Meeting of the

Society for Leukocyte Biology

October 20-22, 2013 • Newport Marriott • Newport, Rhode Island

Organizers: Al Ayala and Carol Miller-Graziano

Regulators of Innate Cell Plasticity

www.leukocytebiology.org

Thank you to the supporters of the 2013 SLB Meeting!







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Funding for this conference was made possible in part by grant #1R13Al108034-01 from NIAID. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.



46th Annual Meeting of the Society for Leukocyte Biology

Dear Colleagues,

Welcome to picturesque Newport, here in the Ocean State-Rhode Island, for the 2013 annual meeting of the Society for Leukocyte Biology

This year's meeting brings together another series of top flight sessions around the theme of "Regulators of Innate Cell Plasticity". The sessions include a great line up of internationally renowned speakers along with Phillip Murphy (NIH), this year's Bonazinga awardee, who will highlight bench to bedside translational data in his talk 'Chemokines: Tales from the Clinic'. The 5 Plenary Sessions cover a range of topics from myeloid subset in pathology to endothelial cell-leukocyte interactions with a visit to microbial leukocyte interaction and inflammation in aging along the way. The concurrent sessions should offer something for everyone, with new data on myeloid subsets activation, innate lymphocyte function, new leukocyte regulatory effects, negative signaling mediation, and novel leukocyte activation in regulation all featured. These concurrent sessions also feature presentations selected from our members' abstracts and some of the 26 travel awardees. Student and new investigator award talks will encompass highly diverse aspects of leukocyte activation and regulation. Be sure to hear these interesting presentations. Also, back this year, are the young investigator/student oriented special sessions: 'Street Smarts of Science' and a 'Grant Writing Session' workshop from the Development & Outreach Committee, as well as a discussion of the 'Keys to Success – Creating a Mentor Network' sponsored by the Woman and Diversity Committee.

The scientific selections available at this year's meeting also benefit greatly from the participation of two additional satellite symposia organized by the Inflammatory Research Association on neutrophil extracellular traps and one organized by Drs. William Levis & O.M. Zack Howard on microRNAs & regulatory leukocytes

Our venue, the Newport Marriott Resort Hotel is located on Southeastern New England coast in the heart of this historic city by the sea were you can stroll through homes from America's colonial past and onto the extravagant mansions (summer homes) of the 19th-early 20th century 'Gilded age' industrial magnets, like the Vanderbilts, Berwinds, etc, while enjoying the beauty of fall days around the Narragansett Bay. Located on the harbor the hotel provides beautiful views of old Newport and the Pell Bridge, but provides ready access to eclectic shops along the piers, and of course the ocean where you can go out on a sailing tour.

Your participation will make the meeting even more successful. The presidential reception and the Monday night mixer should provide an opportunity to catch up with old friends and network with new.

Finally, a sincere "thank you" to all our sponsors including the NIH, PeproTech Inc., Cayman Chemical, BioLegend, Hycult Biotech, Biogen Idec, Associates of Cape Cod, and AbbVie whose generous support helps make this program possible.

Have a great meeting!

The 2013 Scientific Organizing Committee

Carol J. Miller-Graziono

Carol Miller-Graziano University of Rochester, School of Medicine

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Al Ayala Rhode Island Hospital/Alpert School ofMedicine Brown University



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Notes





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- Nick Lukacs, University of Michigan
- Daniel Remick, Boston University School of Medicine
- Mark Quinn, Montana State University

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• Luis Montaner, The Wistar Institute

Administrative Offices

Jennifer Holland, Executive Director

Managed Society Services, FASEB 9650 Rockville Pike Bethesda, MD 20814

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Invited Speakers and Chairs

The SLB Conference Organizers wish to thank all of our invited speakers and session chairs who have greatly enriched our extensive program with their valuable participation.

Al Ayala, Rhode Island Hospital

Julian G. Cambronero, Wright State University

Rachel Caspi, NIH/NEI

Marco Cassatella, University of Verona

Lisa Coussens, University of Oregon

Diane Heck, New York Medical College

Bonnie Dittel, Blood Center of Wisconsin

Claire Doerschuk, University of North Carolina, Chapel Hill

Joel Ernst, New York University

Rebecca Fuldner, National Institute on Aging

Zack Howard, CCR NCI-Frederick

Mariana Kaplan, National Institutes of Health

Minsoo Kim, University of Rochester Medical Center

Elizabeth Kovacs, Loyola University Chicago

Paul Kubes, University of Calgary

Jeffery D. Laskin, Rutgers University-Robert Wood Johnson Medical School

Huw Lewis, Glaxo Smith Kline

William Levis, NYU Langone Medical Center

Liwu Li, Virginia Tech

Andrew Lichtman, Brigham and Women's Hospital

Alberto Mantovani, University of Milan

Andrei Medvedev , University of Connecticut

Mark Miller, Washington University

Carol Miller Graziano, University of Rochester Medical Center

Ruth Montgomery, Yale University, School of Medicine

Philip Murphy, NIH - LMI/NIAID

Carlos Orihuela, University of Texas, San Antonio

Dana Philpott, University of Toronto

Francisco Quintana, Harvard University

Jonathan Reichner, Brown University, Rhode Island Hospital

Dan Remick, Boston University School of Medicine

Ann Richmond, Vanderbilt University Medical Center

Dadra S. Sam, University of Connecticut Health Center

Bala Shashi, University of Massachusetts Medical School

Leonard Shultz, The Jackson Laboratory

Christian Stehlik, Northwestern University Feinberg School of Medicine

Gyongyi Szabo, University of Massachusetts Medical School



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2013 SLB Awards

Marie T. Bonazinga Award

Philip M. Murphy, NIH - LMI/NIAID

G. Jeanette Thorbecke Award

Kari Ann Shirey, University of Maryland at Baltimore

Presidential Award Nominees

Finalists: Student Category

- Javier Cabrera-Perez, University of Minnesota Medical School
- Michael M. Chen, Loyola University Chicago
- John R. Janczy, University of Iowa, Carver College of Medicine

Finalists: Junior Faculty/Post-Doc Category

- Oriana E. Hawkins, Vanderbilt University School of Medicine
- Justine Tiglao Tigno-Aranjuez, Case Western Reserve University
- Banishree Saha, University of Massachusetts Medical School

Outgoing Council Awards

- Al Ayala, Councilor 2010-2013
- Elizabeth Kovacs, Past President, 2010-2013

FASEB MARC Awards

- Angel Shree' Byrd, Brown University/Rhode Island Hospital
- Stephania Libreros, Florida Atlantic University

2013 SLB Travel Award Winners

- Mark A. Bernard, Beth Israel Deaconess Medical Center
- Johnathan Canton, University of Toronto, Onatrio, Canada
- Catharine Cowan, Virginia Tech
- Nehemiah Cox, Texas A&M University
- Courtney Michele Johnson, Brown University, Rhode Island Hospital
- Suzi Klaus, University of California Irvine
- Irina Miralda, Brown Medical School, Rhode Island Hospital
- Wenji Piao, University of Maryland
- Jenny E. Suarez-Ramirez, Brown University
- Margarite L. Tarrio, Brown University
- Jinming Yang, Vanderbilt University School of Medicine

Don't forget to renew your membership for 2014!



Keep enjoying your member benefits by renewing now.

Not a member? Join Today! Visit: leukocytebiology.org to learn more.





Exhibitor & Sponsor Listing

Table # 1

PeproTech, Inc.

5 Crescent Avenue Rocky Hill, NJ 08553-0275

Phone: 800.436.9910 Email: marketing@peprotech.com www.peprotech.com

Onsite Representative: Chadd Foster

Table #2

BioLegend

9727 Pacific Heights Blvd. San Diego, CA 92121 USA

Phone: 858.455.9588 Email: sales@biolegend.com, alee@biolegend.com www.biolegend.com

Onsite Representatives: Amy Lee

Table #3 Hycult Biotech, Inc.

600 West Germantown Pike, Suite 110 Plymouth Meeting, PA 19462

Toll-Free: 855-2-HYCULT (855-249-2858) Phone: 484-534-3566 Fax: 484-368-3558 Email: orders-us@hycultbiotech.com www.hycultbiotech.com

Onsite Representative: Joel Jacobs

Table #4

Journal of Leukocyte Biology

9650 Rockville Pike Bethesda, MD 20814-3998 USA

Phone: 800.433.2732 ext. 7100 Email: jlb@journalstaff.com www.jleukbio.org

Onsite Representatives: Amy Huter-Imming, Cody Mooneyhan



Table #5

Associates of Cape Cod, Inc.

124 Bernard E. Saint Jean Drive East Falmouth, MA 02536

Phone: 888-395-2221 Email: vjones@acciusa.com www.acciusa.com

Onsite Representative: Vann Jones

Table #6

Cayman Chemical

1180 East Ellsworth Road Ann Arbor, MI 48108

Phone: 800.364.9897 or 734.971.3335 Fax: 734.971.3420 Email: Sales@CaymanChem.com www.CaymanChem.com

Onsite Representative: Jim Mobley

Biogen Idec

14 Cambridge Center Cambridge, MA 02142

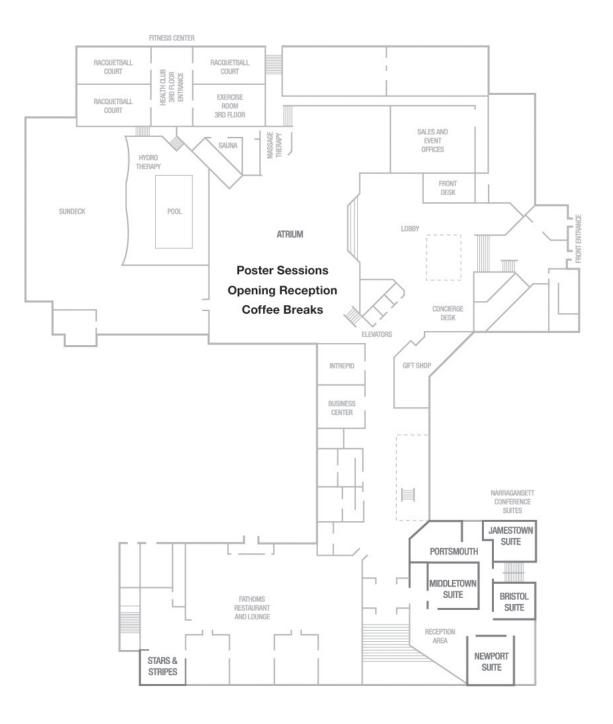
Phone: 617-679-3295 Fax: 617-679-2116 Email: Cherie.Butts@biogenidec.com www.biogenidec.com

Onsite Representative: Cherie L. Butts

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Hotel Floorplan

2nd Floor

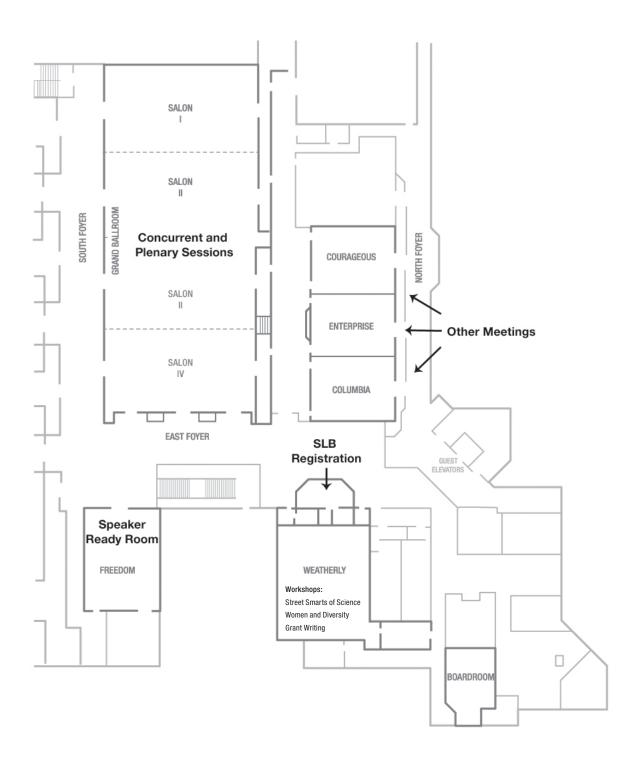




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Hotel Floorplan

3rd Floor





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Opening Reception

Sunday, October 20th - This event will mark the opening of the conference, held from 6:00 - 7:00 PM at the Newport Marriott in the Atrium. Hot and chilled d'oeuvres, sauté station, desserts and cash bar. Please come and join your fellow attendees to celebrate the official opening of the program.

Social Mixer

Monday, October 21st - This mixer is planned for 7:00 - 9:00 PM at the Newport Marriott (Salon 4). Come join us for a relaxing evening and get to know your fellow SLB members! Pasta and two drink tickets will be provided. All meeting attendees are welcome to come and enjoy.

2013 SLB Annual Meeting – Other Meetings

The following Council and Committee meetings are occurring during the SLB 2013 conference in Newport, Rhode Island. Meeting rooms noted are housed at the Newport Marriott which is the conference hotel. Please direct all questions regarding these meetings to Jen Holland (jholland@faseb.org).

Sunday, October 20

7:00 – 9:30 am SLB Council MeetingNewport

Monday, October 21

12:30 – 2:00 pm JLB Editorial Board Meeting	Columbia
5:30 – 6:30 pm Professional Development Committee	.Courageous
5:30 – 6:30 pm Development and Outreach Committee	Enterprise
5:30 – 6:30 pm Women and Diversity Committee	Columbia

Women and Diversity Committee Columbia

- 5:30 6:30 pm Publications Committee Boardroom
- 6:30 7:30 pm Conference CommitteeCourageous

6:30 – 7:30 pm Membership Committee Enterprise

6:30 – 7:30 pm Website Committee.....Columbia

Tuesday, October 22

6:00 – 9:00 pm SLB Council and Committee Chair Meeting ...Stars and Stripes



Registration Hours

The meeting registration desk is located on the meeting room level in the foyer by the Grand Ballroom of the Newport Marriott. Name badges and conference materials can be picked up at this location. If you purchased an abstract book, this will be available for pick-up at this time as well. The desk will be staffed during the following hours.

- Sunday, October 20th 8:00 am 6:00 pm
- Monday, October 21th 7:00 am 5:00 pm
- Tuesday, October 22th7:00 am 4:15 pm

Registration

Registration fees include the opening reception on Sunday night, social mixer on Monday night, refreshment breaks, continental breakfast at the Poster Sessions on Monday and Tuesday mornings, scientific sessions, and one program book. Registration fees exclude hotel costs. On-site registration will be accepted with payment via checks and credit cards.

Catering

Included in registration fees are the following catered events:

- Sunday Opening Reception (Hot and chilled d'oeuvres, sauté station, desserts and cash bar.)
- Monday and Tuesday Breakfast (a selection of fruit, bagels and pastry, coffee/tea)
- Monday Social Mixer (Pasta and two drink tickets will be provided. Location: Salon 4)
- AM and PM coffee breaks

Lunch On Your Own

The Newport Marriott is conveniently located near many lunch options within walking distance. There are over 70 restaurants within 1-10 minute walk from the hotel. The SLB registration desk has available a listing of nearby restaurants with walking time noted. The hotel concierge also has recommendations and local maps.

Abstracts

Printed Abstract books were made available online during pre-registration. Those purchased will be available for pick-up at the registration desk. A very limited number of copies will be available for onsite purchase (\$30) at the registration desk. Abstracts are also available for viewing in the eJLB version or as a PDF on the SLB website.

Internet Access

Internet access is complimentary in the guest rooms for those staying onsite at the Newport Marriott. Complimentary access is also provided in the foyers, meeting spaces and common areas of the hotel including the Atrium. Bring your own device. This access will work in the poster board area for mobile viewing of abstracts and posters simultaneously.

Cyber Café

Again this year at SLB, we have a Cyber Café for our attendees which will be located in the South and East Foyers. Use this space to view abstracts online, check your email, meet with small groups to discuss areas of interest, have a mini-job fair and meet with prospective employers (see message and job board near the registration desk), or just sit and meet other SLB members!

Accommodations

Accommodations are provided by the Newport Marriott. The exquisite Newport Marriott hotel is situated in the heart of historic Newport, Rhode Island. This Newport hotel offers first-class accommodations with a luxury spa, an indoor swimming pool, and fitness center. With a convenient harbor side location, legendary attractions such as the Cliff Walk, Newport Mansions, Castle Hill Lighthouse and the International Tennis Hall of Fame are easily accessible.



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Airport and Transportation

TF Green Airport (PVD) is 27 miles to the Newport Marriott. Taxi cab or shuttle service (Cozy Cab Shuttle) is available. Boston Logan International is also an option at 74 miles distance.

Parking

Onsite parking at the Marriott is available for \$25 daily. Parking for overnight SLB attendees at the hotel is \$7. per night. There is an additional public parking lot behind the Newport visitor's center Discover Newport which is adjacent to the hotel. Parking validations are available for sale from the Marriott for use in this parking lot. The cost is \$9 for full day parking. There are several other parking lots in the downtown Newport area as well. Information on these parking lots is available at the registration desk.

Speakers

Presenters are asked to load their talks at least 2 hours prior to their sessions by visiting the speaker ready room "Freedom". For loading, or if you would like to practice your presentation, please visit the speaker ready room in "Freedom" during the hours listed below. SLB will provide laptops, LCD projectors/ screens and microphones. If you require any assistance, please contact one of the AV Technicians. Equipment is compatible with both Mac and Microsoft products. Please arrive in the session room at least 15 minutes prior to your start time.

Speaker Ready Room Hours

- Sunday, October 20th 8:00 am 6:00 pm
- Monday, October 21th 7:00 am 5:00 pm
- Tuesday, October 22th7:00 am 4:15 pm

Poster Set up/Poster Sessions

There will be two (2) poster sessions during the meeting where posters will be formally presented by the authors. Poster boards will be set-up in the Atrium. Please post and remove your posters as described in your acceptance letters. For Poster Session I, poster boards will be available beginning 12:00noon on Sunday, October 20th and must be removed by Monday, October 21 at 2:00pm. For Poster Session II, poster boards will be available beginning at 4:00 PM on Monday, October 21 and must be removed by 5:00pm on Tuesday, October 22nd. Please note that posters will not be displayed throughout the entire meeting. There are two separate sessions and posters will be displayed during the assigned session only. Both poster sessions will be the first session of the day running from 7:00 am - 9:00 am and continental breakfast will be provided to all attendees. The organizers are not responsible for any materials posted. Pushpins are provided.

- Poster Session I Monday, October 21st, 7:00 – 9:00 am
- Poster Session II Tuesday, October 22nd, 7:00 – 9:00 am

Exhibition

Please take time to visit the exhibit displays in the Atrium during the breaks and poster sessions. See page 7, for detailed information regarding our sponsoring companies.

Exhibits Schedule:

- Sunday, October 20th 12:00 noon 6:00 pm
- Monday, October 21th 7:00 am 5:00 pm
- Tuesday, October 22th 7:00 am 4:15 pm



Accompanying Persons

Guests are welcome to enjoy the Newport area during conference hours. The hotel provides babysitting services. See the hotel concierge for information.

Membership

All members are encouraged and invited to attend the Member Business Meeting on Tuesday, October 22nd from 2:00 pm -2:30 pm in Salon 3-4. SLB Presidential awards will be announced at this time. The advice and guidance of the membership on current society issues are welcome in this "open forum" meeting. If you are not currently a member, applications are available at the Registration Desk.

Special Needs

Registrants with special needs are invited to contact the Registration Desk or hotel concierge for assistance.

Awards

Those who have been notified that they are Student Travel Award recipients may pick-up their checks at the registration desk (signature required). Thorbecke and Bonazinga Awards will be presented during the named program session. Presidential Nominees will present on Sunday afternoon, October 20th and winners will be announced and awarded at the Member Business Meeting on Tuesday, October 22nd from 2:00 pm -2:30 pm in Salon 3-4.

Liability

Neither the host venue nor the organizers can be held responsible for any personal injury, loss, damage to private property or additional expense incurred as a result of delays or changes in air, rail, sea, road or other services. All participants are encouraged to make their own arrangements for health and travel insurance.

PIZZA AND PUBS PROGRAM

Sign up to get \$200 per year to local groups to be used at regular meetings!



To qualify, your group needs to have at least 10 people, of which at least two must be PIs who are SLB members, and one student/postdoc who will join SLB as a new member.



To apply, simply send us an email (slb@faseb.org) with the names and email addresses of the members of your group, a brief description of the lab group/journal club/discussion group, and a paid application for a student membership (you may download this off the SLB website www.leukocytebiology.org).



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Notes





Sunday, October 20th

8:00 am – 6:00 pm Registration Desk Open

8:00 am – 6:00 pm

Speaker Ready Room Open

9:00 am – 12:30 pm

Pre-Meeting Satellites

Inflammation Research Association (IRA) Satellite: Neutrophil Extracellular Traps (NETs)

Co-chairs: Lawrence de Garavilla, IRA and Mariana J. Kaplan, National Institutes of Health Location: Salon 1-2

NETs in Responses to Microbes, Paul Kubes, *University of Calgary*

NET's and Autoimmunity, Mariana J. Kaplan, National Institutes of Health

Peptidylarginine Deiminase's (PADs) and NETs, Huw Lewis, Glaxo Smith Kline

MicroRNAs & Regulatory Leukocytes

Location: Salon 3-4

MicroRNAs in Contact Sensitivity, William Levis, NYU Langone Medical Center

Reduced Expression of mircoRNAs is Associated with the Immunosuppressive Capacity of Myeloid Derived Suppressor Cells, O.M. Zack Howard, CCR NCI-Frederick

Circulating miRNA as Biomarkers of Liver Disease, Shashi Bala, University of Massachusetts Medical School

1 In-depth Characterization of MicroRNA Transcriptome in Melanoma, Soheil Sam Dadras, University Connecticut Health Center

MicroRNAs in Tissue Inflammation, Gyongyi Szabo, University of Massachusetts Medical School

Serum MicroRNAs as Biomakers, Qing-Sheng Mi, Henry Ford Hospital

12:00 noon – 6:00 pm

Exhibits Open

1:00 pm – 1:15 pm

Welcome Location: Salon 1-4

1:15 pm – 2:45 pm

Plenary I: Unique Approaches to Dissecting Innate Cell Microbial Interactions

Chair: Andrei Medvedev, University of Connecticut Location: Salon 1-4

1:15 pm A Novel Regulator of Inflammasome Assembly, Christian Stehlik, Northwestern University

1:45 pm Humanized Mouse Models in Biomedical Research, Leonard Shultz, The Jackson Laboratory

2 2:15 pm New Concepts on Chemotaxis of Phosphatidic Acid Signaling in Neutrophils and Macrophages, Julian G. Cambronero, Wright State University

2:45 pm – 3:15 pm

Coffee Break

3:15 pm – 5:15 pm

SLB Presidential Nominees and Thorbecke Award Winner

Location: Salon 1-4

3:15 pm Award Introductions, Jill Suttles and Ann Richmond

SLB Junior Faculty/Postdocs Presidential Award Finalist

- 3 3:30 pm Pl3Kγ Loss in the Tumor Microenvironment Significantly Reduces Breast Cancer Metastasis, Oriana Hawkins, Vanderbilt University School of Medicine
- 4 3:45 pm Efficacy of RIP2 Inhibition in a Mouse Model of IBD, Justine Tiglao Tigno-Aranjuez, Case Western Reserve University
- 5 4:00 pm HCV Induces Differentiation of CD14+ Circulating Monocytes via TLR8 into Macrophage-like Cells That Exhibit M2 (Alternative) Polarization and Profibrogenic Effects, Banishree Saha, University of Massachusetts Medical School

SLB Student Presidential Award Finalist

- 6 4:15 pm Long-Term Impairment of CD4 T cell Responses After Sepsis, Javier Cabrera-Perez, University of Minnesota Medical School
- 7 4:30 pm Restoration of the Gut-Liver Axis After Burn Injury in Intoxicated Mice Attenuates Pulmonary Inflammation, Michael Chen, Loyola University Chicago



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8 4:45 pm Immune Complexes Suppress the Generation of Alum-induced Th17 Responses Through Inhibition of Inflammasome activation, John Janczy, University of Iowa

G. Jeanette Thorbecke Award

9 5:00 pm Role of Lipoxygenase Enzymes in RSV-Induced Differentiation of Alternatively Activated Macrophages (AAM), Kari Ann Shirey, University of Maryland At Baltimore

5:15 pm – 6:00 pm

Break on your own

6:00 pm – 7:00 pm

Opening Reception

Location: Atrium

7:00 pm – 8:00 pm

Bonazinga Award Keynote Lecture

Sponsored by Accurate Chemical

Location: Salon 1-4

Chemokines: Tales from the Clinic, Philip Murphy, NIH – LMI/NIAID

8:00 pm – 9:30 pm

Street Smarts of Science Session

Location: Weatherly Chairs: Elizabeth J. Kovacs and Sulie L.Chang

Drs. Kovacs and Chang will impart their knowledge of how to survive in academia in a session designed around the needs of graduate students. Those currently enrolled in graduate school, medical school, and combined degree programs, may need help navigating the waters. Newport is a great place to do just that!

Topics will include: Conference "Etiquette"; Finding Mentors; Networking with Peers and Others; NIH 101; How to Stalk Faculty; Self "Marketing" and;"The Elevator Talk"

Monday, October 21st

7:00 am – 5:00 pm

Registration Desk Open

7:00 am – 5:00 pm

Speaker Ready Room Open Location: Freedom 7:00 am – 9:00 am

Poster Session Breakfast Location: Atrium

7:00 am – 5:00 pm

Exhibits Open Location: Atrium

9:00 am – 10:30 am

Plenary II: Myeloid Subset as Contributors to Pathology

Chair: Marco Cassatella, University of Verona Location: Salon 1-4

> 9:00 am Macrophage Polarization in Pathology, Alberto Mantovani, University of Milan

9:30 am Dynamic Pre-Conditioning and Re-Programming of Macrophages in Acute and Chronic Diseases, Liwu Li, Virginia Tech

10 10:00 am Inflammation and Cancer: Reprogramming the Immune Microenvironment As an Anti-cancer Therapeutic Strategy, Lisa Coussens, University of Oregon

10:30 am – 11:00 am

Coffee Break

Location: Atrium

11:00 am – 12:30 pm

Concurrent Sessions

CS 1: Lymphocyte Roles in Innate Immunity

Co-chairs: Dana Philpott, University of Toronto; Stephanie C. Eisenbarth, Yale University Medical School Location: Salon 1-2

> 11:00 am Nod Proteins in Infection and Immunity, Dana Philpott, University of Toronto

- 11 11:30 am In Vivo Mechanisms Regulating Cell Function: Proliferation in Conditioning NK Cell IL-10 Production, Margarite Tarrio, Brown University (Student Travel Awardee)
- 12 11:45 am Flagellar Motility Affects the Inflammasome Response to Pseudomonas aeruginosa, Yash Patankar, Dartmouth Medical School
- 13 12:00 pm Adoptive Transfer of CD4+CD25+ Regulatory T Cells Effectively Resolves Experimental Indirect Pulmonary Lung Injury (iALI), Lunxian Tang, Brown University
- 14 12:15 pm Macrophage Reprogramming Through TLR2 Confers Viral Resistance Via TRAF3-Mediated Enhanced Interferon Production, Darren Perkins, University of Maryland



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CS 2: Under Appreciated Leukocyte Roles in Immunity

Co-chairs: Joel D. Ernst, New York University; Silvia Uriarte, University of Louisville Location: Salon 3-4

> 11:00 am Roles of distinct myeloid cell subsets in initiation of immunity to Mycobacterium tuberculosis, Joel D. Ernst, New York University

- 15 11:30 am Complement Protein C1q Modulates Macrophage-mediated T Cell Activation During the Phagocytosis of Dying Cells, Elizabeth Clarke, University of California Irvine
- 16 11:45 am Innate Immune Signaling Couples Endoplasmic Reticulum Stress Apoptosis Via STING and Mitochondrial IRF3 Interactions in Hepatocytes, Gyongyi Szabo, University of Massachusetts Medical School
- 17 12:00 pm Differences in Phagosome Maturation and Acidification in M1 vs. M2 Macrophages, Johnathan Canton, University of Toronto, Ontario, Canada (Student Travel Awardee)
- 18 12:15 pm A Novel Mechanism to Impair E2-E3 Interaction in a Family of WW Domain-containing HECT E3 Ubiquitin Ligases in Inflammation, Jessica Marie Perez, Case Western Reserve University

12:30 pm – 2:00 pm

Lunch on your own

12:30 pm – 2:00 pm

Women and Diversity Town Hall Meeting

Location: Weatherly

Keys to Success: Creating a Mentor Network, Ann Richmond, Vanderbilt University Medical Center

2:00 pm – 3:30 pm

Plenary III: Life at the Leukocyte: Epi-/Endo-thelial Interface

Chair: Ann Richmond, Vanderbilt University Medical Center Location: Salon 1-4

2:00 pm Imaging Innate Immune Cell Trafficking and Function In Vivo, Mark Miller, Washington University

2:30 pm Neutrophils and Endothelial Cells: Recruitment and Responses, Claire Doerschuk, University of North Carolina, Chapel Hill

3:00 pm **Netting bacteria in Blood and Tissues**, Paul Kubes, University of Calgary

3:30 pm – 4:00 pm

Coffee Break

Location: Atrium

4:00 pm – 5:30 pm

Concurrent Sessions

CS 3: Novel Leukocyte Regulators

Co-chairs: Bonnie Dittel; Laurie Kilpatrick, Temple University Location: Salon 1-2

4:00 pm IL-10-Independent Mechanisms of B Cell Regulation, Bonnie Dittel, Blood Center of Wisconsin

- 19 4:30 pm A SIRT1-RelB-SIRT3 Axis Reprograms Mitochondrial Bioenergetics to Switch Pro-inflammation to Immunosuppression During the Acute Inflammatory Response, Tie Fu Liu, Wake Forest University School of Medicine
- 20 4:45 pm Regulation of Human Dendritic Cell Differentiation and Maturation by VentX and Its Clinical Implications, Jerry (Zhenglun) Zhu, Brigham and Women's Hospital
- 21 5:00 pm Hepatocyte-derived Metabolic Danger Signals, Extracellular ATP and Uric Acid, Synergistically Induce Inflammatory Cell Activation and Represent Therapeutic Targets in Alcoholic Liver Disease, Gyongyi Szabo, University of Massachusetts Medical School
- 22 5:15 pm MicroRNA Mediated Epigenetic Regulation on T Cell Differentiation: What We Have Learned So Far from a Wrong Hypothesis, Qi-Jing Li, Duke University Medical Center

CS 4: Negative signaling regulators of Lymphocyte and Leukocyte Differentiation

Co-chairs: Francisco Quintana, Harvard University; Gautam Bandyopadhyay, Univ. of Rochester Medical Center Location: Salon 3-4

4:00 pm Aiolos Promotes the Differentiation of Th17 Cells By Silencing IL-2, Francisco Quintana, Harvard University

- 23 4:30 pm Inhibition of TLR4 Signaling by TRIF-derived Decoy Peptides, Wenji Piao, University of Maryland (Student Travel Awardee)
- 24 4:45 pm Chitinase-3-like-1 protein Expression Associated with Pulmonary Inflammation Accelerates Metastasis to the Lung, Stephania Libreros, Florida State University (MARC Awardee)
- 25 5:00 pm Distinct Receptors Mediate the Effect of Serum Amyloid P on Monocytes, Macrophages, and Neutrophils, Nehemiah Cox, Texas A & M University (Student Travel Awardee)
- 5:15 pm Post-injury Aberrant Activation of Monocyte Src Homology Domain Containing Phosphatase-1 (SHP-1) Contributes to Dysfunctional Dendritic Cell (DC) Differentiation Leading to Immunosuppression, Gautam Bandyopadhyay, University of Rochester Medical Center

7:00 pm – 9:00 pm

Social Mixer Newport Marriott, Salon 4



October 20-22, 2013 • Newport Marriott • Newport, Rhode Island

Tuesday, October 22nd

7:00 am – 4:15 pm

Registration Desk Open

7:00 am – 4:15 pm Speaker Ready Room Open

Location: Freedom

7:00 am – 9:00 am

Poster Session Breakfast Location: Atrium

7:00 am – 4:00pm

Exhibits Open Location: Atrium

9:00 am – 10:30 am

Concurrent Sessions

CS 5: Regulatory Mechanisms in Leukocyte Trafficking

Co-chairs: Minsoo Kim, University of Rochester Medical Center; Craig Lefort, Rhode Island Hospital Location: Salon 1-2

> 9:00 am Role of Local Innate Immunity in Tissue-specific Effector CD8 T Cell Homing, Minsoo Kim, University of Rochester Medical Center

- 27 9:30 am The Unique and Divided Roles of Splenic Dendritic Cell Subsets in NLRP10-Deficient Mice, Stephanie Eisenbarth, Yale University School of Medicine
- 28 9:45 am Sequential Priming of Neutrophils and Intravital Visualization of the Early Phase, Yi Yao, University of Toledo College of Medicine
- 29 10:00 am Human Neutrophil Chemotaxis is a Function of Matrix Composition and Stiffness, Xian O'Brien, Rhode Island Hospital
- **30** 10:15 am The Migration in 3-dimensional Environments is Modulated in Polarized and Infected Macrophages, Isabelle Maridonneau-Parini, CNRS, Toulouse, France

CS 6: Leukocyte Mediators in Inflammation/Infection

Co-chairs: Dan Remick, Boston University School of Medicine; Joanne Lomas-Neira, Rhode Island Hospital /Brown University Location: Salon 3-4

9:00 am Sepsis – Leukocytes and Mediators That Influence Survival, Dan Remick, Boston University School of Medicine

- 31 9:30 am Changing STAT4 Levels in CD8 T Cells: Contributions to Intrinsic Regulation of Innate Cytokine Responsiveness during Acute and Secondary Viral Infections, Jenny Suarez-Ramirez, Brown University (Student Travel Awardee)
- 32 9:45 am M1 and M2 Macrophages Exhibit Unique UPR Responses Regulating Inflammatory Mediators and Apoptosis, Paul Kennedy, Temple University School of Medicine
- 33 10:00 am Proteomic Analysis of Bronchoalveolar Lavage Fluid (BALf) of Acute Lung Injured (ALI) Animals Identifies Regulation of Thrombospondin-1(TSP-1) by Baclofen Treatment, Madhavi Rane, University of Louisville
- 34 10:15 am A Peptide Based on the Neutrophil-derived Protein CAP37 Kills Gram Negative Bacteria, Neutralizes Endotoxin, Promotes Host Cell Migration and in vivo Corneal Wound Healing, Anne Pereira, University of Oklahoma Health Science Center

10:30 am – 11:00 am

Coffee Break

Location: Atrium

11:00 am – 12:30 pm

Plenary IV: Novel Prospective on Co-Inhibitor Function and Modulation in Inflammation and Disease

Chair: Christine Biron, Brown University Location: Salon 1-4

11:00 am Protecting the Heart Against T Cells, Andrew Lichtman, Brigham and Women's Hospital

11:30am BTLA as Innate Immunity Inhibitor, Al Ayala, Rhode Island Hospital

12:00 pm Modulation of Inhibitory Receptor Signaling to Reduce Immunosuppression in Trauma Patients, Carol Miller-Graziano, University of Rochester Medical Center

12:30 pm – 2:00 pm

Lunch on your own





46th Annual Meeting of the Society for Leukocyte Biology

12:30 pm – 2:00 pm

Grant Writing Session

Chair: Julian G. Cambronero, Wright State University Location: Weatherly

This workshop is hosted by the Professional Development Committee, as part of the educational mission of the Society for Leukocyte Biology. This workshop is targeted to graduate students, postdoctoral fellows, and junior faculty, who are new to the grant writing process. A short presentation will be followed by small-group discussion tables to discuss grant writing strategies from multiple perspectives. Join featured speaker Rebecca Fuldner, NIA, and draw upon her knowledge during this interesting workshop.

2:00 pm – 2:30 pm

Member Business Meeting and Presidential Award Announcements Location: Salon 3-4

Location: Salon 3-4

2:30-4:00 pm

Concurrent Sessions

CS 7: Novel Adjuvants/ Activators of Leukocyte Function

Co-chairs: Jonathan S. Reichner, Brown University and Rhode Island Hospital; Ilhem Messaoudi, University of California, Riverside Location: Salon 1-2

- 35 2:30 pm CR3 (CD11b/CD18) Ligation Determines Neutrophil NET Release, Jonathan S. Reichner, Brown University and Rhode Island Hospital
- 36 3:00 pm Evaluation of NETosis in Patients with Primary Immunodeficiencies: Evidence for a ROS-independent Pathway, Angel Shree' Byrd, Brown University - Rhode Island Hospital (MARC Awardee)
- 37 3:15 pm Leukadherin-mediated Activation of Integrin CD11b/CD18 Suppresses Inflammatory Signaling in Leukocytes, Vineet Gupta, Rush University Medical Center
- 38 3:30 pm Role of GSK3 Beta and ERK in the Human Neutrophil Response to Fungal Beta-Glucan, Courtney Johnson, Brown University – Rhode Island Hospital (Student Travel Awardee)
- 39 3:45 pm Non-canonical Regulation of Human Macrophage Inflammatory Response by Novel HIV-1 MicroRNAs, Mark Bernard, Harvard University (Student Travel Awardee)

CS 8: Mechanisms of Immune Privilege and/or Tolerance

Co-chairs: Rachel Caspi, NIH/NEI; Vijaya L. Iragavarapu-Charyulu, Florida State University Location: Salon 3-4

- 40 2:30 pm Immune Privilege vs. Autoimmunity in the Eye A Role for Commensal Microbiota in Triggering Disease, Rachel Caspi, NIH/NEI
- 41 3:00 pm The ATP/P2X7 Axis Modulates Myeloidderived Suppressor Cell Functions in Neuroblastoma Microenvironment, Vito Pistoia, G. Gaslini Institute
- 42 3:15 pm The Melanocortin and Adenosinergic Pathways Mediate Treg Cell Activation to Suppress Autoimmune Disease, Darren Lee, Boston Univ Sch of Med
- 43 3:30 pm Licensing Phagocytes for Antibody-Mediated Destruction of Cancer Cells by Disrupting CD47-SIRPα Interactions, Timo Kars vanden Berg, Sanquin Blood Supply
- **44** 3:45 pm **SIRT1** inhibition: A Novel Treatment for Sepsis Induced Immunosuppression, Vidula Vachharajani, Wake Forest Univ Sch of Med

4:00-4:15 pm

Coffee Break

Location: South East Foyer

4:15-5:45 pm

Plenary V: Leukocyte Function/ Significance in the Aging Host

Chair: Rebecca Fuldner, National Institute on Aging Location: Salon 1-4

4:15 pm Activation and Inhibition of Innate Immune Responses in Aging, Ruth Montgomery, Yale University, School of Medicine

4:45 pm Aging and the Macrophage Response to Injury, Elizabeth Kovacs, Loyola University Chicago

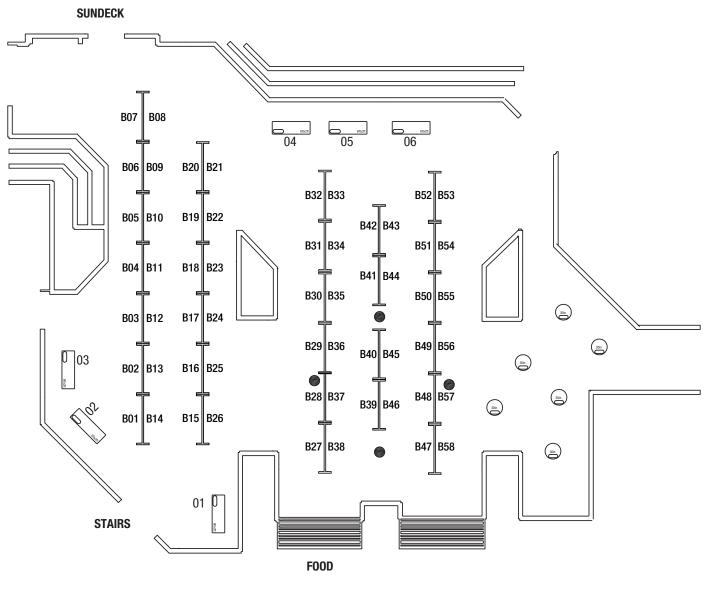
45 5:15 pm Age-dependent Macrophage Dysfunction is Associated with Elevated Levels of the Antiinflammatory Immune Regulator A20, Carlos Orihuela, University of Texas, San Antonio



Poster Session 1

Monday, October 21st, 7:00 am – 9:00 am

Set-up begins Sunday, October 20th at noon; Remove by Monday, October 21st at 2:00pm.



LOBBY

46th Annual Meeting of the Society for Leukocyte Biology



Poster Session 1

Monday, October 21st, 7:00 am – 9:00 am

Set-up of posters for this session begins Sunday, October 20th at 12:00 pm. Please remove posters by Monday, October 21st at 2:00 pm. All poster presentations will be held in the Newport Marriott Atrium and a continental breakfast will be provided for all attendees. Refer to the poster board floor plan and the board numbers provide to locate poster presentations.

Myloid Subset as Contributors to Pathology

B1 (abstract 97) Analysis of Macrophage Phenotype in Rejected Corneal Allografts in Mice and Humans J. Y. Oh, J. H. Ko, H. J. Lee and A. Y. Ko. Seoul Natl. Univ. Hosp.

B2 (abstract 99) The Role of NLRC4 in Tumorigenesis A. Janowski, S. L. Cassel and F.S. Sutterwala. Univ. of Iowa

Lymphocyte Roles in Innate Immunity

B3 (abstract 4) Presidential Jr. Fac/Postdoc Nominee Efficacy of RIP2 inhibition in a mouse model of IBD J. Tiglao Tigno-Aranjuez and D.W. Abbott. Case Western Reserve Univ.

B4 (abstract 11) Student Travel Award Winner In Vivo Mechanisms Regulating Cell Function: Proliferation in Conditioning NK Cell IL-10 Production M.L. Tarrio and C.A. Biron. Brown Univ.

B5 (abstract 13) Adoptive Transfer of CD4+CD25+ Regulatory T Cells Effectively Resolves Experimental Indirect Pulmonary Lung Injury L. Tang, C-S. Chung, J. Bai, Y. Chen, J. Lomas-Neira and A. Ayala. Rhode Island Hosp./Brown Univ. and Shanghai East Hosp.

B6 (abstract 46) Maternal Immune Stimulation during Pregnancy Promotes Development of a Proinflammatory Phenotype in Offspring N.M. Ponzio, M. Mandal, P. Zhang, S. Elkabes and R. Donnelly. New Jersey Med. Sch. and Rutgers Univ.

B7 (abstract 48) Inhibition of Phosphodiesterases Influence Cytokine- and A549-Induced Monocyte Differentiation K. Höhne, A. Mahmutovic, J. Müller-Quernheim and G. Zissel. Univ. Med. Ctr. Freiburg B8 (abstract 50) Student Travel Award Winner Interactions between Mycobacterium smegmatis and Human Neutrophils I. Miralda, C.D. Anderson, J.E. Graham and S.M. Uriarte. Univ. of Louisville

Under Appreciated Leukocyte Roles in Immunity

B9 (abstract 5) Presidential Jr. Fac/Postdoc Nominee HCV Induces Differentiation of CD14+ Circulating Monocytes via TLR8 into Macrophage-Like Cells That Exhibit M2 (Alternative) Polarization and Profibrogenic Effects B. Saha and G. Szabo. Univ. of Massachusetts Med. Sch.

B10 (abstract 16) Innate Immune Signaling Couples Endoplasmic Reticulum Stress Apoptosis via STING and Mitochondrial IRF3 Interactions in Hepatocytes G. Szabo, J. Petrasek, A. Iracheta-Vellve, T. Csak, K. Kodys, E. Kurt-Jones and K. Fitzgerald. Univ. of Massachusetts Med. Sch.

B11 (abstract 18) A Novel Mechanism to Impair E2-E3 Interaction in a Family of WW Domain-Containing HECT E3 Ubiquitin Ligases in Inflammation J. M. Perez and D.W. Abbott. Case Western Reserve Univ.

B12 (abstract 53) Transgenic Expression of GM-CSF in T Cells Causes Disseminated Histiocytosis I.P. Wicks, A.E. van Nieuwenhuijze, E. Coghill, D. Gray, S. Prato, D. Metcalf and W.S. Alexander. Walter and Eliza Hall Inst.

B13 (abstract 55) Neutrophil Granulocyte Extracellular Traps Provide a Scaffold for Auto-antigen Generation in Rheumatoid Arthritis S. Giaglis, C.S. Chowdhury, U.A. Walker, A. Buser, S. Hahn and P. Hasler. Univ. Hosp. Basel; Kantonsspital Aarau; Univ. of Basel, Felix Platter-Spital and Swiss Red Cross



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Life at the Leukocyte:Epi-/ Endothelial Interface

B14 (abstract 102) Neuraminidase Reprograms Lung Tissue and Potentiates LPS-Induced Acute Lung Injury in Mice A.S. Cross, C. Feng, L. Zhang, W. Blackwelder, S. Vogel and S. Goldblum. Univ. of Maryland Sch. of Med.

B15 (abstract 104) The Contribution of the Mucosal Immune System to T cell Plasticity in Type 1 Diabetes S.M. Wallet and M. Nelson. Univ. of Florida

Novel Leukocyte Regulators

B16 (abstract 20) Regulation of Human Dendritic Cell Differentiation and Maturation by VentX and Its Clinical Implications J. Zhu, X. Wu, J. Hong Gao and R. Bleday. Brigham and Women's Hosp. and Tufts Med. Ctr.

B17 (abstract 22) microRNA Mediated Epigenetic Regulation on T Cell Differentiation: What We Have Learned So Far from a Wrong Hypothesis Q-J. Li. Duke Univ. Med. Ctr.

B18 (abstract 57) Inhibition of Neutrophil Extracellular Trap Formation and Apoptosis by Cyclic AMP and the Adenylate Cyclase Toxin of Bordetellae J. Eby, M. Gray and E. Hewlett. Univ. of Virginia

Negative Signaling Regulators of Lymphocyte and Leukocyte Differentiation

B19 (abstract 23) Student Travel Award Winner Inhibition of TLR4 Signaling by TRIF-Derived Decoy Peptides W. Piao, L. Ru, S.N. Vogel and V. Toshchakov. Univ. of Maryland Sch. of Med.

B20 (abstract 25) Student Travel Award Winner Distinct Receptors Mediate the Effect of Serum Amyloid P on Monocytes, Macrophages, and Neutrophils N. Cox, D. Pilling and R.H. Gomer. Texas A&M Univ.

B21 (abstract 59) ATP Regulates Macrophage Cellular
Plasticity by the Inhibition of Monocyte-Derived
Alternatively Activated Macrophages Differentiation
G. Zissel, B.F. Scherr, K. Höhne, T. Müller, K.C. Ayata,
J. Müller-Quernheim and M. Idzko. Univ. Med. Ctr. Freiburg

B22 (abstract 61) Prostaglandin E2-Glycerol Inhibits Human Neutrophil Functions C. Turcotte, S. Zarini, S. Jean, C. Martin, V. Provost, A. Uzieblo, R.C. Murphy and N. Flamand. Univ. Laval; Univ. of Colorado Denver; Res. Ctr. IUCPQ and Cayman Chem.

Regulatory Mechanisms in Leukocyte Trafficking

B23 (abstract 27) The Unique and Divided Roles of Splenic Dendritic Cell Subsets in NLRP10-Deficient Mice S.C. Eisenbarth. Yale Univ. Sch. of Med.

B24 (abstract 29) Human Neutrophil Chemotaxis Is a Function of Matrix Composition and Stiffness X.M. O'Brien, A.J. Loosley, K.E. Oakley, J.X. Tang and J.S. Reichner. Brown Univ.

B25 (abstract 62) Dipeptidyl-Peptidase IV Is a Human and Murine Neutrophil Chemorepellent S. Herlihy,D. Pilling, A.S. Maharjan and R.H. Gomer. Texas A&M Univ.

B26 (abstract 64) Adaptor Protein 2 Orchestrates CXCR2-Mediated Cell Migration D. Raman, J. Sai, O.E. Hawkins and A. Richmond. Vanderbilt Univ. Sch. of Med.

B27 (abstract 66) Pulmonary Endothelial PKC-δ
Regulates Neutrophil Migration in Acute Lung
Inflammation M.J. Mondrinos, P.A. Kennedy, S. Sun,
M. Wolfson, L. Knight and L.E. Kilpatrick. Temple Univ.
Sch. of Med.

B28 (abstract 68) Role of the NOD-Like Receptor NLRP10 in the Induction of Red Blood Cell Alloimmunization S. Calabro, L. Xu, A. Gallman, D. Liu, K. Krishnaswamy, C. Tormey, E.A. Hod, J. Hendrickson, S.L. Spitalnik, J. Zimring and S.C. Eisenbarth. Yale Univ. Sch. of Med.; Columbia Univ.; Emory Univ. and Puget Sound Blood Ctr. Res. Inst.

B29 (abstract 70) Aberrant Expression of Neutrophil Maturation and Homing Markers in Psoriasis Vulgaris H. Naik, E. Stansky, A. Biancotto, P. Dagur, M. Playford and N. Mehta. NCI and NHLBI/NIH



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 Society for Leukocyte Biology



Poster Session 1

Leukocyte Mediators in Inflammation/Infection

B30 (abstract 7) Presidential Student Award Nominee Restoration of the Gut-Liver Axis after Burn Injury in Intoxicated Mice Attenuates Pulmonary Inflammation M.M. Chen, A. Zahs, M. Brown, L. Ramirez and E.J. Kovacs. Loyola Univ. Chicago

B31 (abstract 31) Student Travel Award Winner Changing STAT4 Levels in CD8 T Cells: Contributions to Intrinsic Regulation of Innate Cytokine Responsiveness during Acute and Secondary Viral Infections J.E. Suarez-Ramirez and C.A. Biron. Brown Univ.

B32 (abstract 33) Proteomic Analysis of Bronchoalveolar Lavage Fluid of Acute Lung Injured Animals Identifies Regulation of Thrombospondin-1 by Baclofen Treatment M.J. Rane, Shunying Jin, J.B. Klein and M.L. Merchant. Univ. of Louisville

B33 (abstract 71) The Leukocyte Transcriptome Can Explain Immune Suppression and Defects in the Neonatal and Elderly Immune Response to Sepsis P.A. Efron, L.F. Gentile, D.C. Nacionales, M.C. Lopez, A.G. Cuenca, S. Larson, C. Leeuwenburgh, F.A. Moore, H.V. Baker and L.L. Moldawer. Univ. of Florida Col. of Med.

B34 (abstract 73) Particle Size of Latex Beads Dictates IL-1β Production Mechanism by Macrophages T. Adachi, K. Takahara, J. Taneo and K. Inaba. Kyoto Univ.

B35 (abstract 75) The Monocyte to Macrophage Transition in the Sterile Wound M.J. Crane, J.M. Daley, O. van Houtte, W. Henry, Jr. and J.E. Albina. Rhode Island Hosp./Brown Univ.

B36 (abstract 77) Neutrophils Display Donor-Specific Priming Responses to TLR2/1 Agonists J.G. Moreland, L.C. Whitmore, J.S. Hook, A.R. Philiph and B.M. Hilkin. Univ.of Iowa

B37 (abstract 79) Staphylococcus epidermidis CNS Infected Catheter Induces a Skewed Inflammatory Response in a Murine Model of CNS Catheter Infection J. Snowden, Y. Gutierrez-Murgas, G. Skar and M. Beaver. Univ. of Nebraska Med. Ctr. B38 (abstract 81) Mechanisms of Enhanced Neutrophil Function in Shock/Sepsis-Induced Acute Lung Injury and/ or Sepsis: Targeting SNAP-23 J. Bai, L. Tang, J. Lomas-Neira, Y. Chen, K.R. McLeish, S.M. Uriarte, C-S. Chung and A. Ayala. Shanghai East Hosp.; Rhode Island Hosp./Brown Univ.; Robley Rex VA Med. Ctr. and Univ. of Louisville

B39 (abstract 83) The Development of Chronic Hypersensitivity Pneumonitis Is Not Dependent on a Th2 Response K. Andrews, M. Ghosh, G. Rapalo, C. Luellen, A. Schwingshackl, C. Waters and E.A. Fitzpatrick. Univ. of Tennessee Hlth. Sci. Ctr.

B40 (abstract 85) Modeling the Increase in Influenza Mortality Observed after Puberty: A Role for Reprogramming of Leukocyte Biology? F. Suber, S. Ghosh and L. Kobzik. Harvard Sch. of Publ. HIth.

B41 (abstract 87) CD40 Induction on Macrophages by Toxoplasma gondii Dense Granule Protein GRA15 P. Morgado, D. Sudarshana and M.B. Lodoen. Univ. of California, Irvine

B42 (abstract 89) Expression of the Enzymes Involved in Endocannabinoid Metabolism by Human Leukocytes C. Turcotte, C. Martin, V. Provost and N. Flamand. Univ. Laval and Res. Ctr. IUCPQ

B43 (abstract 91) Multiple and Distinct Pathways for Inducing the Neutrophil-Recruiting Chemokines MIP-2 and KC S. Shyam Metkar, K.S. Kim, J. Silver and S. Goyert. CUNY-Davis Sch. of Biomed. Educ.; Johns Hopkins Sch. of Med. and Sophie Davis Med. Sch., CUNY

Novel Prospective on Co-Inhibitor Function and Modulation in Inflammation and Disease

B44 (abstract 105) Polymicrobial Sepsis Induces Increased Expression of PD-L1 on Intestinal Epithelial Cells Y. Wu, C-S. Chung and A. Ayala. Rhode Island Hosp./Brown Univ.

B45 (abstract 107) The Survival Benefit Seen in Mice Lacking Programmed Cell Death Receptor-Ligand 1 following Shock/Sepsis Induced Indirect Acute Lung Injury Is Independent of Changes in Lung Tissue ICAM-1 and MPO Levels J. Lomas-Neira, X. Huang, Y. Chen and A. Ayala. Rhode Island Hosp./Brown Univ.



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Novel Adjuvants/Activators of Leukocyte Function

B46 (abstract 37) Leukadherin-Mediated Activation of Integrin CD11b/CD18 Suppresses Inflammatory Signaling in Leukocytes V. Gupta. Rush Univ. Med. Ctr.

B47 (abstract 39) Student Travel Award Winner
Non-canonical Regulation of Human Macrophage
Inflammatory Response by Novel HIV-1 microRNAs
M.A. Bernard, S.C. Yue, S. Inderbitzin, A. Anandaiah,
H. Koziel and S.D. Tachado. Beth Israel Deaconess Med.
Ctr. and Harvard Med. Sch.

Mechanisms of Immune Privilege and/or Tolerance

B48 (abstract 41) The ATP/P2X7 Axis Modulates
Myeloid-Derived Suppressor Cell Functions in
Neuroblastoma Microenvironment V. Pistoia, G. Bianchi,
D. Marimpietri, L. Emionite, M. Vuerich, I. Marigo, V.
Bronte, F. Di Virgilio and L. Raffaghello. Ist. Giannina
Gaslini; Azienda Osp.-Univ. S. Martino-IST; Univ. of
Ferrara; Hammersmith Hosp. and Univ. of Verona

B49 (abstract 43) Licensing Phagocytes for Antibody-Mediated Destruction of Cancer Cells by Disrupting CD47-SIRPα Interactions T. Kars vanden Berg, X. Zhao, H. Matlung, E.M. van Beek, K. Schornagel, M. van Houdt, T. Matozaki and T.W. Kuijpers. Sanquin Blood Supply; Sanquin Res. and Landsteiner Lab. and Kobe Univ. Grad. Sch. of Med.

B50 (abstract 94) Endotoxin Tolerance Inhibits Lyn and c-Src Phosphorylation and Their Recruitment to TLR4, Increases Protein Tyrosine Phosphatase Activity and Dysregulates Pellino-1 A. Medvedev, Y. Xiong, P. Rompikumtal and C. Song. Univ. of Connecticut Hlth. Ctr. and Univ. of Maryland Sch. of Med.

B51 (abstract 96) The Ocular Immunomodulating Neuropeptides α-MSH and NPY Modulate the Potential of Antigen Presentation by Phagocytes A.W. Taylor and K. Kahveci. Boston Univ. Sch. of Med.

Leukocyte Function/Significance in the Aging Host

B52 (abstract 109) Heterogeneous Inflammation in Middle- and Older-Aged HIV-Infected Individuals M.A. Wallet, T. Manini, C. Leeuwenburgh and M.M. Goodenow. Univ. of Florida

Late Breaking Abstracts

B53 (abstract 110) The Probiotic Mixture VSL#3 Induces a Regulatory M2b-Like Profile in Classical M1 and Alternative M2a Human Macrophages R.A. Isidro, F.J. Bonilla, H. Pagan, Myrella L. Cruz, P. Lopez, L. Godoy, V. Rivera-Amill, A.A. Isidro and C.B. Appleyard. Ponce Sch. of Med. and Hlth. Sci., PR

B54 (abstract 112) Nur77 Gets Nerves to Withstand Autoimmunity: A Protective Role for Nur77 in the Multiple Sclerosis Mouse Model I. Shaked, R. Hanna, G. Chodaczek, K. Ley and L. Hedrick. La Jolla Inst. for Allergy and Immunol.

B55 (abstract 114) Is PKG Involved in the Neutrophil NADPH Oxidase Activation? R. He, H. Nyenti, Z. Li and F. Hofmann. Chicago State Univ., Univ. of Kentucky and Munich Inst. for Pharmacol and Toxicol.

B56 (abstract 116) AMPK Is Required for IL-10 Activation of the PI3K/Akt/mTOR and STAT3/SOCS3 Signaling Pathways in Macrophages Y. Zhu, J. Brown and J. Suttles. Univ. of Louisville

B57 (abstract 118) Human Cytomegalovirus
Differentiates and Polarizes Infected Monocytes
towards a Unique M1 Macrophage that Requires STAT1
A. Yurochko, E. Stevenson, G. Chan, M. Nogalski,
D. Collins-McMillen, T. Frost and C. Spohn. LSU Hlth.
Sci. Ctr.-Shreveport and SUNY Upstate, Syracuse

B58 (abstract 120) The Pore-Forming Toxin Listeriolysin O Is Degraded by Human Neutrophils and Cannot Protect Listeria monocytogenes from Phagocytic Killing E. Arnett, S. Vadia, C. Nackerman, S. Oghumu, A. Satoskar, K.R. McLeish, S.M. Uriarte and S. Seveau. Ohio State Univ. and Univ. of Louisville



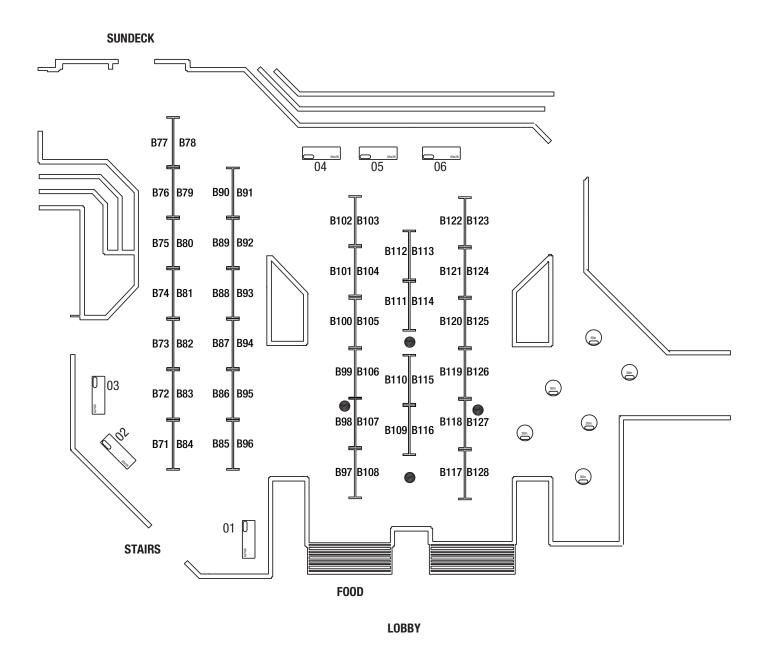
46th Annual Meeting of the Society for Leukocyte Biology



Poster Session 2

Tuesday, October 22, 7:00 am - 9:00 am

Set-up begins Monday, October 21st at 4:00pm; Remove by Tuesday, October 22nd at 5:00pm.





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Poster Session 2

Tuesday, October 22, 7:00 am - 9:00 am

Set-up of posters for this session begins Monday, October 21st at 4:00 pm. Please remove posters by Tuesday, October 22nd at 5:00 pm. All poster presentations will be held in the Newport Marriott Atrium and a continental breakfast will be provided for all attendees. Refer to the poster board floor plan and the board numbers provide to locate poster presentations.

Myloid Subset as Contributors to Pathology

B71 (abstract 98) Reduced Expression of mircoRNAs Is Associated with the Immunosuppressive Capacity of Myeloid-Derived Suppressor Cells Z. Howard, A.L. Trivett and J.J. Oppenheim. NCI/NIH

B72 (abstract 100) Student Travel Award Winner Analyzing Neutrophils in Mouse Models of Systemic Lupus Erythematosus C. Cowan, R. Dai, B. Heid and S.A. Ahmed. Virginia Tech, Virginia-Maryland Reg. Col. of Vet. Med.

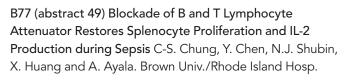
Lymphocyte Roles in Innate Immunity

B73 (abstract 9) Thorbecke Award Winner Role of Lipoxygenase Enzymes in RSV-Induced Differentiation of Alternatively Activated Macrophages K.A. Shirey, W. Lai, L.M. Pletneva, S. Divanovic, C.L. Karp, J.C.G. Blanco and S.N. Vogel. Univ. of Maryland Sch. of Med.; Univ. of Maryland, Baltimore; Sigmovir Biosystems Inc. and Cincinnati Children's Hosp. Res. Fndn.

B74 (abstract 12) Flagellar Motility Affects the
Inflammasome Response to Pseudomonas aeruginosa
Y.R. Patankar, R. Lovewell, M. Poynter, J. Jyot,
B. Kazmierczak and B. Berwin. Dartmouth Med. Sch.;
Univ. of Vermont; Univ. of Florida and Yale Univ. Sch. of Med.

B75 (abstract 14) Macrophage Reprogramming through TLR2 Confers Viral Resistance via TRAF3-Mediated Enhanced Interferon Production D.J. Perkins, S.K. Polumuri, W. Lai, P. Xie and S. Vogel. Univ. of Maryland Sch. of Med. and Rutgers Univ.

B76 (abstract 47) Student Travel Award Winner Myeloid Ikkβ Deletion Modulates Macrophage Function to Promote Melanoma Metastasis J. Yang and A. Richmond. Tennessee Valley Healthcare Syst. and Vanderbilt Univ. Sch. of Med.



B78 (abstract 51) Evaluation of Biological Activities and Mechanisms of Phaeodactylum tricornutum J.K. Lee and J.H. Kim. Chungbuk Natl. Univ.

Under Appreciated Leukocyte Roles in Immunity

B79 (abstract 15) Complement Protein C1q Modulates Macrophage-Mediated T Cell Activation during the Phagocytosis of Dying Cells E.V. Clarke, B.M. Weist, C.M. Walsh and A.J. Tenner. Univ. of California, Irvine and Univ. of California, Berkeley

B80 (abstract 17) Student Travel Award Winner Differences in Phagosome Maturation and Acidification in M1 versus M2 Macrophages J. Canton and S. Grinstein. Hosp. for Sick Children

B82 (abstract 54) Prognostic Significance of Tumor Infiltrating Neutrophils in Patients with Colorectal Cancer M.R. Galdiero, F. Grizzi, G. Di Caro, L. Laghi, C. Garlanda, A. Mantovani and S. Jaillon. Inst. Clin. Humanitas and Humanitas Clin. and Res. Ctr., Italy

Life at the Leukocyte: Epi-/ Endothelial Interface

B83 (abstract 101) Slings Enable Neutrophil Rolling during Inflammation P. Sundd. Univ. of Pittsburgh

B84 (abstract 103) Gastrointestinal Epithelial Cell Immune Dysregulation in Type 1 Diabetes C.L. Graves and S.M. Wallet. Univ. of Florida



46th Annual Meeting of the Society for Leukocyte Biology



Novel Leukocyte Regulators

B85 (abstract 19) A SIRT1-RelB-SIRT3 Axis Reprograms Mitochondrial Bioenergetics to Switch Pro-inflammation to Immunosuppression during the Acute Inflammatory Response T.F. Liu and C.E. McCall. Wake Forest Univ. Sch. of Med.

B86 (abstract 21) Hepatocyte-Derived Metabolic Danger Signals, Extracellular ATP and Uric Acid, Synergistically Induce Inflammatory Cell Activation and Represent Therapeutic Targets in Alcoholic Liver Disease G. Szabo, J. Petrasek, A. Iracheta-Vellve, S. Bala, K. Kodys and E. Kurt-Jones. Univ. of Massachusetts Med. Sch.

B87 (abstract 56) Immune Complexes Indirectly Downregulate Th17 Responses through Coordinated Suppression of IL-1a and Enhancement of IL-10 Produced by Dendritic Cells C. Ciraci, J.R. Janczy, S. Haasken, F.S. Sutterwala and S.L. Cassel. Univ. of Iowa

B88 (abstract 58) Erythropoietin Regulates Cytokine and Autophagy Gene Expression in Macrophages M. Al-Naeeli and C.T. Noguchi. Ohio Univ., Zanesville and NIDDK/NIH

Negative Signaling Regulators of Lymphocyte and Leukocyte Differentiation

B89 (abstract 24) Chitinase-3-Like-1 Protein Expression Associated with Pulmonary Inflammation Accelerates Metastasis to the Lung SS Libreros, R.G. Areas and V. Iragavarapu. Florida State Univ. and Florida Atlantic Univ.

B90 (abstract 26) Post-injury Aberrant Activation of Monocyte Src Homology Domain Containing Phosphatase-1 (SHP-1) Contributes to Dysfunctional Dendritic Cell Differentiation Leading to Immunosuppression G. Bandyopadhyay, P.E. Bankey and C.L. Miller-Graziano. Univ. of Rochester Med. Ctr.

B91 (abstract 60) IQ-1S, a Novel Indenoquinoxaline-Derived JNK Inhibitor, Suppresses Joint Inflammation and Cartilage Destruction in a Model of Rheumatoid Arthritis I.A. Schepetkin, L.N. Kirpotina, I. Kochetkova, D.W. Pascual, M.A. Jutila and M.T. Quinn. Montana State Univ. and Univ. of Florida

Regulatory Mechanisms in Leukocyte Trafficking

B92 (abstract 3) Presidential Jr. Fac/Postdoc Nominee PI3Kγ Loss in the Tumor Microenvironment Significantly Reduces Breast Cancer Metastasis O.E. Hawkins, J. Sai, T. Sobolik and A. Richmond. Vanderbilt Univ. Sch. of Med.

B93 (abstract 28) Sequential Priming of Neutrophils and Intravital Visualization of the Early Phase Y. Yao, H. Matsushima and A. Takashima. Univ. of Toledo Col. of Med. and Maruhachi Muramatsu Inc.

B94 (abstract 30) The Migration in 3-Dimensional Environments Is Modulated in Polarized and Infected Macrophages I. Maridonneau-Parini, V. Le Cabec, C. Verollet, C. Cougoule, R. Poincloux and A. Labrousse. CNRS

B95 (abstract 63) MFG-E8 Inhibits Neutrophil Migration through MAPK Activation M. Aziz, W-L. Yang, L.M. Corbo, S. Matsuo, M. Giangola, W.W. Chaung and P. Wang. Feinstein Inst. for Med. Res.

B96 (abstract 65) Student Travel Award Winner Recruitment and Characteristics of Intestinal Neutrophils in Salmonella typhimurium Infection S. Klaus, S. Jellbauer, J.Z. Liu, R.A. Edwards and M. Raffatellu. Univ. of California, Irvine

B97 (abstract 67) Role of NLRP10 in Lung Dendritic Cell Migration and Aeroallergen Sensitization J.K. Krishnaswamy, L. Xu, S. Calabro, D. Liu, T. Chu, A.M. Rhebergen and S.C. Eisenbarth. Yale Univ. Sch. of Med.

B98 (abstract 69) NLRP10 Differentially Regulates Cytotoxic T Lymphocyte Responses during Innocuous and Pathogenic Challenges D. Liu, B. Laidlaw, P. Pillai, L. Xu, J.K. Krishnaswamy, S. Calabro, A. Iwasaki and S.C. Eisenbarth. Yale Univ. Sch. of Med.

Leukocyte Mediators in Inflammation/Infection

B99 (abstract 6) Presidential Student Award Nominee Long-Term Impairment of CD4 T cell Responses after Sepsis J. Cabrera-Perez, S.A. Condotta, B.R. James, D. Rai, T.A. Kucaba, V. Badovinac and T.S. Griffith. Univ. of Minnesota and Univ. of Iowa



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Poster Session 2

B100 (abstract 8) Presidential Student Award Nominee Immune Complexes Suppress the Generation of Alum-Induced Th17 Responses through Inhibition of Inflammasome Activation J.R. Janczy, C. Ciraci, S. Haasken, A.K. Oliver, S.L. Cassel and F.S. Sutterwala. Univ. of Iowa

B101 (abstract 32) M1 and M2 Macrophages Exhibit
Unique UPR Responses Regulating Inflammatory
Mediators and Apoptosis P.A. Kennedy, D.J. King,
T. Zhang, M.O. Aksoy, S.G. Kelsen and L.E. Kilpatrick.
Temple Univ. Sch. of Med.

B102 (abstract 34) A Peptide Based on the Neutrophil-Derived Protein CAP37 Kills Gram Negative Bacteria, Neutralizes Endotoxin, Promotes Host Cell Migration and In Vivo Corneal Wound Healing H.A. Pereira, G.L. Griffith, S. Noor-Mohammadi, S. Logan, H. Hinsley, J. Brevetti, L. Mathias and A. Kasus-Jacobi. Univ. of Oklahoma Hlth. Sci. Ctr.

B103 (abstract 72) In Vivo Infection of Filifactor alocis and Its Effect on Neutrophil Infiltration and Clearance in a Mouse Chamber Model C. Armstrong, Q. Wang, J. Krauss, R. Jotwani, J. Le, A.C. Neff, R.J. Lamont and S.M. Uriarte. Univ. of Louisville Sch. of Dent., Sch. of Med. and Sch. of Arts and Scis.

B104 (abstract 74) Distinct Inflammatory Macrophage Subpopulations and Myeloid-Derived Suppressor Cells Accumulate in the Lung and Spleen following Exposure of Mice to Inhaled Ozone J.D. Laskin, M. Francis, H Choi, M Mandel and D.L. Laskin. Rutgers Univ.-Robert Wood Johnson Med. Sch.

B105 (abstract 76) Genome Wide Analysis of the T Cell Response during Acute and Latent Simian Varicella Virus Infection in Rhesus Macaques I. Messaoudi, K. Haberthur, N. Arnold, A. Kraft and B. Park. Univ. of California, Riverside and Oregon Hlth. & Sci. Univ.

B106 (abstract 78) Galectin-3 as a Novel Mediator of Vesicant-Induced Inflammation and Injury in the Hairless Mouse Skin Model D.E. Heck, L.B. Joseph, J.A. Cervelli, G.B. Composto, H.D. Kim, D.L. Laskin and J.D. Laskin. New York Med. Col.; Rutgers Univ. and Robert Wood Johnson Med. Sch. B107 (abstract 80) The Human Neutrophil Cathelicidin
LL-37 Has Protective Antiviral Activity against
Respiratory Syncytial Virus D.J. Davidson, S.M. Currie,
E. Gwyer Findlay, B. McHugh, A. Mackellar, P.M. Fitch and J. Schwarze. Univ. of Edinburgh

B108 (abstract 82) Novel Compound Enaminone E121 Suppresses Release of Pro-inflammatory Cytokines in LPS-Treated J774 Macrophages A. Cramer, S. Balmer, I. Edafiogho and D. Soldato. Univ. of Saint Joseph Sch. of Pharm.

B109 (abstract 84) Differential Expression of Inflammation-Related Genes According to Colchicine Responsiveness in Behçet's Disease M-y. Woo. Ajou Univ., South Korea

B110 (abstract 86) Significant and Selective Production of CCL26 by IL-13-Stimulated Bronchial Epithelial Cells:
A Putative Role in Asthma Severity M-C. Larose,
V. Provost, J. Chakir, C. Couture, N. Flamand and
M. Laviolette. CRIUCPQ

B111 (abstract 88) HIV Infection Induces Polyfunctional Activation of Macrophages J. Taylor, M.M. Goodenow and M.A. Wallet. Univ. of Florida

B112 (abstract 90) The Effect of Native IL-10 on Global
Gene Expression and Cytokine Release in Purified
Human Monocytes Stimulated with Patient Plasmas
Containing Extreme Levels of Meningococcal LPS
B. Brusletto, U. Gopinathan, O.K. Olstad, P. Kierulf,
P. Brandtzaeg, J.P. Berg and R. Øvstebø. Oslo Univ.
Hosp. Ullevaal and Fac. of Med., Univ. of Oslo

B113 (abstract 92) Breast Tumor-Derived Semaphorin7A
Exerts Pro-tumorgenics Effect in Macrophages of
Mammary Tumor-Bearing Mice R.A. Garcia-Areas,
S. Libreros, S. Amat, E. Wojcikiewicz and V. Iragavarapu.
Florida Atlantic Univ.



Novel Prospective on Co-inhibitor Function and Modulation in Inflammation and Disease

B114 (abstract 106) Contribution of Programmed Cell Death Receptor (PD)-1 to Kupffer Cell Dysfunction Induced by Polymicrobial Septic Challenge in Mice F. Wang, X. Huang, C-S. Chung, Y. Chen, N.A. Hutchins and A. Ayala. Rhode Island Hosp./Brown Univ.

Novel Adjuvants/Activators of Leukocyte Function

B115 (abstract 36) Student Travel Award Winner
Evaluation of NETosis in Patients with Primary
Immunodeficiencies: Evidence for a ROS-Independent
Pathway A.S. Byrd, Xian M. O'Brien, C.M. Johnson,
K.A. Zarember, E.P. Sampaio, S.M. Holland and J.S.
Reichner. Rhode Island Hosp./Brown Univ. and NIAID/NIH

B116 (abstract 38) Student Travel Award Winner Role of GSK3 Beta and ERK in the Human Neutrophil Response to Fungal Beta-Glucan C.M. Johnson, A.S. Byrd and J.S. Reichner. Rhode Island Hosp./Brown Univ.

B117 (abstract 93) Phosphatidate Phosphohydrolases Regulate Macrophage Function in Response to Francisella tularensis Infection M.D. Woolard, A. Navratil, A. Brummet and J. Bryan. LSU Hlth. Sci. Ctr.-Shreveport

Mechanisms of Immune Privilege and/or Tolerance

B118 (abstract 42) The Melanocortin and Adenosinergic Pathways Mediate Treg Cell Activation to Suppress Autoimmune Disease D.J. Lee and A.W. Taylor. Boston Univ. Sch. of Med.

B119 (abstract 44) SIRT1 Inhibition: A Novel Treatment for Sepsis Induced Immunosuppression V.T. Vachharajani, X. Wang, C. Brown, T.F. Liu, N. Buechler, B.K. Yoza and C.E. McCall. Wake Forest Univ. Sch. of Med. B120 (abstract 95) Induction of HSF1 Mediated hsp70 by Acute Alcohol Suppresses TLR4/MyD88 Independent Responses to Promote Immunotolerance S. Muralidharan and P. Mandrekar. Univ. of Massachusetts Sch. of Med.

Leukocyte Function/Significance in the Aging Host

B121 (abstract 108) Effect of Aging on Inflammatory Responses to Apoptotic Cells R. Takahashi, Y. Kobayashi and K. Nagata. Toho Univ. Fac. of Sci.

B122 (abstract 111) Changes of Dendritic Cell Populations at the Early Stage of Systemic Lupus Erythematosus Development in the MRL/Lpr Mouse Model X. Liao, J. Ren, B. Gordon, C. Cao, S. Ahmed and X. Luo. Virginia Tech

B123 (abstract 113) Using Lupus-Prone Mice to Produce Monoclonal Antibodies Specific for Net Components J. Mobley and P. Domanski. Cayman Chem. Co., Ann Arbor

B124 (abstract 115) A Novel Assay to Assess IFN-γ Enhanced Phagocyte Reactive Oxygen Species Production In Vitro in Patients with Chronic Granulomatous Disease D. Kuhns, K. Lau, D. Fink, S. Holland, H. Malech and J. Gallin. Frederick Natl. Lab for Cancer Res., SAIC-Frederick Inc. and NIAID/NIH

B125 (abstract 117) Phagosomal Signaling upon Recognition of Borrelia burgdorferi Is Dependent on MyD88 J. Cervantes, C. La Vake, P. Wang, Y. Chang, J. Luo, Y. Ruan and J. Salazar. Univ. of Connecticut Hlth. Ctr. and The Jackson Lab., Farmington, CT

B126 (abstract 119) Ethanol Modulation of Expression of TRP Channel Proteins and Interferon Gamma in Brain Microvascular Endothelial Cells S. Chang, Y. Wei and X. Mao. Seton Hall Univ.



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46th Annual Meeting of the Society for Leukocyte Biology



47th Annual Meeting of

The Society for Leukocyte Biology & The International Endotoxin and Innate Immunity Society

October 23-25, 2014 • Salt Lake City Sheraton • Salt Lake City, Utah

Development of Innate Immunity

Plenary Topics

Keynote Lecture – Bonazinga Award Winner Ira Tabas, Columbia University

Immune Phylogeny Chair: Lyle Moldawer, University of Florida

Immune Ontogeny Chair: Ruth Montgomery, Yale University School of Medicine

Microphysiologic Systems and Bioengineering Chair: Dan Huh, University of Pennsylvania

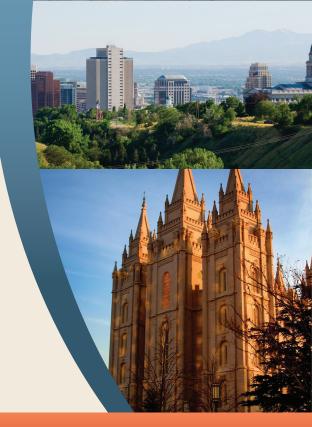
Targeting Immunity to Treat Disease Chair: David Fox, University of Michigan

Concurrent Topics

Granulocytes and Their Progenitors Regulation of Host-Microbe Interactions by Reprogramming/ Remodeling of MAMPs/PAMPs Special Journal Session: Best of JLB and Innate Immunity Structure and Function of Pattern Recognition Receptors or Their Targets Animal Models: Challenges and New Developments Immunological Assays Innate Immunity/Metabolism Cross-Talk Innate Immune-Based Immune Modulation: Novel Therapeutics Epigenetic Regulation of Innate Immunity Adjuvants and Vaccines Discovery and Invention Inflammasomes: Mechanisms of Sterile and Infectious Inflammation



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Program-At-A-Glance



8:00am – 6:00pm Registration Desk Open

9:00am – 12:30pm Pre-Meeting Satellites

Inflammation Research Association (IRA) Satellite Location: Salon 1-2

MicroRNAs & Regulatory Leukocytes Location: Salon 3-4

12:00noon – 6:00pm Exhibits Open Location: Atrium

1:00 – 1:15 pm Welcome Location: Salon 1-4

1:15 – 2:45 pm **Plenary I: Unique Approaches to Dissecting Innate Cell Microbial Interactions** Location: Salon 1-4

2:45 – 3:15 pm Coffee Break Location: Atrium

3:15–5:15 pm SLB Presidential Nominees and Thorbecke Award Winner Location: Salon 1-4

5:15 – 6:00 pm Break on your own

6:00 – 7:00 pm Opening Reception Location: Atrium

7:00 – 8:00 pm Bonazinga Award Keynote Lecture

Sponsored by Accurate Chemical Location: Salon 1-4

8:00pm - 9:30 pm **Street Smarts of Science Session** Location: Weatherly

Monday, October 21st

7:00am – 5:00pm Registration Desk Open

7:00 am-9:00 am Poster Session Breakfast Location: Atrium 7:00am – 5:00pm Exhibits Open Location: Atrium

9:00-10:30 am Plenary II: Myeloid Subset as Contributors to Pathology Location: Salon 1-4

10:30-11:00 am Coffee Break Location: Atrium

11:00 am- 12:30 pm Concurrent Sessions

CS 1: Lymphocyte Roles in Innate Immunity Location: Salon 1-2

CS 2: Under Appreciated Leukocyte Roles in Immunity Location: Salon 3-4

12:30 pm to 2:00 pm Lunch on your own

12:30 pm-2:00 pm Women and Diversity Town Hall Meeting Location: Weatherly

2:00 – 3:30 pm **Plenary III: Life at the Leukocyte:Epi-/Endo-thelial Interface** Location: Salon 1-4

3:30 to 4:00 pm Coffee Break Location: Atrium

4:00 to 5:30 pm Concurrent Sessions

CS 3: Novel Leukocyte Regulators Location: Salon 1-2

CS 4: Negative signaling regulators of Lymphocyte and Leukocyte Differentiation Location: Salon 3-4

7:00 -9:00 pm Social Mixer Newport Marriott, Salon 4

Tuesday, October 22nd

7:00am – 4:15pm Registration Desk Open

7:00 am-9:00 am **Poster Session Breakfast** Location: Atrium



7:00am – 4:15pm Exhibits Open Location: Atrium

9:00 am-10:30 am Concurrent Sessions

CS 5: Regulatory Mechanisms in Leukocyte Trafficking Location: Salon 1-2

CS 6: Leukocyte Mediators in Inflammation/Infection Location: Salon 3-4

10:30-11:00 am Coffee Break Location: Atrium

11:00 – 12:30 pm Plenary IV: Novel Prospective on Co-Inhibitor Function and Modulation in Inflammation and Disease Location: Salon 1-4

12:30 pm - 2:00 pm Lunch on your own

12:30 pm-2:00 pm Grant Writing Session Location: Weatherly

2:00- 2:30 pm Member Business Meeting and Presidential Award Announcements Location: Salon 3-4

2:30-4:00 pm Concurrent Sessions

CS 7: Novel Adjuvants/Activators of Leukocyte Function Location: Salon 1-2

CS 8: Mechanisms of Immune Privilege and/or Tolerance Location: Salon 3-4

4:00-4:15 pm Coffee Break Location: South East Foyer

4:15-5:45 pm **Plenary V: Leukocyte Function**/ **Significance in the Aging Host** Location: Salon 1-4