THANK YOU
TO OUR 2019 SPONSORS

Funding for this conference was made possible [in part] by 1R13AI147574-01 from the National Institute of Allergy and Infectious Diseases. 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.
From the Organizers

Dear Colleagues:

Welcome to the 52nd annual meeting of the Society for Leukocyte Biology!

We are deliberately hosting the meeting in Boston, MA as the area is a “center of the biotech industry” in the United States – home to nearly 1,000 biotechnology organizations. We hope you have a chance to take advantage of what Boston has to offer.

Our theme this year is “tissue-specific immunity: translating our discoveries,” which is intended to highlight differences and similarities while emphasizing the importance of microenvironment in driving specific immune responses. Each of the scientific sessions will showcase cutting-edge research by scientists from academia, government, and industry. Furthermore, we want participants to appreciate the value of studies to elucidate fundamental biological processes as well as those that generate results toward developing potential therapies that address unmet medical need for patients with immune-related conditions.

We understand the importance of professional development in advancing careers and will have committee-specific sessions and poster flash talks by early-career scientists previously featured in the annual meeting. In addition, we introduce a speed networking career roundtable session with established scientists across different sectors who will discuss their experiences at and away from the bench or clinic. We hope you will use the entire meeting as an opportunity to expand your network of colleagues conducting research in different settings.

At the conclusion, we will ask for feedback on the meeting to ensure the highest quality experience with future events.

We look forward to engaging with you throughout the meeting.

Sincerely,

Chериé Butts, Ph.D.
Biogen, Inc

Silvia M. Uriarte, Ph.D.
University of Louisville
Photography, Video Recording and Social Media

Photography and/or video recording of presentations, posters, slides and all data is prohibited unless otherwise explicitly stated by the presenter. Use of social media should not include any images or specifics of data presented unless otherwise explicitly stated by the presenter. Please note abstracts with the “no tweeting” symbols. SLB may take photographs of award presentations and social events to document the conference but will not include any presentation slides. Help us ensure your work is respected for the immense value it brings to our profession.

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Official Event App

- Explore the professional profiles of event speakers and attendees
- Send in-app messages and exchange contact info
- Network and find attendees with common affiliations, educations, shared networks, and social profiles
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The event invitation code is: slb2019

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Veronique Witko-Sarsat
INSELM

Associate Councilor
Juhi Bagaitkar
University of Louisville

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Jennifer Holland, Executive Director
9650 Rockville Pike Bethesda, MD 20814
(301) 204-2233
jholland@leukocytebiology.org
www.leukocytebiology.org
2019 SLB Awards

Legacy Lecturer
Ann Richmond, Vanderbilt University

Mid-Career Awards

Dolph O. Adams Award
Michael Schnoor
CINVESTAV del IPN

G. Jeanette Thorbecke Award
Ludivine Doridot
Paris Descartes University

Women & Diversity Paper of the Year
Gretchen Diehl
Baylor College of Medicine

Presidential Award Nominees

Student Category:
Alan Hsu, Purdue University
Albert Sek, NIAID, NIH
Suhas Sureshchandra, Uni. of California, Irvine

Junior Faculty/Post-Doc Category:
Wendy Fonseca, University of Michigan
Charlotte Jouvene, Harvard Medical School
Julie Ng, Brigham and Women’s Hospital

Lifetime Honorary Members
Linda McPhail, Wake Forest Univ. Schol. of Med.
Charles Serhan, BWH, Harvard Medical Schol.

Developing Nations Travel Awards
Chaouki Benabdessalem, Institut Pasteur de Tunis
Gusal Khan, Fiji School of Med., Fiji National Uni.

Mentoring Diversity Travel Awards
Kimberly Cooney, Emory University
Andrea McAlester, Baylor College of Medicine

Early Career Faculty Travel Award
Prajwal Gurung, University of Iowa

Outgoing Council Awards
Robert Clark, UT Health Science Center, Outgoing Past President
Elizabeth Fitzpatrick, University of Tennessee, Outgoing Secretary
David Underhill, Cedars-Sinai, Outgoing Councilor
Veronique Witko-Sarsat, INSERM, Outgoing Councilor

2019 Travel Award Winners

Lillian Anderson
Natalie Anselmi
Blake Bertrand
Devin Boe
Timothy Borgogna
Laura Cahill
Yanhu Cai
Catherine Chambers
Yeonhee Cho
Madison Collins
Meredith Crane
Alexis Dadelahi
Kiran Dyamannahalli
Srikanth Elesela
Zhichao Fan
Adam Fitzsimmons
Ramya Ganesan
Chyna Gray
Min Gu
Holly Hulsebus
Megan Jones
George Karagiannis
Samantha Krysa
Erin Livingston
Marisa Luck
Thorsten Maretzky
Sarah Metcalfe
Kathryn Michels
Irina Miralda
Kara Misel
Hemant Mishra
Mahdis Monajemi
Kisha Pradhan
Allan Prichard
Viva Rasé
Marcelle Ribeiro
Max Rogers
Michal Santocki
Stephanie Silva-Del Toro
Joseph Skurski
Natsumon Udomkittivorakul
Aruna Vashishta
Michelle Wakeley
Hadley Witt
Yao Zhang
2019 SLB Exhibitors

**Table #1**  
Journal of Leukocyte Biology / Wiley & Sons  
9650 Rockville Pike  
Bethesda, MD 20814-3998 USA  
T: 301.204.2233  
https://jlb.onlinelibrary.wiley.com/  
Barbara Vann (Managing Editor)  
jlbstaff@leukocytebiology.org  
Jinnie Kim, Mia Ricci (Wiley)

**Table #2**  
Members in Transition and Training (MTTG)  
Society for Leukocyte Biology  
Shuvasree Sengupta  
Stephania Libreros  
www.leukocytebiology.org/members-in-transition-and-training

**Table #3**  
Luminex Corporation  
12212 Technology Blvd., Suite 130  
Austin, TX 78727 USA  
T: 877.785.2323  
www.luminexcorp.com  
Alicia Allaire  
aallaire@luminexcorp.com  
Garry Cuneo  
gcuneo@luminexcorp.com  
Daniel Mori  
dmori@luminexcorp.com

**Table #4**  
BioLegend  
8999 BioLegend Way  
San Diego, CA 92121 USA  
T: 858.455.9588  
sales@biolegend.com  
www.biolegend.com  
Chris Gould  
CGould@biolegend.com

**Table #5**  
Bon Opus Biosciences, LLC.  
150 Essex Street Suite 301  
Millburn, NJ 07041 USA  
Tel: 800.943.6396 | Fax: 888.253.6691  
www.bonopusbio.com  
Yufang Shao  
yufang.shao@bonopusbio.com  
Roshelle Belfer  
marketing@bonopusbio.com

**Table #6**  
Cayman Chemical  
1180 East Ellsworth Road  
Ann Arbor, MI 48108  
T: 800.364.9897 or 734.971.3335  
Sales@CaymanChem.com  
www.CaymanChem.com  
Olivia May  
omay@caymanchem.com

**Table #7**  
MicroMedicine, Inc,  
1440 Main Street, Suite 300  
Waltham, MA 02451 USA  
T: 617.744.1918  
info@micromedicine.com  
www.micromedicine.com  
Anya Manning  
anya@micromedicine.com

**Table #8**  
Ray Biotech, Inc,  
3607 Parkway Lane, Ste. 200  
Peachtree Corners GA, 30092 USA  
T: 888.494.8555  
info@raybiotech.com  
www.raybiotech.com  
Valerie Jones  
info@raybiotech.com
General Information

Registration
Registration fees include main conference scientific sessions, one program booklet and the included meals listed below. Registration fees exclude hotel and travel costs. Onsite registration will be accepted with payment via credit card.

Included Meals
11/16 - PM coffee break, opening reception lite dinner
11/17 - breakfast, AM coffee break, PM coffee break, poster session reception lite dinner
11/18 - breakfast, AM coffee break, poster session lunch

Abstracts
Full abstracts, abstract title list, and the author index are available on the website and in the event app.

URLs:
App web version
https://whova.com/webapp/e/slbme_201910/
Abstract PDF
https://www.leukocytebiology.org/abstracts

Meeting Space Internet Access
Internet access for checking email and using the event app is provided in the meeting space. Bring your own device.
Network = Westin_Meeting_Room
Passcode = slb2019

Child Care
Licensed Childcare/Babysitting Services are available for use by attendees who are encouraged to make their own arrangements as needed. The society, nor the hotel, endorse these particular providers and links are provided for reference only. Use and outcomes are at the sole discretion and liability of the individuals.
https://www.bostonsbestbabysitters.com/home.html

Quiet Room
A quiet room is available for nursing mothers and/or those requiring a meditation or prayer space. Stop by the registration desk for availability.

Special Needs
Registrants with special needs are invited to contact the Registration Desk or hotel concierge for assistance. SLB does not discriminate on any basis and staff is available to ensure a positive conference experience for all attendees.

Membership
All SLB members are encouraged and invited to attend the society business meeting. See the program for details. Membership inquiries are welcome at the registration desk.

Speaker Ready Room
Speakers are to load their talks at least 2 hours prior to their session in the speaker ready room “Independence A”. If you require assistance, please contact the AV Technicians well in advance of your presentation. Arrive in your session room at least 15 minutes prior to the start time.

Independence A
Speaker Ready Room Hours
Saturday, November 16th – 8 am – 6 pm
Sunday, November 17th – 8 am – 4:15 pm
Monday, November 18th – 8 am – 2:30 pm

Accompanying Persons
Guests of attendees are encouraged to enjoy the local area during conference hours and events. There are many activities and attractions to explore! See the hotel concierge for ideas.
**Poster Set-up/Poster Sessions**
All posters are displayed throughout the entire conference and formally presented in two sessions.

<table>
<thead>
<tr>
<th>Poster Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Set-up:</strong> Saturday, November 16(^{\text{th}}) 12 pm</td>
</tr>
<tr>
<td><strong>Removal:</strong> Monday, November 18(^{\text{th}}) 3 pm</td>
</tr>
</tbody>
</table>

**Poster Session I:**
**ODD Numbered Abstracts Presented**
*Lite Dinner Reception*
Sunday, November 17\(^{\text{th}}\), 5:45 – 7:45 pm

**Poster Session II:**
**EVEN Numbered Abstracts Presented**
*Lunch Reception*
Monday, November 18\(^{\text{th}}\), 12:15 – 2:15 pm

**Awards**
SLB Travel awardees are required to attend the SLB business meeting for recognition and a brief photography session. All other awards will be presented during the named program session or during the society business meeting. Please refer to your notification letter for stipend and reimbursement details where applicable.

**Code of Conduct**
SLB is committed to providing a safe, productive and welcoming environment. All participants are expected to behave appropriately; respecting fellow attendees, presenters, sponsor representatives, volunteers, and staff. Discrimination, harassment, or bullying, in any form will not be tolerated. If you have questions about the expectations or concerns about conference behavior, please visit the registration desk. Thank you for joining in these efforts to ensure a positive conference experience for everyone. Full documentation of SLB Ethical Policies can be found online (https://slb.memberclicks.net/slb-ethical-policies).

**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 participating in the conference or for related 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. The organizers are not responsible for materials posted or content presented.

**Administrative Meetings:** The following administrative meetings are held in conjunction with the annual conference and are by invitation only.

**Friday, November 15\(^{\text{th}}\)**
SLB Council – 5:30-9:30pm, Newbury/Gloucester

**Saturday, November 16\(^{\text{th}}\)**
MTTG – 8:30-9:30pm, Independence B

**Sunday, November 17\(^{\text{th}}\)**
Prof. Development Comm. – 8-9:00am, Mastiff
Communications Committee – 8-9:00am, North Star
Publications Comm. – 7-7:30am, Great Republic
*JLB* Editorial Board – 7:30-9am, Great Republic

**Monday, November 18\(^{\text{th}}\)**
Women & Diversity Committee – 8-9:00am, Mastiff
Membership Committee – 8-9:00am, Great Republic
MTTG – 8-9:00am, Helicon
SLB Council – 4-8pm, Off-site
Pre-Program

Friday, November 15th

Special Interest Group Satellites

8:00 am – 4:00 pm  
Registration, American Ballroom Foyer

9:00 am – 5:00 pm  
Alcohol & Tissue-Specific Immunity (AIRIG)  
Location: Independence B

Chairs: Elizabeth J. Kovacs, University of Colorado, Denver & Mashkoor A. Choudhry, Loyola Uni., Chicago

- Biomarkers and Novel Pathways Involved in the Development of Alcoholic Liver Disease, Vasilis Vasiliou, Yale University
- Ceramides as Regulators of Insulin Resistance and Lipophagy in Alcoholic Liver Disease, Rotonya Carr, University of Pennsylvania
- Exploring the Role of Regulatory T cells in a Model of Ethanol-Accelerated Liver Fibrosis, Rebecca McCullough, University of Colorado Denver, #5
- Alcohol Exposure Differentially Alters Intestinal Barrier Integrity, Liver Inflammation and Fecal Microbiome Composition in Young and Aged Mice, Rachel McMahan, University of Colorado Anschutz Medical Campus, #18
- Transcriptional and Epigenetic mechanisms Underlying Heightened Pro-Inflammatory Responses of Monocytes with Chronic Heavy Alcohol Consumption, Sloan Lewis, University of California, Irvine, #110
- MicroRNA Expression Profile of Intestinal Epithelial Cells Following Alcohol and Burn Injury, Caroline Herrnreiter, Loyola University Chicago, #35
- Blood and Urine Biomarkers for Identifying Alcohol Misuse in Trauma Patients, Majid Afshar, Loyola University Chicago
- Neuroimmune Mechanisms of Alcoholic Neurodegeneration and Negative Affect, Leon G. Coleman, Jr., University of North Carolina, Chapel Hill
- Alcohol Misuse and HIV Infection: Viral and Immune Factors Influencing Transmission and Disease Progression, Angela Martin Amedee, LSU Health Sciences Center – New Orleans
- Chronic Alcohol Exposure Decreases Expression of Tight Junction Proteins and Impairs Lung Barrier Function, Niya Morris, Emory University, #28
- Abnormal Eating Pattern Promotes Alcohol-induced Colon Carcinogenesis via Dysbiosis and Colonic Inflammation, Faraz Bishehsari, Rush University, #33
- Funding and Training Opportunities, H. Joe Wang, NIAAA

# = abstract and poster number
9:00 am – 12:00 pm

Immunomodulatory Cell Death
Chairs: Ben A. Croker, UCSD, Kristopher Sarosiek, Harvard T.H. Chan School of Public Health

- Effector Functions of Neutrophil Necroptosis, Ben A. Croker, UCSD
- Necroptosis Minus Cell Death Equals Antiviral Immunity in the Brain, Andrew Oberst, University of Washington
- Enhancing Anti-cancer Immune Responses by Modulating Tumor Cell Death, Kristopher Sarosiek, Harvard T.H. Chan School of Public Health
- New Insights into Non-canonical Inflammasome Signaling and Functions in Host Defense, Kate Schroder, The University of Queensland
- Identification of Novel Regulators of Autophagy that Promote Cell Death, Eric Baehrecke, University of Massachusetts Medical School

9:00 am – 12:00 pm

Progress in CRISPR-Cas Biology and Gene Editing
Chair: Min Wu, University of North Dakota

- How the Unique Structures of CRISPR-Cas Facilitate the Gene Editing, Zhiwei Huang, Harbin Institute of Technology
- How Many Applications Can the CRISPR Biotechnology Bring?, Samira Kiani, Arizona State University
- The Expanding CRISPR Universe, Eugene Koonin, NIH
- Structure and Function for CRISPR-Cas Research: The Recent Highlights, Ailong Ke, Cornell
- Can We Find or Reinvent the Best CRISPR-Cas for Gene Editing?, Min Wu, University of North Dakota

9:00 am – 12:00 pm

Resolution of Inflammation
Chairs: Charles N. Serhan and Stephania Libreros, Harvard Medical School and Brigham and Women’s Hospital

- Novel Mediators of Inflammation Resolution and Tissue Regeneration, Charles N. Serhan, Harvard Medical School and Brigham and Women’s Hospital
- Lipid Mediators at the Interface of Resolution of Inflammation and Tissue Repair, Matthew Spite, Harvard Medical School and Brigham and Women’s Hospital
- Cannabinoid Agonist Activation of Pro-resolving Lipid Mediators in Humans, Barbara White, Corbus Pharmaceuticals
- Resolvin D1 Enhances Necroptotic Cell Clearance, Gabrielle Fredman, Albany Medical College
- Lipid Mediators of Neutrophil Swarming, Daniel Irimia, Harvard Medical School and Massachusetts General Hospital

Location: Gloucester
Location: Newbury
Location: Great Republic
1:00 pm – 4:00 pm

Immune Regulation, Autoimmunity and Infection
Chairs: Rachel Caspi, NIH & Wan Jun Chen, NIH

- Treatment and Cure Strategies for WHIM Syndrome Immunodeficiency, Philip Murphy, NIAID, NIH
- How TLR9 Signaling Shapes the Survival, Differentiation and the Metabolism of B Cells, Munir Akkaya, NIAID, NIH
- Human FCRL3 Binds Secretory IgA, an Essential Component of Mucosal Immunity, and Restrains Regulatory T Cell Activity, Mate Tolnay, CDER, FDA
- Modeling Neurotropic Viruses in Immunocompetent Mice: What Have We Learned So Far, Daniela Verthelyi, FDA
- Th17 Effector Regulation in Ocular Inflammatory Disease, Rachel Caspi, NEI, NIH
- Tregs Orchestrate Antigen Specific Suppression via Stripping Cognate Peptide-MHCII from the DC Surface, Billur Akkaya, NIAID, NIH
- D-mannose Induces Regulatory T cells and Suppresses Autoimmunity and Inflammation, Wan Jun Chen, NIDCR, NIH

1:00 pm – 4:00 pm
Advanced Imaging Approaches to Visualize Immune Cell Behavior
Chairs: Margarida Barroso, Albany Medical College & Sergio Catz, The Scripps Research Institute

Sponsored by: The Histochemical Society

- Application of Total Internal Reflection Fluorescence and Super Resolution Microscopy to the Study of Neutrophil Function, Sergio Catz, The Scripps Research Institute
- Fluorescence Lifetime and FRET Based Approaches to Visualize Immune Cell Function, Margarida Barroso, Albany Medical College
- Pushing the Limits of Superresolution: SuperSTORM, Klaus Ley, La Jolla Institute for Immunology
- Technical Approaches to Study Phagosome Formation and Maturation: Use of Filamentous Particles, Mauricio Terebiznik, University of Toronto
- Broadening the Reach of Intravital Imaging through Surgical Engineering, David Entenberg, Albert Einstein College of Medicine

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Passcode = slb2019
1:00 pm – 4:00 pm

Impact of Aging on Tissue Resident Immune Cells
Chair: Rebecca Fuldner, NIA, NIH

- Skin-resident T Cell Responses to VZV Infection and Vaccination, David Koelle, University of Washington
- Aging-Related Changes in CD4 T and B cell Subsets and More Stringent Requirements for their Differentiation into Tissue Resident Effectors and Memory, Susan Swain, University of Massachusetts Medical School
- Adipose Tissue Resident Leukocytes in Aging and Inflammation, Vishwa Deep Dixit, Yale University
- Exploring the Impact of Inflammaging on Immune Function During M. tb Infection, Joanne Turner, Texas Biomedical Research Institute
- Adipose Tissue Resident B cells in Aging and Autoimmunity, Daniela Frasca, University of Miami

1:00 pm – 4:00 pm

Global Science: Focus on Advancements in Immunology Research
Chair: Luis Montaner, Wistar, JLB Editor-in-Chief

Location: Newbury

South Korea:

- AITR Mediates the Polarization of CD4 T cells to Th1, Th2 and Th17, and Converts Treg to Th1 and Eradicates Solid Tumors, Byoung S. Kwon, Eutilex Co.
- The Role of PTEN in Th17 Cell Differentiation, Gap Ryol Lee, Sogang University

China:

- FOXP3+Treg Functional Stability and their Clinical Applications, Bin Li, Shanghai JiaoTong University
- Amino Acid Metabolites Modulate Cytokine Responses and Reprogram Macrophage Polarization, Xiaoyu Hu, Institute for Immunology, Tsinghua University

Japan:

- Mechanisms Controlling Innate Immune Responses to Nucleic Acids, Kensuke Miyake, The University of Tokyo
- SATB1, A Nuclear Protein Necessary for Establishment of Immune Tolerance, Motonari Kondo, Toho University School of Medicine

South Africa & Malawi:

- The Impact of HIV Infection on Treg Populations in the Placenta and Adverse Birth Outcomes, Clive Gray, University of Cape Town
- The Impact of HIV Infection on Lung Immunity and Control of Mycobacterium tuberculosis Infection, Henry C Mwandumba, Malawi-Liverpool-Wellcome Trust Clinical Research Programme
Saturday, November 16th

Registration
8:00 am – 6:00 pm
America Ballroom Foyer

Speaker Ready Room
8:00 am – 6:00 pm
Independence A

Exhibits
12:00 pm – 6:00 pm
America Ballroom Foyer

8:30 – 10:00 am  Poster Flash Talks: Highlighted Poster Session Presentations

**Innate Immune Response to Infection**: Co-Chair: Zhan Wang

Components of Pulmonary Surfactant Environment Suppress *Staphylococcus Aureus* Virulence, Timothy Borgogna, *Montana State University*, #25

*Bacillus* InhA Metalloproteases Contribute to Ocular Infection and Inflammation, Erin Livingston, *Oklahoma University Health Science Center*, #46

The TLR2 Tango: Contributions of Neutrophils and the Putative Oral Pathogen *Filifactor Alocis* to periodontitis, Irina Miralda, #59

**Immunity of Disease**: Co-Chair: Felix Ellett

Tissue-resident Alveolar Macrophages from Young and Aged Mice Respond Differently to Distal Injury, Devin Boe, *University of Colorado Denver*, #17

Removal of Innate Suppressors Enhances Anti-Tumor Immune Responses, Yao Zhang, *Virginia Tech*, #91

Lung ALOX15 Impacts Pseudomonas Induced Transepithelial Neutrophil Migration, Juliana Barrios, *Massachusetts General Hospital*, #24

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Wi-Fi for app access and emails.
Network = Westin_Meeting_Room
Passcode = slb2019

Visit MTTG in the foyer
Learn about their activities and get help using the event app.

Mechanosensing Regulates Effector Functions of Human Neutrophils, Hadley Witt, *Brown University / Rhode Island Hospital*, #45

*Helicobacter Pylori* Infection Modulates Human Neutrophil Chemotaxis, Allan Prichard, *University of Iowa*, #47
Resolution of Immune Responses: Co-Chair: Devin Boe

Infection Dissemination by Leukocytes, Felix Ellett, Massachusetts General Hospital, #92

Solute Carrier (SLC) 37A2 Controls Macrophage Inflammation by Regulating Glycolysis, Zhan Wang, Wake Forest School of Medicine, #106

RvE1 Promotes Phenotypic Stability of Regulatory T cells in Periodontitis, Carla Alvarez, The Forsyth Institute, #105

Resolvin D1 Engages Myeloid Cell-Dependent Revascularization During Ischemia via its Receptor, ALX/FPR2, Brian Sansbury, Brigham and Women’s Hospital and Harvard Medical School, #107

10:00 – 10:30 am MTTG Video Presentations – A New Frontier in Showcasing Science
Highlighting Elevator talks and video abstracts submitted by all attendees

10:30 – 10:45 am Comfort Break

10:45 am – 12:00 pm Speed Networking Career Roundtables
A round table format to foster discussions between scientists from academic, government, and industry and individuals seeking career advice. Pre-registration required

12:00 pm – 1:30 pm MTTG (Members in Transition and Training) Lunch Workshop: LinkedIn for Career Building, Networking & Job Search Pre-registration required
Join this workshop for hands-on guidance to building your LinkedIn profile and boosting your professional networking skills. Featuring Sabrina Woods who has 20 years in the career services field. Note: Please bring a laptop or tablet to this session.

OR

12:00 – 1:30 pm Lunch on your own

Take an Art Studio Break
Take a break and visit Wally Gilbert’s Art Studio in space C319 at 1 Fitchburg Street, Somerville, MA 02143. A Nobel Laureate and co-founder of Biogen, Wally Gilbert has graciously agreed to have his assistant welcome participants of the SLB meeting to his studio anytime on Saturday, November 16th or Sunday, November 17th from 12-6pm. Feel free to stop by anytime during these hours and enjoy the colorful art. Wally superimposes and transforms digital photographs in the computer and shows them as large, brilliantly colored prints on Aluminum.
1:30 – 3:15 pm Plenary I: Welcome and Program

Overview

1:30 pm
Translating Discoveries into Meaningful Therapies: Key Questions to Address and Why, Cherié Butts, Biogen

2:00 pm
Neutrophil Cytoplasts Promote TH17 Inflammation in Asthma, Bruce Levy, Brigham & Women’s Hospital

2:25 pm
A Rendezvous with Microglia, Richard Ransohoff, Harvard Medical School and Third Rock Ventures

2:50 pm
Neutrophils as Targets in Autoimmune Vasculitis: New Concepts, Veronique Witko-Sarsat, INSERM

3:15 – 4:45 pm SLB Junior Awards

SLB Student Presidential Award Finalist

3:15 pm
Rewiring of the Placenta Immune Landscape with Pregravid Obesity, Suhas Sureshchandra, University of California Irvine, #97

3:30 pm
Phenotypical MicroRNA Screen Reveals a Noncanonical Role of CDK2 in Regulating Neutrophil Migration, Alan Hsu, Purdue University, #98

3:45 pm
RNA-sequencing Identifies Key Eosinophil Mediators Involved with Remodeling of Damaged Muscle Tissue in the MDX Mouse Model of Duchenne Muscular Dystrophy, Albert Sek, NIAID, NIH, #99

SLB Junior Faculty/Postdocs Presidential Award Finalist

4:00 pm
Augmenting Emergency Granulopoiesis with CpG-ODN Conditioned Mesenchymal Stromal Cells for the Treatment of Neutropenic Sepsis, Julie Ng, Brigham and Women’s Hospital, #36

4:15 pm
Uric Acid Pathway Activation During Respiratory Syncytial Virus Infection Promotes Th2 Immune Responses via Innate Cytokine Production and Type 2 Innate Lymphoid Cells Activation, Wendy Fonseca, University of Michigan, #37

4:30 pm
Resolvin D4: Biosynthesis and Actions in Mice Vasculature, Charlotte Jouvene, Harvard Medical School, #100

4:45 – 5:00 pm Coffee Break, America Ballroom Foyer

Did you know SLB has a Lunch ‘n Learn Program?

SLB supports local journal clubs and educational meetings at your institution. Providing funds for lunch to create an engaging and collaborative experience, SLB supports members at many career levels year-round. Stop by the registration desk to learn more.
52nd Annual Meeting of the Society for Leukocyte Biology

5:00 – 6:00 pm  SLB Mid-Level Award Talks

5:00 pm Dolph Adams Award

Intermittent Rolling is a Striking Novel Defect of the Extravasation Cascade Caused by Myosin1e-deficiency in Neutrophils
Michael Schnoor, CINVESTAV del IPN, #38

5:20 pm Jeanette Thorbecke Award

Innate Trained Immunity Can Influence Immune Cells Recruitment and Phenotype at the Fetomaternal Interface and Pregnancy Outcomes in Mice
Ludivine Doridot, Paris Descartes University (France), #39

5:40 pm Women & Diversity Paper of the Year Award

Anti-inflammatory Role of Intestinal Microbiota Helps Balance Immune Response After Pathogenic Infection
Gretchen Diehl, Baylor College of Medicine, #40

6:00 – 6:45 pm  Journal Focus – Top Cited Authors from the Journal of Leukocyte Biology

6:00 pm
Macrophage Sensing of Cell Death, Kenneth Rock, UMASS

6:20 pm
Myeloid Cell-specific Deletion of Cebp Decreases Sepsis-induced Immunosuppression in Mice, Mohamed Elgazzar, East Tennessee State University College of Medicine

6:45 – 7:45 pm  Opening Reception, America Ballroom North

Enjoy an opening reception with lite fare to celebrate the start of the conference and enjoy a short talk from a historian focused on local architecture.

7:45 – 8:45 pm  SLB Legacy Keynote Lecture

SLB Legacy Awardee
Targeted Therapies that Enhance Response to Immune Checkpoint Inhibitors
Ann Richmond, Vanderbilt University

Visit Your Industry Partners in the Foyer

Stop by the foyer displays and learn how your industry partners can support your work. Ask them to initial your “passport” and be entered into a prize drawing!
## Sunday, November 17th

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 – 9:00 am</td>
<td>Women and Diversity Workshop</td>
<td>America Ballroom Foyer</td>
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<td></td>
<td>Breakfast – Advocating for Your Goals: The Art of Saying No, So You Can Say Yes</td>
<td>OR Adams/Parliament</td>
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<tr>
<td></td>
<td>Chair: Amanda Brown, Johns Hopkins University</td>
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<td>Pre-registration required</td>
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<tr>
<td>8:30 – 9:00 am</td>
<td>Networking Breakfast</td>
<td>America Ballroom Foyer</td>
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<td>Enjoy a continental breakfast while networking with fellow attendees.</td>
<td>OR</td>
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### 9:00 – 10:30 am Plenary II: Mucosal Immunity

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00 am</td>
<td>Immunity and Inflammation at the Oral Mucosa: Mechanisms and Host-modulation Approaches, George Hajishengallis, University of Pennsylvania</td>
<td>America Ballroom Center</td>
</tr>
<tr>
<td>9:30 am</td>
<td>Neutrophilic Inflammation and Gonococcal Pathogenesis, Alison Criss, University of Virginia</td>
<td>Independence B</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Developing Alternative Approaches for Induction of Mucosal Immunity, Prosper Boyaka, OSU</td>
<td>Ballroom Center</td>
</tr>
</tbody>
</table>

### 10:30 am – 11:00 am Coffee Break, America Ballroom Foyer

**OR**

### 10:30 am – 11:00 am Coffee with the Editor-in-Chief, Independence B

All are welcome to come meet the *Journal of Leukocyte Biology* Editor-in-Chief, Luis Montaner, along with Deputy and Associate Editors, during this special coffee break. JLB is your journal and suggestions are welcome for issues, topics, and web presentations JLB can explore with you to communicate your science. Discuss your manuscript ideas, ask questions about the submission system, and learn about the review process.
### 11:00 am – 12:30 pm  Concurrent Sessions 1 & 2

#### Concurrent Session 1: Changes in Tissue Immunity with Aging

**Chairs:** Elizabeth J. Kovacs, *University of Colorado Denver*; Prajwal Gurung, *University of Iowa*  
**Location:** America Ballroom Center

**Featured Speaker:**  
11:00 am *Advanced Age and the Gut-Lung Axis*, Elizabeth J. Kovacs, *University of Colorado Denver*

**Selected Talks:**  
11:30 am *Senescence-Associated β-Galactosidase Activity and Other Markers of Cellular Senescence are Present in Human Peripheral Blood Mononuclear Cells During Healthy Aging and HIV Infection*, Patricia Fitzgerald-Bocarsly, *Rutgers New Jersey Medical School*, #13

11:45 am *Malt1 Deficient Mice Develop Osteoporosis Independent of Osteoclast-intrinsic Effects of Malt1 Deficiency*, Mahdis Monajemi, *University of British Columbia*, #14

12:00 pm *Extracellular Adenosine Signaling Reverses the Age-driven Decline in the Ability of Neutrophils to Kill S. pneumoniae*, Elsa Bou Ghanem, *University at Buffalo*, #15

12:15 pm *Dissection of the Inflammatory Status of Hearts in Aging Mice with Invasive Pneumococcal Disease*, Katherine Kruckow, *University of Alabama at Birmingham*, #16

**OR**

#### Concurrent Session 2: Impact of the Microbiome on Immune Responses and Cancer

**Chairs:** Giorgio Trinchieri, *NIH*; Juhi Bagaitkar, *University of Louisville*  
**Location:** America Ballroom North

**Featured Speaker:**  
11:00 am *Cancer and the Microbiome*, Giorgio Trinchieri, *NIH*

**Selected Talks:**  
11:30 am *Type 3 Adaptive Cell and MDSC Expansion: Dynamics Mediated by IL-6 in a Mammary Carcinoma Model*, Viva Rasé, *University of Northern Colorado*, #29

11:45 am *Effect of IL-15 Deficiency on Thymocytes*, Sheela Ramanathan, *Université de Sherbrooke*, #30

12:00 pm *Alcohol Alters MAIT Cell Profile in Gut-Lung Axis Associated with Gut Dysbiosis*, Min Gu, *Louisiana State University Health Science Center*, #31

12:15 pm *Treponema Denticola Interrupts Activity of Phosphoinositol Processing in Neutrophils*, Megan Jones, *University at Buffalo, SUNY*, #32

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### 12:30 – 2:30 pm  Lunch on Your Own

Explore the tastes of Boston conveniently located in the Copley Place Mall and surrounding neighborhoods.

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### 2:30 – 4:00 pm  Plenary III: Autoimmune Disease

**Chairs:**  
Ruth Montgomery, *Yale*; David Underhill, *Cedars-Sinai*  
**Location:** America Ballroom Center

2:30 pm *NETs – The Second Function of Chromatin*, Arturo Zychlinsky, *Max Planck Institut*  
3:00 pm *Regulation of Inflammation*, Kate Fitzgerald, *UMASS*

3:30 pm *Localized Immunomodulation with a Novel Form of Fas Ligand for Tolerance Induction to Allogeneic Islet Grafts*, Esma Yolcu, *University of Louisville*
4:00 – 4:15 pm  Coffee Break, America Ballroom Foyer

4:15 – 5:45 pm  Concurrent Sessions 3 & 4

**Concurrent Session 3: Resolution of Immune Responses**

**Chairs:** Tom Wynn, *Pfizer*; Hemant Mishra, *University of Minnesota*

**Location:** America Ballroom Center

**Featured Speaker:**

4:15 pm  *Type 2 Immunity in Tissue Regeneration and Fibrosis*, Tom Wynn, *Pfizer*

**Selected Talks:**

4:45 pm  *Injury Induces MHCIi-Dependent Expansion of Specific CD4+ Regulatory T Cell Subpopulations*, James Lederer, *Harvard Medical School*, #101

5:00 pm  *Novel Activation of Immunoresolvent Circuits by Hypoxia Environment*, Stephanie Libreros, *Harvard Medical School*, #102

5:15 pm  *Novel Prodrug Formulation of BCL6 BTB-specific Inhibitor Represses T Cell Activation, Tfh Cells, & T-cell Dependent Immune Responses in vivo*, Yanhui Cai, *Wistar Institute*, #103

5:30 pm  *Identification of Novel A2Ar-dependent TIGIT+Tregs Associated with Resolution of Ocular Inflammation*, Darren Lee, *University of Oklahoma Health Sciences Center and Dean McGee Eye Institute*, #104

5:45 – 7:45 pm  Poster Session I Reception, America Ballroom South

Browse the ODD numbered poster boards while enjoying light fare and networking with fellow attendees.

**Concurrent Session 4: Immunity in the Lung**

**Chairs:** Claire Doerschuk, *University of North Carolina*; Lael Yonker, *Mass. General Hospital*

**Location:** America Ballroom North

**Featured Speaker:**

4:15 pm  *Innate Immunity and Lung Host Defense during Pneumonia*, Claire Doerschuk, *University of North Carolina*

**Selected Talks:**

4:45 pm  *Sirtuin 1 Regulates Mitochondrial Function and Immune Homeostasis in Respiratory Syncytial Virus Infected Dendritic cells*, Srikanth Elesela, *University of Michigan Medical School*, #19

5:00 pm  *The Coinfected Pulmonary Environment: How Influenza A virus, Bacterial Pathogens, and the Host Interact and Adapt*, Amanda Jamieson, *Brown University*, #20

5:15 pm  *Pulmonary Nuclear Factor-Erythroid-2-Related Factor (NRF2)-insufficiency After Burn and Inhalation Injury*, Robert Maile, *UNC Chapel Hill*, #21

5:30 pm  *Post-traumatic Pulmonary Infection: Chemokine-directed Innate Immune Responses Along the Lung-skin Axis Prioritize Pulmonary Defense Over the Healing Wound*, Meredith Crane, *Brown University*, #22

**Renew with SLB for 2020**

Renew your membership for 2020, or join, and be part of a supportive and diverse community of researchers and clinicians. Review some of the benefits and visit the registration desk to learn more.

- Leadership positions at all career levels
- Extensive award program
- Presentation and programming opportunities
- Online JLB subscription
- Year-round professional development programs
- Discounted publication fees
### Monday, November 18th

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<tbody>
<tr>
<td>7:00 – 9:00 am</td>
<td>Professional Workshop Breakfast – <em>Building the Right Team through Great Leadership</em></td>
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<td><em>Adams/Parliament</em></td>
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<td>Chairs: Shannon Wallet and Coy Allen</td>
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<td>Featuring Rachael Phillips and a panel of advisors.</td>
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<td><em>Pre-registration required</em></td>
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<tr>
<td>8:30 – 9:00 am</td>
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<td>Enjoy a continental breakfast while networking with fellow attendees.</td>
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<tr>
<td>9:00 – 10:30 am</td>
<td>Concurrent Sessions 5 &amp; 6</td>
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<tr>
<td>Concurrent Session 5: Innate Immune Response to Infection</td>
<td>Chairs: Sergio Catz, Scripps Institute; Matthew Alder, Cincinnati Children's Hospital</td>
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<td>Location: America Ballroom Center</td>
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<tr>
<td>Featured Speaker:</td>
<td>9:00 am <em>The Inner Life of the Neutrophil: From Vesicular Trafficking to Inflammation</em>,</td>
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<td></td>
<td>Sergio Catz, Scripps Institute</td>
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<td>Selected Talks:</td>
<td>9:30 am *Serum- &amp; Glucocorticoid- Inducible kinase1 (SGK1) Restrains P. Gingivalis-mediated</td>
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<td>Inflammation &amp; Protects Against Periodontal Bone Loss*, Huizhi Wang, VA Commonwealth Uni.,</td>
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<td>#41</td>
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<td></td>
<td>9:45 am *Modulation of Phagocytosis-induced Cell Death of Human Neutrophils by Neisseria</td>
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<td>gonorrhoeae*, Christine Cho, Uni. of Iowa, #42</td>
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<td></td>
<td>10:00 am *Neutrophil Maturation and Their Response to Infectious Pathogens are Regulated by</td>
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<td>Microbiota*, Mihaela Gadjeva, Brigham and Women's Hospital, #43</td>
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<td>Concurrent Session 6: Respiratory Allergic Diseases</td>
<td>Chairs: Avery August, Cornell University; Chyna Gray, Brown University / Rhode Island Hospital</td>
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<td>Location: America Ballroom North</td>
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<tr>
<td>Featured Speaker:</td>
<td>9:00 am <em>Tuning T cell Responses During Lung Inflammation</em>, Avery August, Cornell University</td>
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<tr>
<td>Selected Talks:</td>
<td>9:30 am <em>The Enigmatic Role of Sphingolipid Signaling in Asthma</em>, Jamie Sturgill, Uni. of</td>
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<td>Kentucky, #120</td>
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<td></td>
<td>9:45 am *Defining Cellular Heterogeneity in Asthma with Multiparameter Single Cell Profiling</td>
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<td>of Airway Inflammatory Cells*, Ruth Montgomery, Yale School of Medicine, #121</td>
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<td></td>
<td>10:00 am *Aspergillus Fumigatus Cell Wall Promotes Airway Epithelial Recruitment of Human</td>
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<td>Neutrophils*, Michael Feldman, Harvard Med. Schl., Massachusetts General Hospital, #122</td>
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<td></td>
<td>10:15 am *The Role of Neutrophil Extracellular Traps in Rhinitis of Infectious and Allergic</td>
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<td>Origin*, Marcin Zawrotniak, Jagiellonian Uni., #123</td>
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</tbody>
</table>
10:30 – 10:45 am  Coffee Break, America Ballroom Foyer

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

Concurrent Session 7: Acquired Immune Response to Infection

Chairs: Jean Lim, Mount Sinai; Elsa Bou Ghanem, University at Buffalo
Location: America Ballroom Center

Featured Speaker:
10:45 am Dengue Virus Immunity Increases Zika Virus-induced Damage During Pregnancy, Jean Lim, Mount Sinai

Selected Talks:
11:15 am Immune Checkpoint Regulator, VISTA, Improves Survival in Murine Sepsis by Enhancing T-cell Crosstalk and Minimizing Inflammatory Tissue Injury, Chyna Gray, Brown University / Rhode Island Hospital, #1

11:30 am B Cells Inhibit CD4+ T Cell-mediated Protection Against Brucella Infection, Alexis Dadelahi, University of Missouri, #2 📌

11:45 am Circulating and Local Biomarkers for Diagnosis of Tuberculous Lymphadenitis, Chaouki Benabdessalem, Institut Pasteur de Tunis, #3

12:00 pm LPS Exposure in Mice Changes Immune Responses in Offspring, Lalita Mazgaeen, University of Iowa, #4

OR

Concurrent Session 8: Innate Immunity in Cancer

Chairs: Marco Cassatella, University of Verona; Megan Jones, University at Buffalo, SUNY
Location: America Ballroom North

Featured Speaker:
10:45 am Advances on the Molecular Regulation of Gene Expression in Human Neutrophils, Marco Cassatella, University of Verona

Selected Talks:
11:15 am Growing Tumor Modifies Neutrophil Anti-Bacterial Properties, Leading to the Increased Susceptibility of Tumor-bearing Hosts to Acute Lung Infections with Pseudomonas Aeruginosa, Jadwiga Jablonska, UK Essen, #87

11:30 am Kinetic of memory-like NK cells in response to HCMV after haploidentical, Domenico Mavilio, Med. Schl. Milan Uni./Humanitas Rsrch Hsptl, #88 📌

11:45 am Pleiotropic Roles of Tumor-Associated Macrophages (TAMs) in Promoting Cancer Metastasis during Chemotherapy Treatment, George Karagiannis, Albert Einstein College of Medicine, #89

12:00 pm ADAM17 Inhibition Enhances Human NK Cell Proliferation by IL-15 in a Mouse Xenograft Model, Hemant Mishra, University of Minnesota, #90 📌

12:15 pm – 2:15 pm  Poster Session II Lunch, America Ballroom South
Browse the EVEN numbered poster boards while enjoying lunch and networking with fellow attendees.
2:15 pm – 2:45 pm  **Member Business Meeting & Award Presentations**, America Ballroom Center

Learn about the current status of SLB and JLB and congratulate award winners with the announcement of Presidential awards and formal recognition of all travel awardees.

2:45 – 3:30 pm  **Plenary IV: Program Retrospective**

- **2:45 pm**  
  A New Chapter at the Oral Mucosa: Neutrophils Coping with the Emerging Oral Pathogens, Silvia Uriarte, *University of Louisville*

- **3:15 pm**  
  Future Outlook  
  Outlook for implications of the research presented will be reviewed along with announcements of onsite poster awardees and prize drawings.

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**Two Special 2020 Opportunities to Publish in *JLB*!**

*** SLB 2019 Meeting Issue – First submissions due by January 29, 2020 for the JLB November 2020 issue

*** Special Member Issue on Lung Immunology - look for the call for papers in March.

JLB Special Focus issues feature articles both in the form of review papers ("overviews") and original investigations. *Visit the JLB table for more information on these opportunities and more!*

- Vote for the December 2019 cover image
- Submit your ideas for future topical issues
- Win fun prizes and participate in YOUR journal
Poster Program Summary

**Acquired Immune Response to Infection**
(abstracts 1-6)

**Autoimmune Disease**
(abstracts 7-12)

**Changes in Tissue Immunity with Aging**
(abstracts 13-18)

**Immunity in the Lung**
(abstract 19-28)

**Impact of the Microbiome on Immune Responses and Cancer**
(abstracts 29-35)

**Innate Immune Response to Infection**
(abstracts 36-86)

**Innate Immunity in Cancer**
(abstracts 87-91)

**New Technologies**
(abstracts 92-96)

**Resolution of Immune Responses**
(abstracts 97-119)

**Respiratory Allergic Diseases**
(abstracts 120-125)

**Late Breaking Research**
(abstracts LB1-LB15)

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**Poster Schedule**

**Set-up:** Saturday, November 16th 12 pm

**Removal:** Monday, November 18th 3 pm

**Poster Session I:**

*ODD Numbered Abstracts Presented*

*Lite Dinner Reception*

Sunday, November 17th, 5:45 – 7:45 pm

**Poster Session II:**

*EVEN Numbered Abstracts Presented*

*Lunch Reception*

Monday, November 18th, 12:15 – 2:15 pm
Great Republic, Helicon, Mastiff, North Star: Sunday, 11/17 & Monday 11/18 Committee Meetings

Parliament & Adams: Sunday, 11/17 & Monday 11/18 Workshops

America Ballroom Foyer:
- Registration Desk
- Elevators
- Escalator to 3rd floor
- Convention office

Fourth Floor:
- Main Conference Floor

Second Floor:
- Newbury & Gloucester: Friday, 11/15 SIG Sessions and evening Council meeting
53rd Annual Meeting
Host-Microbial Interactions in Health and Disease: The Good, the Bad and the Ugly
September 30 – October 3, 2020
Portland, Oregon
Marriott Waterfront

CHAIRS: Ilhem Messaoudi, University of California, Irvine & Louis Justement, University of Alabama at Birmingham

2020 TOPICS:
• Disruptions of Microbial Communities with Disease
• Immune Modulation by Microbes
• Regulation of Gene Expression During Host-Microbe Interactions
• Microbes as Triggers of Auto-Immunity / Inflammation
• Sepsis - Tissue Damage
• Harnessing the Immune System - Vaccination
• Early Life Microbial Exposure and Immune Ontogeny
• Impact of Age on Host-Microbe Homeostasis
• Metabolic Regulation of Host-Microbe Interactions
• Co-Opting of the Host Immune System by Microbes
• Microbes and Neuro-Inflammation

2020 CONFIRMED SPEAKERS:
• Christopher Basler
• Amanda Brown
• Hector Aguilar Carrero
• Sara Cherry
• Kylie Kavanagh
• Meagan Koch
• Martin Kriegel
• Doug Kwon
• Prig Loke
• Kendie Maslowski
• Derek McKay
• Ilhem Messaoudi
• Meera Nair
• Beatriz Leon Ruiz
• Balfour Sartor
• Fikadu Tafesse
• Raphael Valdivia
• Katrine Whiteson

WWW.LEUKOCYTEBIOLOGY.ORG/2020-MEETING
## Friday, November 15th

### Special Interest Group Satellites

- **Alcohol & Tissue-Specific Immunity (AIRIG)**
  - 9:00 am–12:00 pm
  - Location: Independence B

- **Immunomodulatory Cell Death**
  - 9:00 am–12:00 pm
  - Location: Gloucester

- **Progress in CRISPR-Cas Biology and Gene Editing**
  - 9:00 am–12:00 pm
  - Location: Newbury

- **Resolution of Inflammation**
  - 1:00 pm–4:00 pm
  - Location: Great Republic

- **Immunomodulatory Cell Death**
  - 1:00 pm–4:00 pm
  - Location: Gloucester

- **Impact of Aging on Tissue Resident Immune Cells**
  - 1:00 pm–4:00 pm
  - Location: Gloucester

- **Global Science: Focus on Advancements in Immunology Research**
  - 1:00 pm–4:00 pm
  - Location: Newbury

## Saturday, November 16th

### Registration
- 8:00 am–6:00 pm
  - Location: America Ballroom Foyer

### Speaker Ready Room
- 8:00 am–6:00 pm
  - Location: Independence A

### Exhibits
- 12:00 pm–6:00 pm
  - Location: America Ballroom Foyer

### Poster Flash Talks & Video Presentations
- 8:30–10:30 am
  - Location: America Ballroom Center

### Comfort Break
- 1:00 pm–4:00 pm
  - Location: America Ballroom Foyer

### Networking Breakfast
- 8:30–9:00 am
  - Location: America Ballroom Foyer

### Plenary II: Mucosal Immunity
- 9:00–10:30 am
  - Location: America Ballroom Center

### Coffee Break
- 10:30 am–11:00 am
  - Location: America Ballroom Foyer

### Coffee with the JLB EIC
- 11:00 am–12:30 pm
  - Location: Independence B

### Concurrent Session 1: Changes in Tissue Immunity with Aging
- 12:30–2:30 pm
  - Location: America Ballroom North

### Concurrent Session 2: Impact of the Microbiome on Immune Responses and Cancer
- 12:30–2:30 pm
  - Location: America Ballroom North

## Sunday, November 17th

### Registration
- 8:00 am–4:30 pm
  - Location: America Ballroom Foyer

### Speaker Ready Room
- 8:00 am–2:30 pm
  - Location: Independence A

### Exhibits
- 8:30 am–2:30 pm
  - Location: America Ballroom Foyer

### Women and Diversity Workshop Breakfast–Advocating for Your Goals: The Art of Saying No, So You Can Say Yes
- 7:00–9:00 am
  - Location: Adams/Parliament
  - Pre-registration required

### Networking Breakfast
- 8:30–9:00 am
  - Location: America Ballroom Foyer

### Plenary III: Autoimmune Disease
- 9:00–10:30 am
  - Location: America Ballroom Center

### Concurrent Session 5: Innate Immune Response to Infection
- 10:45–12:15 pm
  - Location: America Ballroom Center

### Concurrent Session 6: Respiratory Allergic Diseases
- 10:45–12:15 pm
  - Location: America Ballroom North

### Coffee Break
- 10:45 am–12:15 pm
  - Location: America Ballroom Foyer

### Member Business Meeting & Award Presentations
- 2:45 – 3:30 pm
  - Location: America Ballroom Center

### Plenary IV: Program Retrospective
- 4:00–4:15 pm
  - Location: America Ballroom Foyer

### Monday, November 18th

### Registration
- 8:00 am–3:30 pm
  - Location: America Ballroom Foyer

### Speaker Ready Room
- 8:00 am–2:30 pm
  - Location: Independence A

### Exhibits
- 8:30 am–2:30 pm
  - Location: America Ballroom Foyer

### Professional Workshop Breakfast–Building the Right Team through Great Leadership
- 7:00–9:00 am
  - Location: Adams/Parliament
  - Pre-registration required

### Networking Breakfast
- 8:30–9:00 am
  - Location: America Ballroom Foyer

### Plenary Session on the Journal of Leukocyte Biology
- 9:00–10:30 am
  - Location: America Ballroom Center

### Concurrent Session 7: Acquired Immune Response to Infection
- 10:45–12:15 pm
  - Location: America Ballroom Center

### Concurrent Session 8: Innate Immunity in Cancer
- 10:45–12:15 pm
  - Location: America Ballroom North

### Coffee Break
- 12:15 pm–2:15 pm
  - Location: America Ballroom Foyer

### Member Business Meeting & Award Presentations
- 2:15 pm–2:45 pm
  - Location: America Ballroom Center

### Plenary Session on the Journal of Leukocyte Biology
- 2:45 – 3:30 pm
  - Location: America Ballroom Center