

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



October 5-7, 2017
The Westin Bayshore
Vancouver, Canada

Organizers: Liwu Li and Lionel Ivashkiv

Wednesday, October 4

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

LOCATION: MacKenzie

Organizers: Jane Conner, *MedImmune*, Lynne Murray,
MedImmune, Elizabeth J. Kovacs, *University of
Colorado Denver*, and Rebecca Fuldner, *NIA*

Inflammation in tissue regeneration and fibrosis,
Tom Wynn, *NIAID*

**Granzyme B in Aging and Impaired Collagen
Remodeling,** David Granville, *University of British
Columbia*

**Interconnected stress responses in aging and fibrosis
of the lung,** Ana Mora, *University of Pittsburgh*
**Inflammatory cells in the response to sterile damage:
new roles for unexpected players,** Fabio Rossi,
University of British Columbia

**The role of inflammation in development of age-
related liver fibrosis,** Tatiana Kisseleva, *University of
California San Diego*

**Therapeutic targeting of age-associated pathological
mechanisms in fibrotic lung disease,** Louise Hecker,
University of Arizona

6:00pm – 9:30pm SLB Council Meeting

By invitation only

LOCATION: Chairman

Thursday, October 5

8:00am – 6:00pm Registration

LOCATION: Bayshore Foyer

8:00am – 5:00pm Speaker Ready Room

LOCATION: Fraser

10:00am – 6:00pm Exhibits

LOCATION: Bayshore Foyer

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

LOCATION: Bayshore Grand Ballroom Salon C

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

Pre-registration required

LOCATION: Stanley Park Ballroom Salon 3

Somalogic - Somamer Based Technology, Dan Drolet,
Somalogic

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

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

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

LOCATION: Bayshore Grand Ballroom Salon A&B

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

1:30pm **The power of one: Immunology in the age of
single cell genomics**, Ido Amit, *Weizmann Institute*

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

2:30-4:00pm SLB Presidential Nominees

LOCATION: Bayshore Grand Ballroom Salon A&B

3 Student Nominee Presentations

3 Jr. Faculty/Postdoc Nominee Presentations

4:00 – 4:15pm Coffee Break

LOCATION: Bayshore Foyer

4:15- 5:30pm Senior Level Awards

LOCATION: Bayshore Grand Ballroom Salon A&B

4:15pm *Dolph Adams Awardee*

4:40pm *Jean Thorbecke Awardee*

5:05pm *Women & Diversity Paper of the Year*

**5:30- 6:30pm 50th Anniversary
Presentation**

LOCATION: Bayshore Grand Ballroom Salon A&B

Featuring guest speakers sharing their historical
perspective and a special multimedia presentation.
Keynote speakers include Mary Dinanuer, Past SLB
Treasurer, Joe Oppenheim, Past JLB Editor-in-Chief,
and Peter Ward, Long Time Member.

6:30 - 7:30pm Opening Reception

LOCATION: Bayshore Foyer/Pool Garden

7:30 - 8:30pm Keynote Lecture

*Bonazinga Award Winner, Sponsored by Accurate
Chemical*

LOCATION: Bayshore Grand Ballroom Salon A&B

7:30pm Introduction

7:45pm **The Never Ending Story of the Neutrophil** ,
Marco A. Cassatella, *University of Verona*

Friday, October 6

**7:00 am-9:00am SLB Committee and
Editorial Board Meetings** *By invitation only*

7-8am **Publication Committee Meeting** – *Mackenzie*

7:30-9am **JLB Editorial Board Meeting** – *Seymour*

8-9am **Women and Diversity Committee Meeting** –
Oak 1

8-9am **Membership Committee Meeting** – *Oak 2*

8-9am **Website Committee Meeting** – *Arbutus*

8-9am **Development Committee Meeting** - *Fir*

8:00am – 4:00pm Registration

LOCATION: Bayshore Foyer

8:00am – 4:00pm Speaker Ready Room

LOCATION: Fraser

9:00am – 4:00pm Exhibits

LOCATION: Bayshore Foyer

7:00 am-9:00am Networking Breakfast

LOCATION: Stanley Park Ballroom Salon 1&2

Enjoy breakfast while networking with various groups
from SLB committees to exhibitors to senior researchers.

7:00 am-9:00am Professional Development

Workshop Breakfast: Career counseling, guidance, and preparation for a job interview

LOCATION: Stanley Park Ballroom Salon 3

Chair: Julian Gomez –Cambroner, *Wright State University*

Featuring John Lombardo, Career Counselor

A special session targeted to students, postdocs, and young faculty members.

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

LOCATION: Bayshore Grand Ballroom Salon A&B

9:00am **Epigenetic Regulation of Human Macrophage Activation and Function**, Lionel Ivashkiv, *Hospital for Special Surgery*

9:30am **Regulatory mechanisms in trained immunity**, Mihai Netea, *NIJMGEM*

10:00am **Transcriptional and chromatin-mediated control of macrophage function**, Gioacchino Natoli, *IFOM-IEO*

10:30-10:45am Coffee Break

LOCATION: Bayshore Foyer

10:45am- 12:15pm Concurrent Sessions

CS 1- Microbiome in Leukocyte Memory

LOCATION: Bayshore Grand Ballroom Salon A&B

Chair: Andrew Gewirtz, *Georgia State University*

Co-Chair: Name, Institution

10:45am **Gut microbiota, chronic inflammation, and metabolic syndrome**, Andrew Gewirtz, *Georgia State University*

Plus 4 selected talks

CS 2- Systems Analyses of Leukocyte Memory

LOCATION: Bayshore Grand Ballroom Salon C

Chair: Christina Leslie, *Memorial Sloan Kettering Cancer Center*

Co-Chair: Name, Institution

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

Plus 4 selected talks

12:15 - 2:15 pm Poster Session I- Lunch

LOCATION: Bayshore Grand Ballroom Salon D, E, F

Join poster presenters for lunch in this poster presentation session.

12:15 - 1:15 pm MTTG Work Group and Professional Development Committee Meeting *by invitation*

LOCATION: Mackenzie/Seymour

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

LOCATION: Bayshore Grand Ballroom Salon A&B

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

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

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

3:45 - 4:00pm Coffee Break

LOCATION: Bayshore Foyer

4:00 - 5:30pm Concurrent Sessions

CS 3- Leukocyte Memory and Drug Development

LOCATION: Bayshore Grand Ballroom Salon A&B

Chair: Matthew Sleeman, *MedImmune*

Co-Chair: Name, Institution

Society for Leukocyte Biology 50th Annual Meeting

4:00pm **Talk Title TBA**, Matthew Sleeman,
MedImmune

Plus 4 selected talks

CS 4- Systems Biology of Adaptive Immune Memory

LOCATION: Bayshore Grand Ballroom Salon C
Chair: Ellen Rothenberg, *California Institute of Technology*
Co-Chair: Name, *Institution*

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

Plus 4 selected talks

6:30 to 10:00pm **50th Anniversary Cruise**
Attendance requires purchase of a banquet ticket.

Saturday, October 7

8:00am – 4:30pm **Registration**
LOCATION: Bayshore Foyer

8:00am – 4:30pm **Speaker Ready Room**
LOCATION: Fraser

9:00am – 4:30pm **Exhibits**
LOCATION: Bayshore Foyer

7:00 -9:00 am **Women and Diversity Special Session Breakfast**
LOCATION: Stanley Park Ballroom Salon 3

Keynote Speaker: Elizabeth J. Kovacs, University of Colorado Denver

Managing Up, Down and Across: Effective Strategies for Obtaining the Resources You Need

In training to be scientists, we do not receive formal training on how to manage people, but it is a skill that is central to our success. For example, at different stages of your training/career you must effectively manage and negotiate with your peers, advisors, mentors, and division and/or departmental chair leaders. Women in particular are very good at advocating for others, but often fall short of obtaining the resources they need and at a level commensurate with their male colleagues. This session will discuss strategies for controlling emotions, handling crucial conversations and effective self-advocacy.

7:00 - 9:00am **Networking Breakfast**

LOCATION: Stanley Park Ballroom Salon 1&2
Enjoy breakfast while networking with various groups from SLB committees to exhibitors to senior researchers.

9:00 - 10:30am **Concurrent Sessions**

CS 5- Metabolism in Leukocyte Memory

LOCATION: Bayshore Grand Ballroom Salon A&B
Chair: Danica Chen, *University of California, Berkley*
Co-Chair: Name, *Institution*

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

Plus 4 selected talks

CS 6- Leukocyte Memory in Autoimmune Disease

LOCATION: Bayshore Grand Ballroom Salon C
Chair: Virginia Pascual, *Baylor University Medical Center*
Co-Chair: Name, *Institution*

9:00am **Talk Title TBA**, Virginia Pascual, *Baylor University Medical Center*

Plus 4 selected talks

10:30 - 10:45am **Coffee Break**
LOCATION: Bayshore Foyer

10:45am – 12:15 pm Concurrent Sessions

CS 7- Engineering Analyses of Leukocyte Memory

LOCATION: Bayshore Grand Ballroom Salon A&B

Chair: Daniel Irimia, *Harvard University*

Co-Chair: Name, *Institution*

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

Plus 4 selected talks

CS 8- Best of Journal of Leukocyte Biology

LOCATION: Bayshore Grand Ballroom Salon C

Introduction of Articles, Luis Montaner, *The Wistar Institute*

10:45am **Δ^9 -Tetrahydrocannabinol attenuates allogeneic host-versus-graft response and delays skin graft rejection through activation of cannabinoid receptor 1 and induction of myeloid-derived suppressor cells**, Mitzi Nagarkatti, *University of South Carolina School of Medicine*.

11:15am **Tumor-reactive immune cells protect against metastatic tumor and induce immunoediting of indolent but not quiescent tumor cells**, Kyle Payne, *The Wistar Institute*.

11:45am **Myeloid-derived suppressor cells regulate T cell and B cell responses during autoimmune disease**, Peng Liu, *University of North Carolina at Chapel Hill*.

12:15 -2:15pm Poster Session II - Lunch

LOCATION: Bayshore Grand Ballroom Salon D, E, F

Join poster presenters for lunch in this poster presentation session.

2:15 – 2:45pm Member Business Meeting and Presidential Award Announcements

LOCATION: Bayshore Grand Ballroom Salon A&B

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

LOCATION: Bayshore Grand Ballroom Salon A&B

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

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

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

4:15 to 4:30 pm Coffee Break

LOCATION: Bayshore Foyer

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

LOCATION: Bayshore Grand Ballroom Salon A&B

4:30pm **Dynamic programming and memory of innate leukocytes in acute and chronic diseases**, Liwu Li, *Virginia Tech*

5:00 pm **Gastrointestinal response to alcohol and trauma**, Mashkoor Choudhry, *Loyola University*

5:30pm **Talk Title TBA**, Hong Wang, *Temple University School of Medicine*

6:15 – 9:30pm SLB Council and Committee Meeting

By invitation only