

**PROGRAM DRAFT**  
Annual Meeting of The Society for Leukocyte Biology  
“Inflammation in Innate and Adaptive Immune Mechanisms”

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October 28 – 30, 2012

Hilton Grand Wailea Resort, Maui, Hawaii  
**Organizers: Tom Hamilton and Xiaoxia Li**

**Saturday, October 27th**

**8:00 am - 2:00 pm** Satellite Symposium  
**Alcohol and Immunology: Receptors and Signal Transduction** Chair: Elizabeth J. Kovacs  
*Hosted by the Alcohol and Immunology Research Interest Group (AIRIG)*

**Sunday, October 28th**

**7:00 am-8:15 am** Networking Breakfast

**7:00 am-8:15 am** Street Smarts of Science: A Survival Guide for Graduate Students

**8:15-10:00 am** Welcome and Plenary I: Innate Immune Recognition Mechanisms and Host Defense

**8:30 am** Cytosolic Surveillance: Sensing, Signaling and Regulatory Mechanisms  
Kate Fitzgerald, *Univ. of Mass. Medical School*

**9:00 am** Phagocytosis & Inflammatory Signaling: What's the Connection?  
David Underhill, *Cedars-Sinai Med. Center/UCLA*

**9:30 am** Biochemical Characterization of DNA/RNA Sensors in the Innate Immune System  
Yong-Jun Liu, *Baylor Research Institute*

**10:00-11:00 am** Poster Session A / Coffee Break

**11:00-1:00 pm** CS 1: Host-Pathogen Interactions

**11:00 am** IL-23 in the Generation and Function of Th17 Memory  
Mandy McGeachy, *University of Pittsburgh*

PLUS One featured abstract and four selected talks

**11:00-1:00 pm** CS 2: B lymphocytes in Immune Regulation and Autoimmunity

**11:00 am** Innate Immune Activation of Autoreactive B cells  
Ann Marshak-Rothstein, *Univ. of Mass. Med.*

PLUS One featured abstract and four selected talks

**1:00-2:00 pm** Lunch on Your Own

**2:00-3:30 pm** SLB Presidential Nominees: Junior Faculty/Post-doc and Student Finalists

**3:30 - 4:00 pm** Coffee Break

**4:00- 5:00 pm** Senior Level Awards  
Jean Thorbecke, Dolph Adams, and Women & Diversity Paper of the Year Award talks

**5:00 - 6:00 pm** Keynote Bonazinga Award Lecture

**6:00 pm-7:00 pm** Opening Reception

**Monday, October 29th**

**7:00 am-8:30 am** Networking Breakfast

**7:00 am-8:30 am** How to Write Your First Grant Application *Sponsored by the SLB Professional Development Committee*  
Session Chair: Julian G. Cambrono

**8:30-10:00 am** Plenary II: Inflammasomes

**8:30 am** The NLR Family of Immune Sensors  
Jenny Ting, *University of North Carolina*

**9:00 am** The Inflammasome: Role in Host Defense and Disease  
Gabriel Nunez, *University of Michigan*

**9:30 am** The Inflammasome and Autoinflammation  
Hal Hoffman, *UCSD*

**10:00-11:00 am** Poster Session B / Coffee Break

**11:00 am- 1:00 pm** CS 3: Cytokine Signaling and Inflammation

**11:00 am** The Role on ITAM Signaling Receptors in Macrophage Development and Function

Marco Colonna, *Wash. Univ. School of Medicine*

PLUS One featured abstract and four selected talks

**11:00 am- 1:00 pm** CS 4: Dendritic Cell and Macrophage Regulation

**11:00 am** Systems Vaccinology  
Bali Pulendran, *Emory University*

PLUS One featured abstract and four selected talks

**1:00 pm to 2:00 pm** Lunch on Your Own

**2:00 – 3:30 pm** Plenary III: Myeloid Cell Populations in Cancer: The Link with Inflammation

**2:00 pm** Regulation of Macrophage Functional Phenotype in the Tumor Microenvironment  
Jill Suttles, *Univ of Louisville School of Medicine*

**2:30 pm** Regulation of Myeloid-Derived Suppressor Cells Expansion and Function in Cancer  
Dimitry Gabrilovitch, *Moffitt Cancer Center*

**3:00 pm** Inflammation and Oxidative Stress Drive Immune Suppression in the Tumor Microenvironment  
Suzanne Ostrand Rosenberg, *UMBC*

**3:30- 4:00 pm** Member Business Meeting and Presidential Award Announcements

**4:00 to 5:00 pm** Poster Session C / Coffee Break

**5:00 to 7:00 pm** CS 5: Treg and Th17 Cells in Host Defense and Autoimmunity

**5:00 pm** IL-17 Family Cytokines in Inflammation and Cancer  
Chen Dong, *UT MD Anderson Cancer Center*

PLUS One featured abstract and four selected talks

**5:00 to 7:00 pm** CS 6:  $\gamma\delta$ T, NK, NKT cells

**5:00 pm** The Original Innate Lymphocyte - Unique and Common Pathways Regulating NK Cell Responses  
Christine Biron, *Brown University*

PLUS One featured abstract and four selected talks

**7:00 -9:00 pm** Social Mixer

**Tuesday, October 30th**

**7:00 am-8:30 am** Networking Breakfast

**7:00 am-8:30 am** Women and Diversity Workshop  
*Hosted by the SLB Women and Diversity Committee*

**8:30 am-10:00 am** Plenary IV: Epithelium: The Interplay Between Innate and Th2 Immunity

**8:30 am** IL-25 Signaling in Th2 Responses  
Xiaoxia Li, *Cleveland Clinic*

**9:00 am** Innate Helper Type-2 Cells in Allergic Immune Responses  
Richard Locksley, *Univ. of CA, San Francisco*

**9:30 am** Regulation by innate lymphoid cells in the lung  
Dale Umetsu, *Children's Hospital Boston*

**10:00-11:00 am** Poster Session D / Coffee Break

**11:00-1:00 pm** CS 7: Micro RNA and Post-transcriptional Regulation in Inflammatory Response

**11:00 am** The Role of tRNAs in Post-Transcriptional Control  
Paul Anderson, *Brigham and Women's Hospital*

PLUS One featured abstract and four selected talks

**11:00-1:00 pm** CS 8: Neuroimmunology

**11:00 am** Sculpting Complement as a Therapeutic Strategy in Neurodegenerative Disorders  
Andrea Tenner, *Univ. of CA, Irvine*

PLUS One featured abstract and four selected talks

**1:00 pm - 2:00 pm** Lunch on Your Own

**2:30-4:00 pm** Plenary V: Metabolism in Immune Regulation

**2:30 pm** Regulation of T cell Differentiation and Function by mTOR  
Jonathan Powell, *Johns Hopkins School of Med.*

**3:00 pm** Lymphocyte Metabolism in CD4 T Cell Subsets  
Jeff Rathmell, *Duke University Medical Center*

**3:30 pm** Immune Regulation by Tryptophan Metabolism  
Andrew Mellor, *Georgia Health Sci. University*