Tri-Society Annual Conference 2009 of the Society for Leukocyte Biology, International Cytokine Society, & International Society for Interferon and Cytokine Research

Cellular and Cytokine Interactions in Health and Disease

October 18-21, 2009 Lisbon Convention Center Lisbon, Portugal

Meeting Chair: Luis Montaner

Executive Committee: Scott Durum, Luis Montaner and Michael Tovey

Organizers: Ana Costa-Pereira, Thomas Decker, David Levy, Alberto Mantovani, Michael Parkhouse, Giorgio Trinchieri

and Rui Victorino

(Note: The code preceding the title indicates its location in the Abstract Book. If no code appears, there is no abstract provided.)

Sunday, October 18th

11:00 AM - 5:30 PM	Registration – Ground Floor Foyer
12:30 PM – 2:15 PM	SLB Presidential Awards Presentations - Auditorium 1 Chairs: Matthew Fenton and William Nauseef
12:30 – 12:45 PM	Introduction Matthew Fenton and William Nauseef
	POST – DOC AND JUNIOR FACULTY FINALISTS
12:45 – 1:00 PM	(SLBAW1-A) c-Myc Triggers Macrophage Alternative Activation and Controls Macrophage Activity and Survival in Tumour Oscar Pello, Istituto Clinico Humanitas, Milano, IT
1:00 – 1:15 PM	(SLBAW1-B) Granule Exocytosis Contributes to TNF-Alpha and PAF-Induced Priming in Human Neutrophils Silvia M. Uriarte, <i>University of Louisville, Louisville, KY, USA</i>
1:15 – 1:30 PM	(SLBAW1-C) Heightened Activation of Plasmacytoid Dendritic Cells and Increased NK Activity in HIV-1 Exposed, Uninfected Intra-venous Drug Users Costin Tomescu, <i>The Wistar Institute, Philadelphia, PA, USA</i>
	STUDENT FINALISTS
1:30 – 1:45 PM	(SLBAW2-A) A Diffusion Barrier in the Plasma Membrane During the Closure Stage of Macropinocytosi Timothy P. Welliver, <i>University of Michigan</i> , Ann <i>Arbor</i> , <i>MI</i> , <i>USA</i>
1:45 – 2:00 PM	(SLBAW2-B) Long Range Genomic Cytokine-Receptor Interaction Regulates Gene Expression Chrysoula Deligianni, IMBB-FORTH, Heraklion, GR
2:00 – 2:15 PM	(SLBAW2-C) Soluble Human CXCR2: Structure, Properties, Bioactivity Kanstantsin Katlinski, The Research Center for Hematology & Transfusiology, Minsk, BY
2:20 PM - 5:30 PM	Plenary Award Session - Auditorium 1 Chairs: Eleanor Fish, Scott Durum, William M. Nauseef, and John Sims

2:20 – 2:25 PM	Awards and Recognitions Introduction: Luis Montaner
2:25 – 2:35 PM	Tri-Society Recognition of Joe Oppenheim: Scott Durum
2:35 – 2:50 PM	G. Jeanette Thorbecke Award, SLB: William Nauseef Julie Margarian Blander, Mount Sinai School of Medicine, New York, NY, USA
2:50 – 3:10 PM	ISICR Awards Presentations: Robert Silverman Honorary Membership – Sidney Grossberg and Charles Weissmann 2009 Seymour & Vivian Milstein Award – Glen Barber and Peter Staeheli 2009 Milstein Young Investigator Award – Hiroki Ishikawa, Xiao-Ling Li, Niamh Mangan, Ramtin Rahbar, Benjamin Tenover 2009 Christina Fleischmann Award - Caini Liu 2009 Outgoing President – Eleanor Fish
3:10 – 3:30 PM	ICS Awards Presentations: John Sims Outstanding Scholar Awards: First Place – Frank van de Veerdonk, Second Place – Swaidani Shadi, Third Place – Jamie Flammer, Fourth Place – Christoph Menzel Post-Doctoral Investigator Award: First Place – Julie Ribot, Second Place – Tracy Putoczki, Third Place – Annalisa Camporeale, Fourth Place – Tilmann Buerckstuemmer Young Investigator Award: First Place – Tao Lu, second Place – Bruno Silva-Santos, Third Place – Yasuo Yoshioka
3:30 – 4:00 PM	Introduction of ICS Lifetime Achievement Award: John Sims ICS – Lifetime Award Lecture, Nancy Ruddle, <i>Yale University School of Medicine, New Haven, CT, USA</i> - (<i>PP2-099</i>) Lymphotoxin: From Inflammation to Lymphoid Organs and Back
4:00 – 4:30 PM	Introduction of ISICR – Milstein Award Lecture I: Eleanor Fish ISICR Milstein Award Lecture: Glen N. Barber Affiliation TBA – Innate Immune Signaling Pathways that Regulate Type I Interferon Production
4:30 – 5:00 PM	Introduction of ISICR – Milstein Award Lecture II: Michael Tovey ISICR Milstein Award Lecture, Peter Staeheli, <i>University of Freiburg, Freiburg, DE</i> – Role of IFN and Mx genes in Influenza Virus Defense
5:00 – 5:30 PM	Introduction of SLB Bonazinga Award: William Nauseef SLB – Bonazinga Award Lecture, Peter Ward, <i>University of Michigan Medical School, Ann Arbor, MI, USA</i> – Molecular Determinants of Sepsis
4:30 PM - 8:30 PM	Exhibits – Pavilion 4
5:30 PM – 7:30 PM	Joint Plenary Session 1: <u>Opening Keynote Lectures</u> - Auditorium 1 Chairs: Scott Durum and Luis Montaner
5:30 – 6:10 PM	(PL1-1) Requirement For Mature T Cells, Type I Interferon and STAT1 in Negative T Cell Selection Michael David, UCSD, CA, USA
6:10 – 6:50 PM	(PL1-2) Tracking Cytokine Expression in vivo: Getting to the Root of the Matter Richard Locksley, UCSF, CA, USA
6:50 – 7:30 PM	(PL1-3) Interchromosomal Cytokine Gene Expression Charalampos G. Spilianakism, <i>Institute</i> of <i>Molecular Biology and Biotechnology, GR</i>
7:30 PM – 8:30 PM	Opening Reception - Pavilion 4

Monday, October 19th

7:30 AM – 5:00 PM	Registration – Ground Floor Foyer
8:30 AM - 6:30 PM	Exhibits – Pavilion 4
8:00 AM - 9:30 AM	Joint Plenary Session 2: <u>Pattern Recognition Receptors & Inflammation</u> - Auditorium 1 Chairs: Luke O'Neill and Leon Platanias Sponsored by PBL Interferon Source
8:00 – 8:30 AM	(PL2-1) Zc3h12a , a Negative Regulator in the TLR Response Shizuo Akira, Osaka University, Osaka, Japan
8:30 – 9:00 AM	(PL2-2) Activation of an Antiviral Program through the Cytoplasmic Recognition of Non-Self RNA Patterns by RLR Takashi Fujita, <i>Kyoto University, Kyoto, JP</i>
9:00 – 9:30 AM	(PL2-3) The Inflammasome Jurg Tschopp, Universite de Lausanne, Epalinges, CH
9:30 AM - 10:00 AM	Coffee Break - Pavilion 4 Sponsored by Invitrogen
10:00 AM – 12:00 PM	Concurrent Basic Science Symposia 1: <u>Immunoregulation I</u> - Auditorium 1 Chairs: Richard Locksley and Rachel Caspi
10:00 – 10:30 AM	(CBSS1-1) IL-35 and Regulatory T Cell Function Dario Vignali, St. Judes Children's Research Hospital, Memphis, TN, USA
10:30 – 11:00 AM	Modulating Vaccine Responses with Innate Immunity Bali Pulendran, <i>Emory Vaccine Center, Atlanta, GA, USA</i>
11:00 – 11:30 AM	(CBSS1-3) The Transcription Factor XBP1 Regulates Hepatic Lipogenesis, Immunity and Inflammation Laurie Glimcher, Harvard School of Public Health, Boston, MA, USA
Selected Talks	
11:30 – 11:45 AM	(CBSS1-4) A Critical Function of TGF-beta in the Generation of Adaptive and Natural CD4+Foxp3+ Regulatory T Cells Wanjun Chen, NIDCR/NIH, Bethesda, MD, USA
11:45 – 12:00 PM	(CBSS1-5) Dual Function for a Vision-Related Molecule: Retinoic Acid in the Eye May Contribute to Ocular Immune Privilege by Inducing T Regulatory Cells Rachel R Caspi, NIH, Bethesda, MD, USA
10:00 AM - 12:00 PM	Concurrent Basic Science Symposia 2: <u>Inflammation and Cancer</u> - Auditorium 2 Chairs: Thomas Decker and Giorgio Trinchieri Sponsored by Meso Scale Discovery
10:00 – 10:30 AM	Inflammation as an Inducer of Tumor-Induced Immune Suppression Suzanne Ostrand-Rosenberg, <i>University of Maryland, Baltimore, MD, USA</i>
10:30 – 11:00 AM	(CBSS2-2) Protumor Immunity and Breast Cancer Development Lisa Coussens, <i>UCSF, CA, USA</i>
Selected Talks	
11:00 – 11:15 AM	(CBSS2-3) GRIM-19: A Novel Growth Regulator that Inhibits STAT3 and Beyond Dhan V. Kalvakolanu, <i>University of Maryland School of Medicine, Baltimore, MD, USA</i>

11:15 – 11:30 AM	(CBSS2-4) IL-11 Mediated STAT3 Activation in Inflammation and Cancer Tracy Putoczki (Award Recipient), Ludwig Institute for Cancer Research, Melbourne, AU
11:30 – 11:45 AM	(CBSS2-5) Origin, Phenotype and Function of Monocyte/Macrophage Subsets in Distinct Mammary Tumor Microenvironments Jo A. Van Ginderachter, <i>VIB-Vrije Universiteit Brussel, Brussels</i> , <i>BE</i>
11:45 – 12:00 PM	(CBSS2-6) Interferon-Alpha Boosts Anti-Tumor Immunity Through Effects on T Cells and Dendritic Cells and Augments the Clinical Efficacy of Regulatory T Cell Depletion Tyler J. Curiel, CTRC, San Antonio, TX, USA
10:00 AM - 12:00 PM	Concurrent Immunopathogenesis Symposia 1: Immunopathogenesis I - Pavilion 5 A&B Chairs: Nancy Reich and Michael Parkhouse
10:00 – 10:40 AM	(CIS1-1) Viral Pathogenesis and Interactions with Toll-Like Receptors : HIV Maureen M. Goodenow, <i>University of Florida College of Medicine, Gainesville, FL, USA</i>
10:40 – 11:20 AM	Viral pathogenesis and interactions with Toll-like Receptors: CMV Mariapia Degli-Esposti, Lions Institute Centre for Experimental Immunology, CITY, AU
11:20 – 12:00 PM	(CIS1-3) TLR Recognition of Self Nucleic Acids Hampers Glucocorticoids Anti-Inflammatory Activity in Lupus Franck Barrat, Dynavax Technology Corporation, Berkeley, CA, USA
12:00 PM – 1:30 PM	Lunch on your own
1:30 PM – 3:00 PM	Joint Plenary Session 3: Anti-Tumor Immunity - Auditorium 1 Chairs: Eleanor Fish and Ana Costa-Pereira
1:30 – 2:00 PM	(PL3-1) Role of Myeloid Cells and Inflammation in Cancer Progression and Metastasis Michael Karin, UCSD, La Jolla, CA, USA
2:00 – 2:30 PM	Innate and Adaptive Inflammation in Prostate Cancer Charles (Chuck) Drake, John Hopkins University, MD, USA
2:30 - 3:00 PM	Late Breaking Abstract: Detection and Immune Correlates of an Infectious Retrovirus, XMRV, in Blood Cells of Patients with Chronic Fatigue Syndrome and Cancer Judy Mikovits, <i>University of Nevada, Reno, NV, USA</i>
3:00 PM - 3:30 PM	Coffee Break - Pavilion 4 Sponsored by Amgen
3:30 PM - 6:00 PM	Concurrent Basic Science Symposia 3: <u>Gene Activation</u> - Auditorium 1 Chairs: Tom Hamilton and Ana Gamero
3:30 – 4:00 PM	(CBSS3-1) IKK/NK-kappaB Signaling in Chronic Inflammation Manolis Pasparakis, <i>University of Cologne, Cologne, DE</i>
4:00 – 4:30 PM	Transcriptional and Epigenetic Regulation of Helper T Cell Differentiation John O'Shea, <i>NIAMS/NIH, MD, USA</i>
4:30 – 5:00 PM	New Mechanisms in the Interferon-Gamma Signaling Network Rod Bremner, <i>University of Toronto, Toronto, CA</i>

Selected Talks:

5:00 – 5:15 PM	(CBSS3-4) Inhibition of Dynamin-Dependent Endocytosis Interferes with Type III IFN Expression in Bacteria-Infected Human Dendritic Cells Taija E. Pietilä, National Institute for Health and Welfare, Helsinki, FI
5:15 – 5:30 PM	(CBSS3-5) Regulation of c-maf by IL-2 Susan John, Kings College London, London, UK
5:30 – 5:45 PM	(CBSS3-6) Single-Stranded RNA Viruses Inhibit P53 Transcriptional Activity by Post Translational Activation of Δ NP63 Christophe Lallemand, CNRS, Paris, FR
5:45 – 6:00 PM	(CBSS3-7) Interferon Signaling is Activated in Response to DNA Damage Nancy Reich, Stony Brook University, Stony Brook, NY, USA
3:30 PM - 6:00 PM	Concurrent Immunopathogenesis Symposia 2: Immunopathogensis II - Auditorium 2 Chairs: Michele Somes Swanson and Lee-Ann H. Allen Sponsored by Celgene
3:30 – 4:00 PM	Immune Responses in Experimental Human Malaria Infections Robert W. Sauerwein, NCLMS-Medial Microbiology, Nijmegen, NL
4:00 – 4:30 PM	(CIS2-2) Dendritic Cell-Derived Notch Ligand, Delta-Like 4, Regulates the Immune Environment via TLR9 during Mycobacterial Challenge Steven L. Kunkel, <i>University of Michigan Medical School, Ann Arbor, MI, USA</i>
Selected Talks:	
4:30 – 4:45 PM	(CIS2-3) p53 Regulates TLR3 Expression and Function in Human Epithelial Cells Manabu Taura, <i>Graduate School of Pharmaceutical Sciences, Kumamoto University, Kumamoto, JP</i>
4:45 – 5:00 PM	(C/S2-4) The Anti-Inflammatory Cytokine IL-10 Inhibits miR-155 in Response to Toll-like Receptor Signaling Claire E. McCoy, <i>Trinity College Dublin, Dublin, IE</i>
5:00 – 5:15 PM	(C/S2-5) Activation of NK Cells in vivo Following Leishmania Infection Requires Myeloid Dendritic Cells, TLR9 and a Unique Set of Cytokines Ulrike Schleicher, University Hospital Erlangen, Erlangen, DE
5:15 – 5:30 PM	(CIS2-6) A Medium-Throughout, Microplate-Based ex vivo Model for Measuring Intramacrophage Growth of Mycobacterium Tuberculosis Daniel Eklund (SLB Travel Award Recipient), Linköping University, Linköping, SE
5:30 – 5:45 PM	(C/S2-7) NLRP3 Inflammasome in Malaria: Role of Hemozoin-Induced Signaling on Inflammasome Activation Marina Tiemi Shio, McGill University, Montreal, CA
5:45 – 6:00 PM	(C/S2-8) Subversion of Human CD4+CD25+ Regulatory T Cells to IL-17-Producing T Cells by an Inflammatory Milieu Behdad Afzali, Kings College London, London, UK
3:30pm-6:00pm	Concurrent Immunopathogenesis Symposia 3: <u>Pathogen Manipulation of Cytokine</u> <u>Responses</u> - <i>Pavilion 5 A&B</i> Chairs: <i>Eleanor Fish</i> and <i>Christopher Karp</i>
3:30 – 4:00 PM	(CIS3-1) The IL-6/12 Family in Resistance to Infection Chris Hunter, <i>University of Pennsylvania, Philadelphia, PA, USA</i>
4:00 – 4:30 PM	(CIS3-2) Virus Manipulation of the Interferon Response Steve Goodbourn, <i>St. Georges's University, London, UK</i>

Selected Talks	
4:30 – 4:45 PM	(CIS3-3) Inhibition of Type I Interferon Transcription by IRF3/7 Sumoylation Keiko Ozato, NICHD, NIH, Bethesda, MD, USA
4:45 – 5:00 PM	(CIS3-4) Interferon and Influenza Viruses: The Yin and Yang of Survival Eleanor N. Fish, Toronto General Research Institute, Toronto, CA
5:00 – 5:15 PM	(CIS3-5) Microbial Immune Evasion Through Exploitation of Macrophage Pattern-Recognition Receptors George Hajishengallis, <i>University of Louisville , Louisville, KY, USA</i>
5:15 – 5:30 PM	(CIS3-6) A Novel Function of the Crohn's Disease–Associated NOD2Mutant 1007fs in the Regulation of Human IL10 Gene Transcription Xiaojing Ma, Weill Medical College of Cornell University, New York, NY, USA
5:30 – 5:45 PM	(CIS3-7) V Protein-Mediated Block of MX Transcription is Essential for Morbillivirus Virulence Nicholas Svitek, INRS-Institut Armand-Frappier, Quebec, CA
5:45 – 6:00 PM	(CIS3-8) C1q Enhances Phagocytosis of Mycobacterium Avium through a Pertussis Toxin Sensitive Pathway Suzanne S. Bohlson, <i>Indiana University School of Medicine, South Bend, IN, USA</i>
6:00 PM - 8:30 PM	Focus Workshop: A Spotlight on: Interferon-lambda (IL-29) – Pavilion 5 A&B Chairs: Raymond Donnelly and Eleanor Ramos Sponsored by Bristol Myers Squibb
6:00 – 6:20 PM	Introduction and Brief Overview of IFN-lambda/IL-29 Raymond Donnelly, Center for Drug Evaluation & Research, FDA, Bethesda, MD, USA
6:20 – 6:45 PM	IFN-lambda is Functionally an Interferon but Structurally More Related to the IL-10 Family Rune Hartmann, <i>University of Aarhus, Aarhus, Denmark</i>
6:45 – 7:10 PM	What Have He Learned From the IL-28R Knock-Out Mouse?
Germany	Markus Mordstein and Peter Staeheli (Award Recipient), University of Freiburg, Freiburg,
7:10 – 7:35 PM	Expression and Function of Type III IFNs During Viral Infection in vitro and in vivo Søren Paludan, University of Aarhus, Aarhus, DK
7:35 – 8:00 PM	Mechanisms of IFN-lambda Antiviral Activity Against HBV and HCV Michael Robek, Yale University School of Medicine, New Haven, CT, USA
8:00 – 8:30 PM	Preclinical and Clinical Development of Pegylated-IFN-lambda Eleanor Ramos, Zymogenetics, Inc. Seattle, WA, USA
7:30 PM-10:00 PM	Student/Post-Doc Mixer – Trindade Sponsored by The Society for Leukocyte Biology (SLB)

8:00 AM - 5:00 PM 8:30 AM - 6:30 PM	Registration – Ground Floor Foyer Exhibits – Pavilion 4
8:00 AM - 9:30 AM	Joint Plenary Session 4: New T-helper Subsets - Auditorium 1 Chairs: Warren Leonard and Elizabeth J. Kovacs Sponsored by Biogen Idec, Inc.
8:00 – 8:30 AM	(PL4-1) Role of Microbiota and Transcription Factors in Control of Th17 Cell Differentiation Dan Littman, NYU School of Medicine, New York, NY, USA
8:30 – 9:00 AM	Control of Immune-Mediated Inflammation by Regulatory T Cells Sasha Rudensky, University of Washington School of Medicine Immunology, WA, USA
9:00 – 9:30 AM	IL-10 Producing Th I Cells Anne O'Garra, The National Institute for Medical Research, London, UK
9:30 AM – 10:00 AM	Coffee Break - Pavilion 4 Sponsored by Biomonitor
10:00 AM – 12:00 PM	Concurrent Basic Science Symposia 4: Signaling Session I - Auditorium 1 Chairs: Martha Cathcart and John Schrader
10:00 – 10:30 AM	(CBSS4-1) Structural and Functional Analyses of Protein Complexes in Immune and Inflammatory Pathways Hao Wu, Weill Cornell Medical College, New York, NY, USA
10:30 – 11:00 AM	(CBSS4-2) Transcriptional Control of Dendritic Cell Development and Homeostasis Boris Reizis, <i>Columbia University Medical Center, New York, NY, USA</i>
Selected Talks	
11:00 – 11:15 AM	(CBSS4-3) Essential Regulatory Role of NOX2 in RIG-I-Mediated Innate Immune Responses Nathalie Grandvaux, <i>University of Montreal, Montreal, CA</i>
11:15 – 11:30 AM	(CBSS4-4) Regulation of NFkB by NSD1/FBXL11-Dependent Reversible Lysine Methylation of p65 Tao Lu (Award Recipient), Cleveland Clinic Foundation, Cleveland, OH, USA
11:30 – 11:45 AM	(CBSS4-5) TRAF3 Recruitment to Sec16A and p115 Reveals a New Role for the ER-TO-GOLGI Transport Compartments in Innate Immunity Marc Servant, Université de Montréal, CA
11:45 – 12:00 PM	(CBSS4-6) Tank is a Negative Regulator of TLR Signaling and Critical for Preventing Autoimmune Nephritis Osamu Takeuchi, IFReC, Osaka University, Suita, JP
10:00 AM - 12:05 PM	Concurrent Special Symposia 1: <u>IFN in the Clinic: Immunotherapy of Multiple Sclerosis</u> - Auditorium 2 Chairs: Michael Tovey and John Hiscott Sponsored by Bayer Schering Pharma AG add others
10:00 – 10:25 AM	Role of Interferons in the Pathogenesis of Autoimmune Disease Anthony Coyle, Medlmmune, Gaithersburg, MD, USA
10:25 – 10:50 AM	(CSS1-2) Pharmacokinetic, Pharmacodynamic, and Safety Profiles of Pegylated Interferon Beta-1A in Healthy Volunteers: Results from Two Phase 1 Clinical Studies Darren Baker, Biogen Idec, Cambridge, MA, USA

10:50 – 11:15 AM	(CSS1-3) Clinical Significance of Antibodies to Interferon beta Therapy in Patients with
	Relapsing-Remitting Multiple Sclerosis Klaus Bendtzen, <i>Rigshospitalet University Hospital,</i> Copenhagen, DK
11:15 – 11:40 AM	(CSS1-4) Translational Approaches and Patient Profiling to Identify Relevant Biomarkers of Interferon beta Activity in MS Ed Croze, Bayer HealthCare Pharmaceuticals, Inc., Richmond, CA, USA
11:40 – 12:05 PM	(CSS1-5) Natalizumab Therapy of MS Michael Hutchinson, <i>St Vincent's University Hospital, Dublin, IE</i>
10:00AM - 12:00 PM	Concurrent Special Symposia 2: Recent Advances - Pavilion 5 A&B Chairs: Howard Young and TBA
Selected Talks	
10:00 – 10:15 AM	(CSS2-1) Thymic CD70-CD27 Signals Promote the Differentiation of ab and gd T Cell Subsets Julie C. Ribot (Award Recipient), <i>Instituto de Medicina Molecular, Lisbon, PT</i>
10:15 – 10:30 AM	(CSS2-2) Characterization of a New Population of CD4+ Innate Spleen Cells that Produce IL-22 During Inflammatory Processes Laure Dumoutier, <i>Universite Catholique de Louvain</i> , Brussels, BE
10:30 – 10:45 AM	(CSS2-3) Caspase-8 Regulates Cellular Response to Pattern Recognition Receptors and Prevents Spontaneous Triggering of Chronic Inflammation by their Endogenous Activators David Wallach, Weizmann Institute of Science, Rehovot, IL
10:45 – 11:00 AM	(CSS2-4) TGF-β1 Signals TIAF1 Self-Association, Amyloid Superinduction and Apoptosis Nan-Shan Chang, <i>National Cheng Kung University Medical College, Tainan, TW</i>
11:00 – 11:15 AM	(CSS2-5) Genetic Variants and Disease-Associated Factors Contribute to IRF-5 Expression in Primary Blood Cells of SLE Patients Betsy J. Barnes, <i>University of Medicine and Dentistry of New Jersey, Newark, NJ, USA</i>
11:15 – 11:30 AM	(CSS2-6) Acute T Cell Leukemia: An in vivo Struggle Between HTLV-1-Production and Type 1 Interferon Production Francis Ruscetti, NCI Laboratory of Experimental Immunology, Frederick, MD, USA
11:30 – 11:45 AM	(CSS2-7) T Cell Receptor Agonist and Tumor Biomarkers For Gamma-Delta T-Cell-Based Immunotherapy of Lymphomas and Leukemias Bruno Silva-Santos (Award Recipient), Instituto de Medicina Molecular, Lisbon, PT
11:45 - 12:00 PM	(CSS2-8) Intracellular Inhibitors of Cysteine Cathepsins in Activated Macrophages Natasa Kopitar-Jerala, Institute Jozef Stefan, Ljubljana, SI
10:00 AM – 12:15 PM	Concurrent Basic Science Symposia 5: Immunoregulation II – Pavilion 5 C Chairs: David Artis and Anne O'Garra Sponsored by PBL Interferon Source
Selected Talks	
10:00 – 10:15 AM	(CBSS5-1) Immediate Mediators of the Inflammatory Response are Poised for Rapid Gene Activation Through RNA Polymerase Stalling Inez Rogatsky, HSS and Weill Cornell, New York, NY, USA
10:15 – 10:30 AM	$(CBSS5-2)$ LOX-1 as Natural IFN- $f\tilde{N}fn$ Mediated Signal for Apoptotic Cell Uptake and Antigen Presentation in Dendritic Cells Filippo Belardelli, <i>Istituto Superiore di Sanita</i> , <i>Rome, IT</i>

10:30 – 10:45 AM	(CBSS5-3) Novel Gene Expression Patterns in IFN-GAMMA 3'Untranslated Region Au-Rich Element-Deleted Mice Deborah L. Hodge, NCI/CCR, Frederick, MD, USA
10:45 – 11:00 AM	(CBSS5-4) The IL-27 P28 Subunit Binds CLF to form a Cytokine Regulating NK and T Cell Activities Requiring IL-6R for Signaling Sandrine Crabé, Université de Montréal, Montreal, CA
11:00 – 11:15 AM	$(CBSS5-5)$ The Type I Interferon (IFN) α Mediates a More Severe Neurological Disease in the Absence of the Canonical Signaling Molecule Interferon Regulatory Factor (IRF) 9 Markus J. Hofer, <i>University of Marburg, Marburg, DE</i>
11:15 – 11:30 AM	(CBSS5-6) Unc93 Homolog B1 Regulates the Balance of Toll-Like Receptor 7 and Toll-Like Receptor 9 Responses Reciprocally in Dendritic Cells Ryutaro Fukui, The Institute of Medical Science, The University of Tokyo, Tokyo, JP
11:30 – 11:45 AM	(CBSS5-7) Identification of a Novel Antigen Presenting Cell Population Modulating Anti- Influenza Type-2 Immunity Jae-Kwang Yoo, <i>University of Toronto, Toronto, CA</i>
11:45 – 12:00 PM	(CBSS5-8) Antiviral Effects of Cytokines Thomas Lavoie, PBL Interferonsource, Piscataway, NJ, USA
12:00 – 12:15 PM	(PP2-173) Act1: A Novel U-box E3 Ubiquitin Ligase for IL-17R-Mediated Signaling Caini Liu (Award Recipient), Cleveland Clinic, Cleveland, OH, USA
12:15 PM – 1:30 PM	Lunch On Your Own
1:30 PM – 3:00 PM	Concurrent Basic Science Symposia 6: <u>Neutrophil Biology</u> - Auditorium 1 Chair: Marco Cassatella and William Nauseef
1:30 – 2:00 PM	(CBSS6-1) Neutrophils as Active Participants in Cross-Talks with Other Cells of the Immune System Marco A. Cassatella, <i>University of Verona, Verona, IT</i>
1:30 – 2:00 PM Selected Talks	
Selected Talks	System Marco A. Cassatella, <i>University of Verona, Verona, IT</i> (CBSS6-2) Inter-Kingdom Signalling: A Quorum-Sensing Molecule of Pseudomonas Aeruginosa Activates Human Polymorphonuclear Neutrophils (PMN) Gertrud Maria Hänsch,
Selected Talks 2:00 – 2:15 PM	System Marco A. Cassatella, <i>University of Verona, Verona, IT</i> (CBSS6-2) Inter-Kingdom Signalling: A Quorum-Sensing Molecule of Pseudomonas Aeruginosa Activates Human Polymorphonuclear Neutrophils (PMN) Gertrud Maria Hänsch, University of Heidelberg, Heidelberg, DE (CBSS6-3) Functional Cooperation between Fc Gamma Rlla AND Fc Gamma Rlllb on Human
Selected Talks 2:00 – 2:15 PM 2:15 – 2:30 PM	System Marco A. Cassatella, <i>University of Verona, Verona, IT</i> (CBSS6-2) Inter-Kingdom Signalling: A Quorum-Sensing Molecule of Pseudomonas Aeruginosa Activates Human Polymorphonuclear Neutrophils (PMN) Gertrud Maria Hänsch, University of Heidelberg, Heidelberg, DE (CBSS6-3) Functional Cooperation between Fc Gamma Rlla AND Fc Gamma Rlllb on Human Neutrophils Louis Marois, Laval University, Québec, CA (CBSS6-4) A Critical Role of Nitric Oxide in the Resolution of Inflammation Yoshiro Kobayashi,
Selected Talks 2:00 – 2:15 PM 2:15 – 2:30 PM 2:30 – 2:45 PM	(CBSS6-2) Inter-Kingdom Signalling: A Quorum-Sensing Molecule of Pseudomonas Aeruginosa Activates Human Polymorphonuclear Neutrophils (PMN) Gertrud Maria Hänsch, University of Heidelberg, Heidelberg, DE (CBSS6-3) Functional Cooperation between Fc Gamma Rlla AND Fc Gamma Rlllb on Human Neutrophils Louis Marois, Laval University, Québec, CA (CBSS6-4) A Critical Role of Nitric Oxide in the Resolution of Inflammation Yoshiro Kobayashi, Toho University, Funabashi, JP (CBSS6-5) Leishmania Promastigotes Induce the Formation of Neutrophil Extracellular Traps
Selected Talks 2:00 – 2:15 PM 2:15 – 2:30 PM 2:30 – 2:45 PM 2:45 – 3:00 PM	(CBSS6-2) Inter-Kingdom Signalling: A Quorum-Sensing Molecule of Pseudomonas Aeruginosa Activates Human Polymorphonuclear Neutrophils (PMN) Gertrud Maria Hänsch, University of Heidelberg, Heidelberg, DE (CBSS6-3) Functional Cooperation between Fc Gamma Rlla AND Fc Gamma Rlllb on Human Neutrophils Louis Marois, Laval University, Québec, CA (CBSS6-4) A Critical Role of Nitric Oxide in the Resolution of Inflammation Yoshiro Kobayashi, Toho University, Funabashi, JP (CBSS6-5) Leishmania Promastigotes Induce the Formation of Neutrophil Extracellular Traps Albert Descoteaux, Institut Armand-Frappier, Laval, CA Concurrent Basic Science Symposia 7: IFN-Stimulated Genes - Auditorium 2

Selected Talks	
2:30 – 2:45 PM	(CBSS7-3) A Novel Small RNA Regulatory Mechanism Employed by Interferons for Regulating Growth Dhan V. Kalvakolanu, <i>University of Maryland School of Medicine, Baltimore, MD, USA</i>
2:45 – 3:00 PM	(CBSS7-4) Cooperation of Stat and NFkB in the Assembly of a Transcription Competent Initiation Complex Thomas Decker, <i>University of Vienna, Vienna, AT</i>
1:30 PM - 3:00 PM	Concurrent Clinical Symposia: <u>Biological Therapeutics</u> - Pavilion 5 A&B Chairs: Kathy Zoon and John Sims
1:30 – 2:00 PM	(CCS1-1) Interferons and Interferon Antagonists in Disease and Clinical Applications Sergei V. Kotenko, <i>New Jersey Medical School, Newark, NJ, USA</i>
2:00 – 2:30 PM	(CCS1-2) Where are we with Anti-Chemokine Therapies? Amanda Proudfoot, <i>Merck Serono, Geneva, CH</i>
2:30 – 3:00 PM	Developing Safe and Effective Immunotherapy: Lessons from Anti-CD28 Trials (TGN1412) Sir Gordon Duff, <i>University of Sheffield Molecular Medicine, London, UK</i>
1:30 PM – 3:00 PM	Concurrent Immunopathogenesis Symposia 4: <u>Inflammation & Pathogenesis</u> - Pavilion 5 C Chairs: Sanna M. Goyert and Amanda Proudfoot
1:30 – 2:00 PM	(CIS4-1) Immune Modulation by Virus-Encoded Cytokine Binding Proteins Antonio Alcami, Centro de Biologia Molecular Severo Ochoa CSIC-UAM, Madrid, Spain
2:00 – 2:30 PM	(CIS4-2) Molecular Pathogenesis of West Nile Virus Encephalitis Phil Murphy, NIH-LMI/NIAID, Bethesda, MD, USA
2:30 – 3:00 PM	(CIS4-3) Dissecting "Alternative Macrophage Activation": The Role of L-Arginine Metabolism in Chronic Inflammation and Fibrosis Tom Wynn, NIAID-NIH, Bethesda, MD, USA
3:00 PM - 5:00 PM	Poster Session I - Pavilion 4
7:30 PM – 10:30 PM	Conference Banquet National Agronomy Pavilion – Bus service provided from hotels

Wednesday, October 21st

8:00 AM - 2:30 PM	Registration – Ground Floor Foyer
8:30 AM – 2:30 PM	Exhibits – Pavilion 4
8:00 AM – 9:00 AM	Joint Plenary Session 5: The Macrophages in Health and Disease - Auditorium 1 Chairs: David Levy and Alberto Matovani
8:00 – 8:30 AM	(PL5-1) The Macrophage's Dual Role in Health and Disease Siamon Gordon, NCI, SAIC-Frederick, MD, USA
8:30 – 9:00 AM	(PL5-2) Learning Tolerance from Cancer: Lessons from Myeloid-Derived Suppressor Cells Vincenzo Bronte, <i>Universita Degli Studi Di Padova, Padova, IT</i>
9:00 AM - 9:30 AM	Coffee Break – Pavilion 4 Sponsored by BD Biosciences
9:30 AM – 11:30 AM	Concurrent Immunopathogenesis Symposia 5: <u>The Role of Tissue-Specific Macrophages</u> <u>in Chronic Disease Processes</u> - Auditorium 1 Chairs: Joe Oppenheim and Jill Suttles
9:30 – 10:00 AM	(CIS5-1) Mechanisms and Consequences of Macrophage Apoptosis and Efferocytosis in Atherosclerosis Ira Tabas, Columbia University, New York, NY, USA
10:00 – 10:30 AM	(CIS5-2) Regulation of Macrophage Activation and Function by PPARs Ajay Chawla, Stanford University, Stanford, CA, USA
Selected Talks	
10:30 – 10:45 AM	(CIS5-3) Macrophage Effector Function in Anti-Filarial Nematode Immunity is Independent of Arginase 1, Relmα and YM-1 Stephen Jenkins, <i>University of Edinburgh, Edinburgh, UK</i>
	Arginase 1, Neima and Tim-1 Stephen Senkins, Oniversity of Edinburgh, Edinburgh, Ort
10:45 – 11:00 AM	(CIS5-4) Stabilin-1 –Multifunctional Receptor Linking Endocytosis and Secretion in Macrophages Alexei Gratchev, University of Heidelberg, Mannheim, DE
10:45 – 11:00 AM 11:00 – 11:15 AM	(CIS5-4) Stabilin-1 –Multifunctional Receptor Linking Endocytosis and Secretion in
	(CIS5-4) Stabilin-1 –Multifunctional Receptor Linking Endocytosis and Secretion in Macrophages Alexei Gratchev, University of Heidelberg, Mannheim, DE (CIS5-5) Expression of the Inhibitory CD200 Receptor is Associated with Alternative Macrophage Activation Jörg Hamann, Academic Medical Center, University of Amsterdam,
11:00 – 11:15 AM	(CIS5-4) Stabilin-1 –Multifunctional Receptor Linking Endocytosis and Secretion in Macrophages Alexei Gratchev, University of Heidelberg, Mannheim, DE (CIS5-5) Expression of the Inhibitory CD200 Receptor is Associated with Alternative Macrophage Activation Jörg Hamann, Academic Medical Center, University of Amsterdam, Amsterdam, NL (CIS5-6) Control of RSV-Induced Lung Injury by Alternatively Activated macrophages is IL-4Ralpha-, TLR4-, and IFN-beta-dependent Jorge C. Blanco, Virion Systems Inc., Rockville,
11:00 – 11:15 AM 11:15 – 11:30 AM	(CIS5-4) Stabilin-1 –Multifunctional Receptor Linking Endocytosis and Secretion in Macrophages Alexei Gratchev, University of Heidelberg, Mannheim, DE (CIS5-5) Expression of the Inhibitory CD200 Receptor is Associated with Alternative Macrophage Activation Jörg Hamann, Academic Medical Center, University of Amsterdam, Amsterdam, NL (CIS5-6) Control of RSV-Induced Lung Injury by Alternatively Activated macrophages is IL-4Ralpha-, TLR4-, and IFN-beta-dependent Jorge C. Blanco, Virion Systems Inc., Rockville, MD, USA Concurrent Basic Science Symposia 8: Signaling Session II - Auditorium 2

Selected Talks

10:30 – 10:45 AM	(CBSS8-3) Deregulated Activation of Cytokine Signaling by Interleukin-6 (IL-6) in the Pathogenesis of Emphysema Saleela M Ruwanpura, Monash University, Clayton, AU
10:45 – 11:00 AM	(CBSS8-4) IL-22, a TH17 Cytokine, Induces a Systemic Acute Phase Response Lynette A. Fouser, <i>Wyeth Research, Cambridge, MA, USA</i>
11:00 – 11:15 AM	(CBSS8-5) Interleukin-6 Induces Translocation of the Adapter Protein GAB1 by MAPK- Dependent Phosphorylation of GAB1 on SERINE 552 Fred Schaper, RWTH Aachen University, Aachen, DE
11:15 – 11:30 AM	(CBSS8-6) Role of Small RNAS Generated by RNASE L in Signaling Innate Immunity against Hepatitis C Virus Robert H. Silverman, Cleveland Clinic, Cleveland, OH, USA
9:30 AM -11:30 AM	Concurrent Immunopathogenesis Symposia 6: Immunopathogensis III - Pavilion 5 A&B Chairs: Patricia Fitzgerald-Bocarsly and TBA
9:30 – 10:00 AM	(C/S6-1) HIV-1 Escape from Innate Immune Response Domenico Mavilio, <i>Istituto Clinico Humanitas, Milano, IT</i>
10:00 – 10:30 AM	(CIS6-2) Tumor Suppressors in Antiviral Immunity Cesar Munoz-Fontela, <i>Mount Sinai, New York, NY, USA</i>
10:30 – 11:00 AM	Transcriptional Regulation of CD8 T Cell Differentiation During Chronic Viral Infection John Wherry, The Wistar Institute, Philadelphia, PA, USA
Selected Talks	
11:00 – 11:15 AM	(CIS6-4) Alpha-1-Antitrypsin Inhibits Influenza in vitro, Reduces Influenza Disease in vivo, and Genetic Deficiency is a Risk Factor for Human Influenza Infection K. Scott Beard, University of Colorado Denver, Denver, CO, USA
11:15 – 11:30 AM	(C/S6-5) Lethal Viral Infection Results from STAT1 but not STAT2 or IRF9 Deficiency in Mice and is Mediated by CD4+ T-Cells Markus J. Hofer, <i>University of Marburg, Marburg, DE</i>
11:30 AM – 12:30 PM	Lunch On Your Own - Boxed Lunches Available for Purchase at the Bar located near Pavilion 4
	ISICR General Society Meeting – Auditorium 1
	ICS General Society Meeting – Auditorium 2
	SLB General Society Meeting – Pavilion 5 A&B
12:30 PM – 2:30 PM	Poster Session II - Pavilion 4
2:30 PM – 4:30 PM	Concurrent Basic Science Symposia 9: Allergy and Mast Cells - Auditorium 1 Chairs: Matthew Fenton and Keiko Ozato
0.00 0.00 DM	
2:30 – 3:00 PM	(CBSS9-1) Mechanisms of Human Eosinophil Cytokine Secretion Peter Weller, <i>Harvard University, Boston, MA, USA</i>

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Selected Talks

3:30 – 3:45 PM	(CBSS9-3) S100A8 – An Oxidant Scavenger and Immune Modulator in Allergic Inflammation Carolyn L. Geczy, <i>University NSW, Sydney, AU</i>
3:45 – 4:00 PM	(CBSS9-4) T Cell-Specific Act1 Deficiency Leads to Attenuated Cellular and Humoral Allergic Responses Swaidani Shadi (Award Recipient), Cleveland Clinic, Cleveland, OH, USA
4:00 – 4:15 PM	(CBSS9-5) Mast Cell Degranulation Requires Activation of Pl3Kg by PKCb Romy Walser, University of Basel, Basel, CH
4:15 – 4:30 PM	(CBSS9-6) The Antimicrobial Peptides Human beta-Defensins Mediate Secretion of Pruritogenic Factors in Human Mast Cells Francois Niyonsaba, Juntendo University School of Medicine, Tokyo, JP
2:30 PM - 4:30 PM	Concurrent Immunopathogenesis Symposia 7: Sensing of Fungal & Parasitic Infection and Host Response - Auditorium 2 Chairs: Michael Tovey and Christian Bogdan
2:30 – 3:00 PM	(CIS7-1) Sensing Danger Signals and Pathogen-Associated Molecular Patterns Defines Binary Signaling Pathways in Mammalian Response to Fungi Luigina Romani, <i>University of Perugia, Perugia, IT</i>
3:00 – 3:30 PM	Role of beta-glucan in anti-fungal immunity Gordon D. Brown, <i>University of Aberdeen, Aberdeen, UK</i>
Selected Talks	
3:30 – 3:45 PM	(CIS7-3) Vitamin A Derived Retinoic Acid Signaling Mediates Intestinal Immune Homeostasis and Immunity Jason A. Hall, National Institutes of Health/ U Penn Partnership, Bethesda, MD, USA
3:45 – 4:00 PM	(CIS7-4) The Induction of IL-10 by Fungi in Dendritic Cells Depends on CREB Activation by the Coactivators CBP and TORC2 and Autocrine PGE2 Mariano Sánchez Crespo, CSIC, Valladolid, ES
4:00 – 4:15 PM	(CIS7-5) Th17/IL-17 Receptor Signaling and not Th1 Cells are Essential for Mucosal Host Defense Against Oral Candidiasis Sarah L. Gaffen, <i>University of Pittsburgh, Pittsburgh, PA, USA</i>
4:15 – 4:30 PM	(CIS7-6) Origin, Phenotype and Function of Monocyte/Macrophage Subsets in Distinct Mammary Tumor Microenvironments Shinobu Saijo, The University of Tokyo, The Institute of Medical Science, Tokyo, JP
2:30 PM – 4:30 PM	Concurrent Immunopathogenesis Symposia 8: <u>Chronic Inflammatory Disease</u> – Pavilion 5 A&B Chairs: Sir Gordon Duff and Otto Haller
2:30 – 3:00 PM	Cytokines and Innate Immunity in Intestinal Inflammation Fabio Cominelli, <i>University of Virginia, Richmond, VA, USA</i>
3:00 – 3:30 PM	(CIS8-2) Linking Inflammation to Cancer - A Novel Role for Stat3 Matthias Ernst, <i>Ludwig Institute for Cancer Research, Melbourne, AU</i>
3:30 – 4:00 PM	Regulation of Immunity and Inflammation in the Gut David Artis, <i>University of Pennsylvania, Philadelphia, PA, USA</i>
4:00 – 4:30 PM	Regulation of Macrophage Signaling and Function During Chronic Inflammation Lionel Ivashkiv, Cornell University, New York, NY, USA

4:45 PM – 6:15 PM	Joint Plenary Session 6: Closing Keynote Lectures - Auditorium 1 Chairs: Luis Montaner and David Wallach
4:45 – 5:15 PM	Violation of the Sanctity of the Cytosolic Compartment Provokes the Wrath of the Inflammasome Vishva Dixit, Genentech, South San Francisco, CA, USA
5:15 – 5:45 PM	(PL6-2) How Specificity for Self-Peptides Shapes the Development and Function of Regulatory T Cells Andrew Caton, The Wistar Institute, Philadelphia, PA, USA
5:45 – 6:15 PM	T Lymphocyte Trafficking in Immunity and Autoimmunity Federica Sallusto, Institute for Research in Biomedicine, Switzerland