

Scientific Program

MONDAY, 19 JANUARY 2009

08⁴⁰ – 09¹⁰ Symposium delegates Registration

09¹⁰ – 09³⁰ **Conference Opening**

09¹⁰ – 09²⁵ Opening Remarks by Guest of Honor
Prof John WONG
Dean, Yong Loo Lin School of Medicine, Singapore

09²⁵ – 09³⁰ Introduction and Welcome addresses
Prof Mike KEMENY
*President SSI
Professor and Leader of Immunology Program; Head, Department of Microbiology,
National University of Singapore (NUS)*

09³⁰ – 13⁰⁰ **Session 1 : Inflammation and Tolerance**

Chairperson : Prof Mike KEMENY and
*Professor and Leader of Immunology Program; Head, Department of Microbiology,
National University of Singapore (NUS)*

Dr Gijsbert GROTENBREG
National Research Foundation Resp., Department of Microbiology, National University of Singapore (NUS)

09³⁰ – 10⁰⁰ **The role of IL-33 in infectious and inflammatory diseases**
Prof Eddy LIEW
*Gardiner Professor of Immunology; Head of Division, Nitric Oxide and Cytokines in Infection and
Autoimmunity; Director, Glasgow Biomedical Research Centre, United Kingdom*

10⁰⁰ – 10³⁰ **Generation of tolerogenic Dendritic Cells**
A/Prof Christiane RUEDL
Associate Professor, School of Biological Sciences, Nanyang Technological University (NTU), Singapore

10³⁰ – 11⁰⁰ **Coffee Break**

11⁰⁰ – 11³⁰ **Molecular characterization of Macrophage Desensitization: role of differential MyD88/TRIF signalling**
Dr Subhra BISWAS
Principal Investigator, Singapore Immunology Network (SIgN)

11³⁰ – 12⁰⁰ **Anti-inflammatory effects of Sphingosine Kinase Modulation in inflammatory arthritis**
Dr Bernard LEUNG
Assistant Professor, Department of Physiology, National University of Singapore (NUS)

12⁰⁰ – 12³⁰ **Extracellular ATP and immune Suppression by Effector/memory like Treg Cells (TREM)**
Dr Olaf ROTZSCHKE
Principal Investigator, Singapore Immunology Network (SIgN)

12³⁰ – 14⁰⁰ **Lunch + Poster Session I**

14⁰⁰ – 18⁰⁰

Session 2 : Immune Cell Subsets and their Interactions

Chairperson : Prof Paola CASTAGNOLI and

Deputy President SSI

Scientific Director, Singapore Immunology Network (SIgN)

Dr Stephan GASSER

Assistant Professor, Department of Microbiology, National University of Singapore (NUS)

14⁰⁰ – 14³⁰

The dynamic Co-Evolution of memory and regulatory T Cells in humans

Prof Arne AKBAR

Head of Department of Immunology, University College London (UCL), United Kingdom

14³⁰ – 15⁰⁰

Prevention and treatment of atopic Asthma: new concepts and new targets arising from studies in Birth Cohorts

Prof Patrick HOLT

Deputy Director, Telethon Institute for Child Health Research (Faculty of Medicine, Dentistry and Health Sciences) University of Western Australia (UWA)

15⁰⁰ – 15³⁰

STAT3 is a key regulator of Inflammation and Immunity

Prof Xin Yuan FU

Head of Department of Biochemistry, National University of Singapore (NUS)

15³⁰ - 16⁰⁰

Tea Break

16⁰⁰ – 16³⁰

Mutation of a conserved Asparagine in the I-Like Domain promotes constitutive active Integrins $\alpha L \beta 2$ and $\alpha I B \beta 3$

Prof Alex LAW

Acting Chair, School of Biological Sciences, Nanyang Technological University (NTU), Singapore

16³⁰ - 17⁰⁰

Dynamic imaging of Treg-mediated Inhibition of antitumor CD8 + T Cells immune responses

Prof Sebastian AMIGORENA

Head, Immunology and Immunotherapy Program, Curie Institut, Paris, France

17⁰⁰ – 17⁴⁵

Keynote Lecture:

Modulation of immune responses by targeting Dendritic Cell surface molecules

Prof Ken SHORTMAN

Head of Immunology Division, The Walter and Eliza Hall Institute of Medical Research, University of Melbourne (WEHI), Australia

TUESDAY, 20 JANUARY 2009

08³⁰ – 09⁰⁰ Arrivals of Guests

09⁰⁰ – 12⁰⁰ **Session 3 : Infection and Immunity**

Chairperson : Dr Paul MACARY and

Assistant Professor, Department of Microbiology, National University of Singapore (NUS)

Dr Veronique ANGELI

Assistant Professor, Department of Microbiology, National University of Singapore (NUS)

09⁰⁰ – 09³⁰ **T Cell control of viral Infections in man: lessons from Epstein-Barr virus**

Prof Alan RICKINSON

The Division of Cancer Studies, University of Birmingham, United Kingdom

09³⁰ – 10⁰⁰ **Sterile protection against Malaria induced by Vaccination with live Parasites**

Dr Laurent RENIA

Principal Investigator, Singapore Immunology Network (SIgN)

10⁰⁰ – 10³⁰ **Reconstitution of Virus-specific Immunity through TCR-transfer in chronic Hepatitis B**

Dr Antonio BERTOLETTI

Principal Investigator, Singapore Institute for Clinical Sciences (SICS)

10³⁰ – 11⁰⁰ **Coffee Break**

11⁰⁰ – 11³⁰ **Life and death of Mycobacterium Tuberculosis within the Phagolysosome of Macrophages**

Dr Sylvie ALONSO

Assistant Professor, Department of Microbiology, National University of Singapore (NUS)

11³⁰ – 12⁰⁰ **The many tastes of the T-Cell Receptor: fat, drugs and the battle of the Bulge**

Prof James MCCLUSKEY

Head, Department of Microbiology & Immunology, Associate Dean (Research), Faculty of Medicine Dentistry and Health Sciences, The University of Melbourne, Australia

12⁰⁰ – 14⁰⁰ **Lunch + Poster Session**

14⁰⁰ – 17⁰⁰

Session 4 : Antigen Presentation

Chairperson : Prof Philippe KOURILSKY and

Honorary President SSI,

Chairman of Singapore Immunology Network (SIgN)

Prof Klaus Eric KARJALAINEN

Professor, Division of Genomics & Genetics, School of Biological Sciences

Nanyang Technological University, Singapore

14⁰⁰ – 14³⁰

MHC Class I Peptide binding: action in the Peptide loading complex

Prof Peter CRESSWELL

Professor of Immunobiology and Cell Biology and Dermatology Investigator, Howard Hughes Medical Institute, Yale University School of Medicine (YSM), United States of America

14³⁰ – 15⁰⁰

CTLs, Misacyclation, and Supercoding

Dr Jonathan Wilson YEWDELL

Chief, Cellular Biology Section, Laboratory of Viral Diseases, National Institutes of Health Laboratory of Viral Diseases (NIAID), Bethesda, United States of America

15⁰⁰ – 15³⁰

Regulation of Antigen presentation in the Dendritic Cell network

Dr Jose VILLADANGOS

Immunology Division, The Walter and Eliza Hall Institute of Medical Research, University of Melbourne (WEHI), Australia

15³⁰ – 16⁰⁰

Tea Break

16⁰⁰ – 16³⁰

Nitric-oxide Synthase 2-dependent Regulation of CD74 Expression during Dendritic Cell maturation

Dr Siew Heng WONG

Assistant Professor, Department of Microbiology, National University of Singapore (NUS)

16³⁰ – 17⁰⁰

B7-H1 (PD-L1) on T Cells is required for T Cell mediated conditioning of Dendritic Cell maturation

Prof Jianzhu CHEN

Correll Professor, Koch Institute for Integrative Cancer Research Massachusetts Institute of Technology (MIT), United States of America

17⁰⁰ – 17²⁰

**Abstracts – Winner of SSI Poster Competition
“Young Immunologist of the year” BIO-RAD award**

17²⁰ – 17³⁰

Closing remarks

Prof Philippe KOURILSKY

Honorary President SSI,

Chairman of Singapore Immunology Network (SIgN)