

3rd International Singapore Symposium of Immunology

1st- 2nd March 2010

Nanyang Technological University
School of Biological Sciences

Jointly presented by:



SINGAPOREAN
SOCIETY FOR
IMMUNOLOGY



Singapore Institute
for Clinical Sciences



Singapore
Immunology Network



Founding sponsors:



Symposium sessions

MONDAY, 1 MARCH 2010

8:30-9:00 Symposium delegates Registration

9:00-9:15 ***Conference Opening***

Introduction and Welcome addresses

Prof. Bertil Andersson *Provost, Nanyang Technological University*

Prof. Mike Kemeny *President, SSI*

9:15-10:45 ***Session 1 Linking Innate and Adaptive Immunity***

Chairperson: Olaf Rotzschke *SIgN, A*Star*

9:15-9:45 **Caetano Reis e Sousa** Cancer Research UK, London Research Institute, London, UK

O01 "Innate Instruction Of Adaptive Immunity By Dendritic Cells"

9:45-10:15 **Alessandra Mortellaro** Singapore Immunology Network

O02 "Dendritic Cell-Mediated Modulation of The Immune System By Endogenous Danger Signals"

10:15-10:45 **Herbert Schwarz** National University of Singapore

O03 "CD137 Ligand Signaling Induces Human Monocyte To Dendritic Cell Differentiation"

10:45-11:05 **BREAK**

11:05-12:15 ***Session 2 Immune cell subsets and their interaction***

Chairperson: Laurent Reina *SIgN, A*Star*

11:05-11:35 **Hajime Karasuyama** Tokyo Medical and Dental University Graduate School, Tokyo, Japan

O04 "Previously Unrecognized Roles For Basophils In Immune And Allergic Responses"

11:35-12:05 **Katja Fink** Singapore Immunology Network

O05 "Immune Activation Strategies Of Dengue Virus"

12:05-12:15 **KW. Tan** National University of Singapore

P17 "The Absence of B Cells Reveals A Novel Role For Granulocytic Myeloid Cells In Driving Lymphatic Vessel (Lv) Expansion During Inflammation Induced By Immunization "

12:15-14:15 ***Lunch + Poster Session I
Application Seminar***

13:40-14:00 **Jane Mikes** Life Technologies/Invitrogen,

O06 "New Technologies for Structural and Functional Analysis of Live and Fixed Cells by Fluorescence Microscopy"

Session 3 Regulation of Immunity By Signaling And Epigenetic Networks	
14:15-17:00	Chairperson: Lam Kong Peng, BTI, A*Star

14:15-14:45	Michael Reth University of Freiburg and MPI of Immunobiology, Freiburg, Germany O07 "Initiation And Regulation of Signals From The B Cell Antigen Receptor"
14:45-15:15	Peter Cheung Nanyang Technological University O08 "Pellino1 and Innate Immunity"
15:15-15:45	Zhang Yongliang National University of Singapore O09 "Map Kinase Phosphatase 1 Is Necessary For T Cell Activation And Function"
15:45-15:55	Lee Koon Guan Bioprocessing Technology Institute P30 " Examination Of Bruton's Tyrosine Kinase's Requirement For TLR3 Signaling"
15:55-16:20	BREAK
16:20-16:50	I-hsin Su Nanyang Technological University O10 "The Role Of Polycomb Group Protein Ezh2 In Dendritic Cells"
16:50-17:00	Xiong G. National University of Singapore P22 "Nkg2d Ligand Expression In Response To DNA Damage Depends On Tbk1 And IRF3"

Key Note Lecture	
17:00-17:45	Chairperson: Klaus Karjalainen, Nanyang Technological University

	Harald von Boehmer Harvard Medical School, Boston, USA O11 "T Cell Receptor-Controlled Intra- And Extra-Thymic Lineage Choice."
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TUESDAY, 2 MARCH 2010

9:00-10:40 **Session 4 Migration And Cell Adhesion Molecules**
Chairperson: Veronique Angeli National University of Singapore

9:00-9:30 **Gwendalyn Randolph** Mount Sinai School of Medicine, New York, USA
O12 "Migration of dendritic cells to lymph nodes through lymphatic vessels"

9:30-10:00 **Tan Suet Mien** Nanyang Technological University
O13 "A Role Of Integrin Mac-1 In Monocyte Differentiation"

Florent Ginhoux Singapore Immunology Network
10:00-10:30 O14 "Ontogeny And Homeostasis of Non-Lymphoid Tissues Dendritic Cells: Evidence For A Dendritic Cells Lineage"

Garnet Suck Blood Services Group, Health Sciences Authority
10:30-10:40 P21 "Constitutively Activated LFA-1 Primes Highly Cytotoxic Nk-92 And Khyg-1 NK Cells Differentially For Motility"

10:40-11:05 **BREAK**

Session 5 Immunogenetics
11:05-12:15 *Chairperson: Paul Mcary National University of Singapore*

Christopher C Goodnow The Australian National University, Canberra, Australia
11:05-11:35 O15 "Mendel's Long Tail: Implications Of Quantitative Phenotypes In Heterozygous Carriers Of Recessive Immune Syndrome Mutations"

Gijsbert M Grotenbreg National University of Singapore
11:35-12:05 O16 "Conditional Ligands for MHC products"

Catharina Svanborg Singapore Immunology Network
12:05-12:15 P51 "Promoter polymorphisms, transcriptional regulation and innate immunity; the human kidney infection model"

12:15-14:15 **Lunch + Poster Session II**

Application Seminar

Myriam Hofmeister Stemcell Technologies Inc.
13:30-13:50 O17 "Fully automated cell separation with RoboSep"

14:15:- 16:35	Session 6 Clinical Immunology And Vaccination Strategies Chairperson: Antonio Bertoletti SICS, A*Star
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14:15-14:45	Mariolina Salio University of Oxford, Oxford, UK O18 “Harnessing Invariant NKT Cells In Vaccination Strategies”
14:45-15:15	Alessandra Nardin Singapore Immunology Network O19 “Tumor Immune Microenvironment And Clinical Outcome In Hepatocellular Carcinoma.”
15:15-15:25	Siew-Min Ong Singapore Immunology Network P16 “Macrophages In A Human Colon-Rectal Cancer Model Exhibit Tumor-Suppressing Properties”
15:25-15:35	Zhisheng Her Singapore Immunology Network P09 “Active Infection Of Human Blood Monocytes By Chikungunya Virus Triggers An Innate Immune Response”
15:35-16:05	Adam J. Gehring Singapore Institute for Clinical Sciences O20 “Building Antiviral Immunity Using Virus-Specific T Cell Receptor Gene Therapy”
16:05-16:35	Herman Waldmann Sir William Dunn School of Pathology, Oxford, UK O21 “Therapeutic Reprogramming Of The Immune System”

16:35-17:00	Closing Remarks + Qiagen Poster Prize Award Prof. Alex Law Chair, School of Biological Sciences
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17:00-18:15	Social Get Together, NTU Jazz Band
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