

Program

Monday, June 24

Opening Remarks:

10:00 **Tadashi YAMAMOTO**, Director, RIKEN IMS

Session I: INFLAMMATION, RESOLUTION, AND REPAIR Chairs: H. CHEROUTRE and H. UENO

10:10 I-1 **Shigekazu NAGATA**, Osaka University (Japan)
Phospholipid Flippase and Scramblase

10:40 I-2 **Mauro PERRETTI**, Queen Mary University of London (UK)
Resolution Pharmacology: harnessing pro-resolving GPCRs to control chronic diseases

11:10 Coffee Break

11:30 I-3 **Hilde CHEROUTRE**, RIKEN IMS (Japan) / La Jolla Institute for Immunology (USA)
The Cd8 locus controls CD4 T helper cell Plasticity

12:00 I-4 **Paul MARTIN**, University of Bristol (UK)
Imaging inflammation and its consequences in wound repair and cancer

12:30 Lunch

13:40 I-5 **Hideki UENO**, Icahn School of Medicine at Mount Sinai (USA)
Why is the efficacy of seasonal influenza vaccine limited? Blame on Tfh1.

14:10 I-6 **Sachiko MIYAKE**, Juntendo University (Japan)
Unique activation status of CNS innate immunity in systemic inflammatory conditions

Short Talk 1 **Asuka TERASHIMA**, The University of Tokyo (Japan)
14:40 *Interaction between bone and immune cells in inflammation*

Session II: TOOLBOX FOR BIOMEDICAL SCIENCES Chairs: J. ALLEN and A. MINODA

15:00 II-1 **Atsushi MIYAWAKI**, RIKEN CBS / RIKEN RAP (Japan)
Luminescence imaging

15:30 Coffee Break

15:50 II-2 **Mihai G NETEA**, Radboud University Medical Center (Netherlands)
Trained immunity: Metabolic and Epigenetic Reprogramming in Myeloid Cells

16:20 II-3 **Judi ALLEN**, University of Manchester (UK)
Learning from Helminths: Macrophages, Type 2 immunity & Tissue Repair

16:50 II-4 **Aki MINODA**, RIKEN IMS (Japan)
Capturing immunosenescence of the innate immune system at the single cell resolution

Short Talk 2 **Keiichiro SUZUKI**, RIKEN IMS (Japan)
17:20 *IgA regulate composition and metabolic function of gut microbiome by modulating bacteria gene expression*

17:35 End of the day

Tuesday, June 25

Session III: BRAIN- IMMUNITY AXIS

Chairs: J. GOMMERMAN and K. SUZUKI

9:30 III-1 **Martin KERSCHENSTEINER**, Ludwig-Maximilians University Munich (Germany)
In vivo regulation of phagocyte phenotypes and effector function in the inflamed CNS

10:00 III-2 **Kazuhiro SUZUKI**, Osaka University (Japan)
Anatomical and functional connections of adrenergic nerves with lymphoid microarchitectures

10:30 Coffee Break

10:50 III-3 **Jennifer GOMMERMAN**, University of Toronto (Canada)
Recirculating Intestinal IgA-producing cells Regulate Inflammation via IL10

11:20 III-4 **Masaaki MURAKAMI**, Hokkaido University (Japan)
Regional neural activations establish gateways for autoreactive T cells to enter the CNS

Short Talk 3 Saya MORIYAMA, National Institute of Infectious Diseases (Japan)

11:50 *Neuronal regulation of group 2 innate lymphoid cell responses and type 2 inflammation*

Publisher Talk Alejo CHORNY, Journal of Experimental Medicine, Rockefeller University (USA)

12:05 *Scientific Publishing: What, How and Why?"*

12:35 Lunch

Session IV: HUMAN IMMUNODEFICIENCY

Chairs: T. MORIO and F. SALLUSTO

14:10 IV -1 **Alain FISCHER**, Collège de France/ Assistance Publique-Hôpitaux de Paris/ Institut Imagine (France)
Lymphoid organogenesis in humans

14:40 IV -2 **Tomohiro MORIO**, Tokyo Medical and Dental University (Japan)
Primary immunodeficiency disorders caused by a mutation in IKAROS family gene

15:10 IV -3 **Federica SALLUSTO**, ETH Zurich / IRB-USI Bellinzona (Switzerland)
Human T cell repertoires in health and disease

15:40 Coffee Break

16:10 IV -4 **Stuart TANGYE**, Garvan Institute of Medical Research / UNSW Sydney (Australia)
Molecular regulation of human immunity – lessons from primary immunodeficiencies

16:40 IV -5 **Cheng-Lung KU**, Chang Gung University (Taiwan)
Anti-interferon- γ autoantibodies: from molecular to the infectious disease.

Short Talk 4 Daisuke SUGIURA, Tokushima University (Japan)

17:10 *Restriction of PD-1 function by cis-PD-L1/CD80 interactions is required for optimal T cell response*

Closing Remarks:

17:25 **Sidonia FAGARASAN**, Chair, Program Committee

18:00 Social Gathering