

Day 1 20 May (Monday) : MMCB

- 8:30–9:00 Registration
9:00–9:05 Opening Address (Akihiko Yoshimura & Manabu Ato)

Session 1: Macrophage, DC, and innate immune cells 9:05-11:40

Chair: Makoto Naito (Niigata University, Japan) & Kenjiro Matsuno (Dokkyo Medical University, Japan)

- 9:05– 9:45 Frederic Geissmann (King' s College, UK)
“Origin and differentiation of macrophages and DCs”
9:45– 9:55 Commentary: Makoto Naito (Niigata University, Japan)
9:55–10:05 Coffee Break
10:05–10:30 Tsuneyasu Kaisho (iFReC, Japan)
“Critical roles of dendritic cells expressing a chemokine receptor XCR1”
10:30–10:55 Katsuaki Sato (University of Miyazaki, Japan)
“Plasmacytoid dendritic cells in innate and adaptive immunity”
10:55–11:30 Dmitry Gabrilovich (Moffitt Cancer Centre, USA)
“The fate of myeloid–derived suppressor cells in cancer”
11:30–11:40 Commentary: Satoshi Ueha (The University of Tokyo, Japan)

Luncheon Seminar Sponsored by Chugai Pharmaceutical Co. Ltd 11:50-12:50

Chair: Hitoshi Kohsaka (Tokyo Medical and Dental University, Japan)
Isao Matsumoto (University of Tsukuba, Japan)
“Role of IL–6 and TNF α –induced proteins in autoimmune arthritis”

Session 2: Cytokines in innate immune responses 13:00-15:05

Chair: Akinori Takaoka (Hokkaido University, Japan) & Osamu Takeuchi (Kyoto University, Japan)

- 13:00–13:45 Alexander Tarakhovskiy (The Rockefeller University, USA)
“Histone Mimicry and Antiviral Response”
13:45–14:10 Takeshi Ichinohe (The University of Tokyo, Japan)
“Activation of the NLRP3 inflammasome by viroporins”
14:10–14:35 Kensuke Miyake (The University of Tokyo, Japan)
“Nucleic acid–sensing Toll–like receptors:their recognition and regulation”
14:35–14:55 Manabu Ato (NIID, Japan)
“Interferon– γ –producing immature myeloid cells in severe Streptococcus infection”
14:55–15:05 Noriko M Tsuji (AIST, Japan)
“Small intestinal commensal bacteria triggers TLR3–mediated IFN– β production by dendritic cells and protect mice from experimental colitis”
15:05–15:15 Coffee Break

Session 3: Vaccines and innate immune responses 15:15-16:40

Chair: Manabu Ato (NIID, Japan)

- 15:15–15:50 William R Heath (The University of Melbourne, Australia)
“Dendritic cells, receptors and initiation of immunity”
15:50–16:15 Hideki Hasegawa (NIID, Japan)
“Analysis of protective immune responses after intranasal administration of an inactivated whole–virion influenza vaccine in human”
16:15–16:40 Ken J. Ishii (iFReC, Japan)
“Biomarkers and mechanism of vaccine adjuvants”
16:40–19:00 Business meetings (MMBC, JSICR)/Poster viewing
19:00–21:00 Get Together Party

Day 2 21 May (Tuesday) : JSICR

Session 4: Interferons and innate cytokines including DAMPs 9:00-10:40

Chair: Koji Yasutomo (The University of Tokushima, Japan) , Rimpei Morita (Keio University, Japan)

- 9:00-9:30 Shizuo Akira (iFReC, Japan)
“The role of endoribonuclease, Regnase-1/Zc3h12a in the immune response”
- 9:30-10:00 Tadatsugu Taniguchi (The University of Tokyo, Japan)
“Regulation of inflammatory responses by classical and non-classical cytokines”
- 10:00-10:25 Koji Yasutomo (The University of Tokushima, Japan)
“Genetics of monogenic autoinflammatory disorders”
- 10:25-10:40 Takashi Shichita (Keio University, Japan)
“Pivotal roles of innate immunity in cerebral post-ischemic inflammation”
- 10:40-11:00 Coffee Break

Session 5: Cytokines and their producers: regulation of inflammation 11:00-12:20

Chair: Shigeo Koyasu (RCAI, RIKEN, Japan) , Chen Dong (University of Texas, USA)

- 11:00-11:30 Chen Dong (University of Texas, USA)
“Negative regulation of cytokine signaling in autoimmune and allergic diseases”
- 11:30-11:55 Shigeo Koyasu (RCAI, RIKEN, Japan)
“TSLP induces corticosteroid resistance of NH cell and evokes steroid-resistant severe asthma”
- 11:55-12:20 Kenji Nakanishi (Hyogo College of Medicine, Japan)
“IL-33-stimulated type II innate lymphoid cells induce eosinophilia in the lungs of intestinal nematode-infected mice”

Luncheon Seminar Sponsored by Mitsubishi Tanabe Pharma. Co. 12:20-13:20

Chair: Masayuki Amagai (Keio University, Japan)

Takanori Kanai (Keio University, Japan)

“The Probiotics Era Which Full-scale Science Started in Inflammatory Bowel Disease”

Session 6: Novel aspect of cytokines and therapeutics 13:30-15:10

Chair: Yoichiro Iwakura (Tokyo University of Science, Japan), Shigenori Nagai (Keio University, Japan)

- 13:30-13:55 Masayuki Amagai (Keio University, Japan)
“Skin inflammatory diseases caused by different subtypes of desmoglein 3-specific Th cells”
- 13:55-14:20 Yoichiro Iwakura (Tokyo University of Science, Japan)
“Novel complement regulator CTRP6 effectively treats induced arthritis”
- 14:20-14:45 Keishi Fujio (The University of Tokyo, Japan)
“Egr2-mediated control of autoimmunity”
- 14:45-15:10 Kouji Matsushima (The University of Tokyo, Japan)
“Clinical application of defucosylated humanized anti-CCR4 and CD4 antibodies to allogeneic HSCT and cancer immunotherapy”
- 15:10-15:25 Coffee Break

Plenary Lecture 15:25-16:15

Chair: Akihiko Yoshimura (Keio University, Japan)

Richard A Flavell (Yale University, USA)

“Inflammasome, microbiota and disease”

16:15-16:20 Short Break

Session 7: Cytokines in T cell immunity 16:20-18:30

Chair: Masato Kubo (Tokyo University of Science, Japan) , WanJun Chen (NIH, USA)

- 16:20-16:50 WanJun Chen (NIH, USA)
“TGF- β control of T regulatory cells in immune responses and autoimmunity”
- 16:50-17:15 Masato Kubo (Tokyo University of Science and RCAI, RIKEN, Japan)
“Roles of follicular helper T (TFH) cells in antibody based protective immunity against influenza virus”
- 17:15-17:40 Keiji Hirota (MRC, UK and Osaka University, Japan)
“Th17 plasticity in homeostasis and inflammation”
- 17:40-18:00 Akihiko Yoshimura (Keio University, Japan)
“Novel nuclear factor that makes Tregs”
- 18:00-18:20 Young Investigator Award Presentation
- 18:20-18:30 Closing Remarks: Kouji Matsushima and Takashi Fujita