

CREST Symposium Program

March 23rd, 2009 (Monday)

9:20 9:30 Welcome address
Takeshi Tsubata
(Tokyo Medical and Dental University, Tokyo)

< Session I: Lymphocyte Differentiation >
Chair, Yasunori Kozutsumi and Kurt Drickamer

9:30 10:10 **Reiji Kannagi**
(Aichi Cancer Center, Nagoya)
Roles of sulfated and sialylated cell-adhesion glycans in
homing behavior of human T- and B-lymphocyte subsets.

10:10 10:50 **Yasunori Kozutsumi**
(Kyoto University, Kyoto)
Activation-dependent repression of N-glycolylneuraminic acid
in mouse lymphocytes

10:50 11:30 **Kurt Drickamer**
(Imperial College London, UK)
Prolectin: a glycan-binding receptor on dividing B cells in
germinal Centers

11:30 13:00 **Lunch**

< Session I: Lymphocyte Signaling >
Chair, Takashi Angata and Lars Nitschke

13:00 13:40 **James C. Paulson**
(Scripps Institute, CA, USA)
Competing ligands of CD22

13:40 14:20 **Lars Nitschke**
(Erlangen Univ., Erlangen, Germany)
CD22 and Siglec-G: two inhibitory receptors on B cells

14:20 15:00 **Takeshi Tsubata**
(Tokyo Medical and Dental University, Tokyo)
Membrane-bound lectins and humoral immunity.

15:00 15:30 coffee break

15:30 16:10 **Takashi Angata**
(Advanced Industrial Science and Technology, Tsukuba)
DAP12-associating Siglecs and their possible involvement in
immune regulation

16:10 16:50 **Yasuhiro Hashimoto**
(Fukushima Medical University, Fukushima)
Siglec-7-dependent inhibitory signaling

16:50 17:30 **Hisashi Arase**
(Osaka University, Osaka)
Regulation of immune response by PILR that recognizes
O-glycosylated ligands

18:30 - Reception

March 24th, 2009 (Tuesday)

< Session III: Infection, Inflammation and Immunity >

Chair, Reiji Kannagi and Jamey D. Marth

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| 9:00 | 9:40 | Jamey D. Marth (UCSD, CA, USA) Mammalian Glycosylation in Mechanisms of Immunity |
| 9:40 | 10:20 | Fikri Avci (Harvard Med. Sch., MA, USA) Capsular Polysaccharides and Adaptive Immune System: A Paradigm Shift |
| 10:20 | 11:00 | Yoichiro Iwakura (The University of Tokyo, Tokyo) The roles of C-type lectins in the host defense against fungi and in the development of autoimmunity |
| 11:00 | 12:45 | Poster session |
| 12:45 | 13:30 | Lunch |

< Session IV: Immune Modulation and Immunotherapy >

Chair, Tatsuro Irimura and Jeffery Ravetch

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| 13:30 | 14:10 | Jeffery Ravetch (Rockefeller Univ., NY, USA) Novel roles for IgG glycans |
| 14:10 | 14:50 | Kayo Inaba (Kyoto University, Kyoto) Role of SIGN-related molecules in innate immune responses |
| 14:50 | 15:20 | coffee break |
| 15:20 | 16:00 | Yvette van Kooyk (VU Univ. Med. Center, Amsterdam, The Netherlands) Glycans to modulate Dendritic cell mediated immune responses |
| 16:00 | 16:40 | Tatsuro Irimura (The University of Tokyo, Tokyo) Regulation of Infection and Immunity by MGL/CD301 |
| 16:40 | 16:50 | Closing remarks Yasuhiro Hashimoto (Fukushima Medical University, Fukushima) |