

# The 1st International Symposium

## ~ Lymphocyte Development and Immunological Disorders ~

**Date:** Oct. 7th (Thu.), 2004 9:00-18:00  
Oct. 8th (Fri.), 2004 9:00-12:30  
**Place:** Gonryo-Kaikan

~~~~~ *Symposium Program* ~~~~~

**Oct. 7th, Thursday**

9:00-9:05      **Opening remarks**  
Makoto Tamai,

9:05-9:10      **Introduction**  
Kazuo Sugamura

**Session I. T lymphocyte development and differentiation**

Chairperson: Masanobu Satake and Setsuya Aiba

9:10-9:50      **Regulatory dissection of the early T-cell specification process.**  
Ellen V. Rothenberg (California Inst. Technology)

9:50-10:30      **Erk2 is necessary for nuclear transmission of positive selecting signals in T cell development.**  
Stephen M. Hedrick (Univ. California)

10:30-10:45      **Coffee break**

10:45-11:25      **T cell receptor-mediated signals for the CD4+ T helper phenotype development in a T cell receptor transgenic model.**  
Kiyoshi Takatsu (Tokyo Univ.)

11:25-12:05      **Cytokine signaling and lymphoid development, differentiation and immunoregulation.**  
John J. O'Shea (Natl. Inst. Health)

12:05-13:00      **Lunch**

**Session II. Posters presented by the investigators from Tohoku Univ.**

13:00-15:00

### **Session III. Memory and immune-surveillance**

Chairperson: Toshiyuki Takai and Masao Ono

- 15:00-15:40      **Immunological memory.**  
Rafi Ahmed (Emory Univ.)
- 15:40-16:20      **Cross-presentation and dendritic cell subsets in self tolerance and viral immunity.**  
William R. Heath (The Walter and Eliza Hall Inst.)
- 16:20-16:35      **Coffee break**
- 16:35-17:15      **Regulation of immunological homeostasis by DC-producing cytokines, IL-2 and IL-15.**  
Toshiaki Ohteki (Akita Univ.)
- 17:15-17:55      **Clearance of apoptotic cells and its failure.**  
Shigekazu Nagata (Osaka Univ.)
- 17:55-20:00      **Reception at the Gonryo Kaikan**

### **Oct. 8th, Friday**

#### **Session IV. Signaling molecules involved in immune-regulation**

(chaired by Kazuo Sugamura and Shunji Sugawara).

- 9:00-9:40      **Development of autoimmune rheumatoid arthritis-like disease by abnormal signaling of IL-6 family cytokine.**  
Toshio Hirano (Osaka Univ.)
- 9:40-10:20      **SOCS1 and SOCS3; critical regulators for cytokine signaling, inflammation, and homeostasis.**  
Akihiko Yoshimura (Kyushu Univ.)
- 10:20-11:00      **Exacerbated graft-versus-host disease in PIR-B-deficient mice.**  
Toshiyuki Takai (Tohoku Univ.)
- 11:00-11:15      **Coffee break**
- 11:15-11:55      **B and T lymphocyte attenuator (BTLA)- a new regulatory receptor in immunity.**  
Kenneth Murphy (Washington Univ.)
- 11:55-12:35      **The SLAM family of cell surface receptors controls immune responses to viruses and bacteria.**  
Cox Terhorst (Harvard Med. School )
- 12:35-12:40      **Closing remarks**  
Masanobu Satake
- 12:40-13:30      **Lunch**