# Program

**Thursday, June 22**

## Opening Remarks:
9:30  
Tadashi Yamamoto, Director, RIKEN IMS

## Session I: Functional genomic of lymphocytes  
Chair: K. Moro and I. Taniuchi

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>9:40</td>
<td>Kazuhiko Yamamoto</td>
<td>Functional insights from genetic information of autoimmune diseases</td>
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<tr>
<td>10:10</td>
<td>Ido Amit</td>
<td>The power of ONE: Immunology in the age of single cell genomics</td>
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<td>10:40</td>
<td>Coffee Break</td>
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<tr>
<td>11:00</td>
<td>David E. Hill</td>
<td>Using Interactome Networks to Unravel Cellular and Systems Complexity in Human Disease</td>
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<td>11:30</td>
<td>Yukinori Okada</td>
<td>Statistical genetics, disease biology, and drug discovery</td>
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<td>12:00</td>
<td>Lunch</td>
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<tr>
<td>13:30</td>
<td>Kazuyo Moro</td>
<td>Development of tissue-resident ILC2 occurs in peripheral tissue</td>
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<td>14:00</td>
<td>Ichiro Taniuchi</td>
<td>Roles of Runx Transcription Factors In Immune System Development</td>
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## Session II: Animal model and Immunotherapy  
Chair: K. Chamoto and R. M. Nitsch

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<tbody>
<tr>
<td>14:30</td>
<td>Roger M. Nitsch</td>
<td>Recombinant Human Monoclonal Antibodies for the Disease-Modifying Treatment of Neurodegenerative Diseases</td>
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<td>15:00</td>
<td>Coffee Break</td>
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<td>15:20</td>
<td>Shimon Sakaguchi</td>
<td>Control of immune responses by regulatory T cells</td>
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<td>15:50</td>
<td>Kenji Chamoto</td>
<td>T cell energy metabolism regulates PD-1 blockade-mediated anti-tumor effect</td>
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<td>16:20</td>
<td>Yoshihiro Kawaoka</td>
<td>Flu-vision: total imaging systems for analyzing influenza virus infection</td>
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## Short Talk:
16:50  
Ioana Visan, Senior Editor, Nature Immunology  
**Publishing science- an editorial perspective**

17:30  
Social gathering
Friday, June 23

Session III: Interface between the immune system and environment
Chair: K. C. Nagao and K. Takeda

9:30   III-1  Hiroshi Kiyono, University of Tokyo, Japan
Mucosal Trio-regulatory Machinery of Epithelial Cells-Innate Lymphoid Cells-Commensal Bacteria for Gut Homeostasis and Inflammation

10:00  III-2  James P. Di Santo, Institut Pasteur, France
Developmental Options and Functional Plasticity of Human Innate Lymphoid Cells

10:30  Coffee Break

10:50  III-3  Keisuke C. Nagao, National Institutes of Health, USA
The role of innate lymphoid cells in the skin microbial ecology

11:20  III-4  Kiyoshi Takeda, Osaka University, Japan
Regulation of intestinal homeostasis by epithelial barriers

Short Talk:
11:50  Ilana Gabanyi, The Rockefeller University, USA (A speaker from RISP)
Neuro-immune Interactions Drive Tissue Programming in Intestinal Macrophages

12:05  Lunch

Session IV: Fundamental aspects of immunology
Chair: M. Colonna and Y. Hamazaki

13:30  IV -1  Gabriel D. Victora, The Rockefeller University, USA
Monitoring T cell-APC interactions in vivo

14:00  IV -2  Hisashi Arase, Osaka University, Japan
MHC class II-induced neo-self antigens in autoimmune diseases

14:30  IV -3  Yoko Hamazaki, Kyoto University, Japan
Innate immune cell recruitment and activation by Hassall’s corpuscles in the thymic medulla: Implications of “sterile inflammation” on T-cell development

15:00  Coffee Break

15:20  IV -4  Marco Colonna, Washington University, USA

15:50  IV -5  Katsuyuki Yugi, RIKEN, IMS, Japan
Reconstruction of insulin-dependent metabolic regulatory networks from phosphoproteome and metabolome data

Short Talk:
16:20  Norifumi Iijima, Osaka University, Japan (A speaker from JSI)
Peripheral immune protection against mucosal virus infection

Closing Remarks:
16:35  Sidonia Fagarasan, Chair, Program Committee