

# Program for Technical Seminar

---

12 : 30-13 : 30, Monday, December 5

---

**T1 (Room C: Conference Room A2, Bldg. A at OCC)** \*The seminar will be presented in Japanese.

Chairperson: Takashi SEKIGUCHI (Technical Support, Thermo Fisher Scientific K.K.)

**Functional diversity of various disorder-specific macrophage subtype**

Takashi SATOH (Research Institute for Microbial Diseases (RIMD), Department of Host Defense, Osaka university. WPI Immunology Frontier Research Center (IFReC), Laboratory of Host Defense, Osaka university)

Thermo Fisher Scientific K.K.

**T2 (Room G: Conference Room B5+6+7, Bldg. B at OCC)** \*The seminar will be presented in Japanese.

**Generation and maintenance of pathogenic Th2 (T<sub>path2</sub>) cells in allergic airway inflammation**

Toshinori NAKAYAMA (Department of Immunology, Graduate School of Medicine, Chiba University, and AMED-CREST, AMED)

MiltenyiBiotec K.K.

---

12 : 30-13 : 30, Tuesday, December 6

---

**T3 (Room C: Conference Room A2, Bldg. A at OCC)**

Chairperson: Shimon SAKAGUCHI (Experimental Immunology, IFReC, Osaka University)

**Balancing the Immune System through Treg Biology**

Jeffrey BLUESTONE, A.W. and Mary Margaret CLAUSEN (Sean N. Parker Autoimmunity Research Laboratory, Diabetes Center, University of California San Francisco)

TOMY DIGITAL BIOLOGY CO., LTD.

**T4 (Room D: Conference Room B1, Bldg. B at OCC)** \*The seminar will be presented in Japanese.

Chairperson: Yutaka KAWAKAMI (Division of Cellular Signaling Institute for Advanced Medical Research, Keio University School of Medicine)

**Mass Cytometry: Helios™, a CyTOF® system**

Sebastian RODRIGUEZ (Fluidigm Japan)

**Comprehensive immune-cell assay for detecting biomarkers in cancer immunotherapy**

Hiroyoshi NISHIKAWA (Division of Cancer Immunology, EPOC, National Cancer Center)

Fluidigm Japan KK

**T5 (Room E: Conference Room B2, Bldg. B at OCC)** \*The seminar will be presented in Japanese.  
Chairperson: Mari KANNAGI (Department of Immunotherapeutics, Tokyo Medical and Dental University Graduate School)

**A joy of generating new monoclonal antibodies for studies on infection with human T cell leukemia virus type-I (HTLV-I) and human immunodeficiency virus type-1 (HIV-1)**

Yuetsu TANAKA (Department of Immunology, Graduate School of Medicine, University of the Ryukyus)

Beckman Coulter K.K.

**T6 (Room G: Conference Room B5+6+7, Bldg. B at OCC)**

Chairperson: Shizuo AKIRA (WPI Immunology Frontier Research Center, Osaka University)

**Recent Progress in Innate Immunity and Novel STING Agonists as Lead Compounds**

Shizuo AKIRA (WPI Immunology Frontier Research Center, Osaka University)

\*The lecturer will be presented in Japanese.

Gerard TIRABY (InvivoGen)

\*The lecturer will be presented in English.

NACALAI TESQUE, INC.

---

12 : 30-13 : 30, Wednesday, December 7

---

**T7 (Room D: Conference Room B1, Bldg. B at OCC)**

Chairperson: Robert BALDERAS (BD Life Sciences)

**Exploiting single-cell RNA-seq to distill Treg flavors**

Diane MATHIS (Division of Immunology, Dept. of Microbiology and Immunobiology, Harvard Medical School)

Nippon Becton Dickinson Company, Ltd.

**T8 (Room E: Conference Room B2, Bldg. B at OCC)**

Chairperson: Kazuhiko YAMAMOTO (Department of Allergy and Rheumatology, Graduate School of Medicine, The University of Tokyo)

**Human T cell repertoires in immunity, autoimmunity and allergy**

Federica SALLUSTO (Center of Medical Immunology and Head Cellular Immunology Laboratory Institute for Research in Biomedicine, Università della Svizzera italiana)

Sysmex Corporation

**T9 (Room G: Conference Room B5+6+7, Bldg. B at OCC)** \*The seminar will be presented in Japanese.

Chairperson: Atsushi TSURUMUNE (NIKON INSTECH CO., LTD.)

**Intravital multiphoton imaging revealing immune cell dynamics in inflammation and bone destruction in vivo**

Masaru ISHII (Department of Immunology and Cell Biology, Graduate School of Medicine and Frontier Biosciences, Osaka University)

NIKON INSTECH CO., LTD.