

Current and Future Trends in Genome-based Immunity, Infection and Cancer

The 2nd Joint Global COE Symposium of The IMSUT & RCAST Global COE,
The University of Tokyo and Chiba University Global COE

Monday, January 28, 2013

Sapia Hall, Tokyo Station Conference, Tokyo

Admission Free, No Registration Required

Program

Keynote Lectures

William E. Paul (National Institutes of Health, USA)

Sean M. Grimmond (The University of Queensland, Australia)

9:00 **Overview of G-COE Program**

Hiroshi Kiyono (The University of Tokyo), Toshinori Nakayama (Chiba University)

9:15 **I Infection and Immunity**

Yoshihiro Kawaoka (The University of Tokyo)

Ai Kawana-Tachikawa (The University of Tokyo)

Toshinori Nakayama (Chiba University)

Yoshitaka Okamoto (Chiba University)

William E. Paul (National Institutes of Health)

13:15 **II Aging, cell therapy and regeneration**

Tohru Minamino (Niigata University)

Shinichiro Motohashi (Chiba University)

Makoto Otsu (The University of Tokyo)

14:55 **III Genetics and epigenetics of cancer and diseases**

Sean M. Grimmond (The University of Queensland)

Naoya Kato (The University of Tokyo)

Atsushi Kaneda (The University of Tokyo)

Atsushi Iwama (Chiba University)

Akira Hata (Chiba University)

17:50 **Closing Remarks**

Organized by | IMSUT & RCAST Global COE Program, The University of Tokyo
Chiba University Global COE Program

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Advanced Genome Medicine
IMSUT & RCAST Global COE

Current and Future Trends in Genome-based Immunity, Infection and Cancer

Monday January 28, 2013 9:00-18:00 Sapia Hall, Tokyo Station Conference, Tokyo

P R O G R A M

9 : 00 - 9 : 15 Opening Overview of G-COE Program

Hiroshi Kiyono Dean / Professor, Division of Mucosal Immunology,
International Research Center for Infectious Diseases, The Institute of Medical
Science, The University of Tokyo (IMSUT)
Toshinori Nakayama Professor, Department of Immunology, Graduate School
of Medicine, Chiba University

9 : 15 - 12 : 15 I. Infection and Immunity

Chair: Hiroshi Nakajima Professor, Chiba University

9 : 15 - 9 : 45 An epic journey to publish ferret H5N1 transmission studies

Yoshihiro Kawaoka Professor, International Research Center for Infectious
Diseases and Division of Virology, Department of Microbiology and
Immunology, The Institute of Medical Science, The University of Tokyo (IMSUT)

9 : 45 - 10 : 15 Mechanisms underlying disruption of T cell immunity during chronic HIV-1 infection

Ai Kawana-Tachikawa Associate Professor, Division of Infectious Diseases,
Advanced Clinical Research Center, The Institute of Medical Science,
The University of Tokyo (IMSUT)

10 : 15 - 10 : 45 Pathogenic memory Th2 cells in the airway

Toshinori Nakayama Professor, Department of Immunology, Graduate School
of Medicine, Chiba University

10 : 45 - 11 : 00 *Break*

11 : 00 - 11 : 30 Immunological changes after immunotherapy for cedar pollinosis and their clinical uses

Yoshitaka Okamoto Professor, Department of Otorhinolaryngology, Graduate
School of Medicine, Chiba University

Chair: Toshinori Nakayama Professor, Chiba University

11 : 30 - 12 : 15 Keynote Lecture

IL-1 Family Members: Potent Regulators of Cytokine Production and T Cells Responses to Antigen

William E. Paul National Institutes of Health Distinguished Investigator, Chief,
Laboratory of Immunology, National Institute of Allergy and Infectious Diseases,
National Institutes of Health, USA

12 : 15 - 13 : 15 *Lunch*

13 : 15 - 14 : 45 II. Aging, cell therapy and regeneration

Chair: Atsushi Iwama Professor, Chiba University

13 : 15 - 13 : 45 Lifespan regulatory system as a potential therapeutic target for cardiovascular disease

Tohru Minamino Professor, Department of Cardiovascular Biology and Medicine,
Niigata University Graduate School of Medical and Dental Sciences

- 13 : 45 - 14 : 15 **NKT cell-targeting therapy for lung cancer**
Shinichiro Motohashi Associate Professor, Department of Medical Immunology, Graduate School of Medicine, Chiba University
- 14 : 15 - 14 : 45 **Pleiotropic nature of hematopoietic stem cell responses to an inflammatory niche environment**
Makoto Otsu Associate Professor, Stem Cell Bank, Center for Stem Cell Biology and Regenerative Medicine, The Institute of Medical Science, The University of Tokyo (IMSUT)
- 14 : 45 - 14 : 55 **Break**

14 : 55 - 17 : 50 **III. Genetics and epigenetics of cancer and diseases**

Chair: Yoichi Furukawa Professor, IMSUT

- 14 : 55 - 15 : 40 **Keynote Lecture**
Cohort and personalized Cancer Genome Analysis of Pancreatic Adenocarcinoma
Sean M Grimmond Director, Queensland Centre for Medical Genomics, Institute for Molecular Bioscience, The University of Queensland, Australia
- 15 : 40 - 16 : 10 **A Genome Wide Association Study for Hepatitis C Virus-Induced Liver Cirrhosis and Hepatocellular Carcinoma**
Naoya Kato Project Associate Professor, Unit of Disease Control Genome Medicine, The Institute of Medical Science, The University of Tokyo (IMSUT)
- 16 : 10 - 16 : 20 **Break**
- Chair: Naoya Kato Project Associate Professor, IMSUT
- 16 : 20 - 16 : 50 **Accumulation of epigenetic alteration involved in gastrointestinal carcinogenesis**
Atsushi Kaneda Project Associate Professor, Genome Science Division, Research Center for Advanced Science and Technology (RCAT), The University of Tokyo / Core Research for Evolutional Science and Technology (CREST), Japan Science and Technology Agency
- 16 : 50 - 17 : 20 **Tumor suppressor function of the polycomb-group genes in myelodysplastic disorders.**
Atsushi Iwama Professor, Department of Cellular and Molecular Medicine, Graduate School of Medicine, Chiba University
- 17 : 20 - 17 : 50 **Identification of susceptibility genes for Kawasaki disease**
Akira Hata Professor, Department of Public Health, Graduate School of Medicine, Chiba University
- 17 : 50 - 17 : 55 **Closing Remarks**
Takeshi Tokuhisa Vice President, Chiba University
Department of Developmental Genetics, Graduate School of Medicine Chiba University

Organized by IMSUT & RCAST Global COE Program, The University of Tokyo

"Center of Education and Research for the Advanced Genome-Based Medicine: For personalized medicine and the control of worldwide infectious diseases"

Chiba University Global COE Program

"Global Center for Education and Research in Immune System Regulation and Treatment"