**Friday, November 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>13:00-13:45</td>
<td>Invited Lecture 1 WASPaLM/JSLM Joint Lectures</td>
<td>Room 1 (Main Hall)</td>
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<tr>
<td>Chair:</td>
<td>Masami Murakami</td>
<td>Department of Clinical Laboratory Medicine, Gunma University Graduate School of Medicine, Japan</td>
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<tr>
<td>IL1</td>
<td>The recent progress of multi omics approach (FANTOM omics) and its medical application</td>
<td>Yoshihide Hayashizaki (RIKEN Preventive Medicine and Diagnosis Innovation Program, Japan)</td>
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<tr>
<td>13:45-14:30</td>
<td>Invited Lecture 2 WASPaLM/JSLM Joint Lectures</td>
<td>Room 1 (Main Hall)</td>
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<tr>
<td>Chair:</td>
<td>Yutaka Yatomi</td>
<td>Department of Clinical Laboratory Medicine, Graduate School of Medicine, The University of Tokyo, Japan</td>
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<td>IL2</td>
<td>Working with deadly viruses: Battling Ebola and influenza</td>
<td>Yoshihiro Kawaoka (Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin-Madison, USA; International Research Center for Infectious Diseases and Division of Virology, Department of Microbiology and Immunology, Institute of Medical Science, University of Tokyo, Japan)</td>
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<td>14:40-15:40</td>
<td>Educational Lecture 3 Cardiovascular Risk Factors: Lp(a) and Remnant Cholesterol</td>
<td>Room 1 (Main Hall)</td>
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<td>Chair:</td>
<td>Hiroshi Yoshida</td>
<td>Jikei University Kashiwa Hospital, Japan</td>
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<tr>
<td>EL3</td>
<td>Cardiovascular risk factors: Lp(a) and remnant cholesterol</td>
<td>Børge G. Nordestgaard (Herlev Hospital, Denmark)</td>
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<td>15:40-16:40</td>
<td>Educational Lecture 4 The Role of GPIHBP1, an Endothelial Cell Transporter for Lipoprotein Lipase, in Health and Disease</td>
<td>Room 1 (Main Hall)</td>
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<td>Chair:</td>
<td>Masami Murakami</td>
<td>Department of Clinical Laboratory Medicine, Gunma University Graduate School of Medicine, Japan</td>
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<td>EL4</td>
<td>The role of GPIHBP1, an endothelial cell transporter for lipoprotein lipase, in health and disease</td>
<td>Stephen G. Young (University of California Los Angeles, USA)</td>
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<tr>
<td>17:00-18:30</td>
<td>Symposium 11 Molular and Precision Medicine</td>
<td>Room 1 (Main Hall)</td>
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<tr>
<td>Chairs:</td>
<td>Hong Shang</td>
<td>First Affiliated Hospital, China Medical University, China</td>
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<td></td>
<td>Masami Murakami</td>
<td>Department of Clinical Laboratory Medicine, Gunma University Graduate School of Medicine, Japan</td>
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<tr>
<td>SY11-1</td>
<td>The new perspective of the laboratory medicine: Stem cells</td>
<td>Francesco Curcio (Department of Medicine, University of Udine, Udine, Italy)</td>
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<td>SY11-2</td>
<td>Preliminary investigation of clinical significance of an improved method to identify circulating tumor cells</td>
<td>Wei Cui (The Department of Clinical Laboratory, National Cancer Center/Cancer Hospital, Beijing, China)</td>
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</tbody>
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Cell context-dependent molecular markers in lung cancer
Sana Yokoi
Division of Genetic Diagnostics, Chiba Cancer Center Hospital; Cancer Genome Center, Chiba Cancer Center Research Institute, Japan

Symposium 12 8:30-10:00 Room 10 (Room A)
SY12 Laboratory Medicine in the Prevention of Chronic Kidney Disease (CKD)

Chairs: Flavio F. P. Alcantara
        Yoshihisa Itoh
Department of Clinical Pathology, IACS-/University of Sao Paulo - Medical School, Brazil
Medical Laboratory, Eiju General Hospital, Life Extension Research Institute, Japan

SY12-1 Standardized action for CKD through the IFCC-WASPaLM Task Force: Problems and solutions for a globalized world
Flavio F. P. Alcantara
Department of Clinical Pathology, IACS-/University of Sao Paulo - Medical School, Brazil

SY12-2 Mexican Task Force on CKD: Successful results of the creatinine standardization program for accurate assessment of eGFR
Claudio R. Ruiz-Arenas
Laboratorios Exakta, Puebla, Mexico

SY12-3 Clinicopathological characteristics and related biomarkers in diabetic nephropathy
Takashi Wada
Department of Nephrology and Laboratory Medicine, Kanazawa University, Japan

Symposium 13 10:00-11:30 Room 10 (Room A)
SY13 Adding Value to Laboratory Medicine and Pathology Practice

Chairs: Andre Ilbawi
        Kiyoaki Watanabe
Cancer Control, World Health Organization, Switzerland
Tokyo Center for Laboratory Medicine, Japan

SY13-1 Improving laboratory practice worldwide through guidelines and online education
Catherine P.M. Hayward
Department of Pathology and Molecular Medicine and Medicine, McMaster University, Hamilton, Ontario, Canada

SY13-2 The value ladder in laboratory medicine
Howard A. Morris
School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, SA, Australia

SY13-3 A novel evidence-based laboratory medicine in the era of the big data and AI
Masahiro Nishibori
Department of Social Services and Healthcare Management, International University of Health and Welfare, Tochigi, Japan

SY13-4 Value proposition for advanced molecular diagnostics in cancer and transplantation
Michael Oellerich
Department of Clinical Pharmacology, University Medicine Goettingen, Goettingen, Germany

Symposium 14 15:00-16:30 Room 10 (Room A)
SY14 Role of the Laboratory in the Follow Up of Hematologic and Metabolic Aspect of Sports Medicine (SIPMeL)

Chairs: Kiyoshi Ichihara
        Catherine P.M. Hayward
Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine, Japan
Department of Pathology and Molecular Medicine and Medicine, McMaster University, Hamilton, Ontario, Canada

SY14-1 Hematological disorders in athletes
Giuseppe d’Onofrio
Hematology, Catholic University & NADO Italia Antidoping Committee, Italy
SY14-2 Leukocytic parameters in assessing sport effort
Anna Maria Cenci
Italian Society of Pathology and Laboratory Medicine (SIPMeL), Castelfranco Veneto, Italy

SY14-3 The role of the laboratory in the management of extreme sports
Elisabetta Stenner
Department of Laboratory Medicine, Azienda Sanitaria Universitaria Integrata di Trieste, Italy

SY14-4 Mental & physical fitness throughout life: Is it possible to make prevention and reduce health spending?
Roberto Verna
Department of Experimental Medicine, Sapienza University of Rome, Italy

Symposium 15 16:30-18:00 Room 10 (Room A)

SY15 Liquid Biopsy and Micro RNA
Chairs: Luisane M. F. Vieira
Eizaburo Sueoka

Laboratório Médico Geraldo Lustosa, SBPC/ML, Brazil
Department of Laboratory Medicine, Saga University Hospital, Japan

SY15-1 Graft-derived cell-free DNA as a diagnostic tool in transplantation
Michael Oellerich
Department of Clinical Pharmacology, University Medicine Goettingen, Goettingen, Germany

SY15-2 Plasma cell-free DNA for monitoring of cancer treatment
Ekkehard Schütz
Chronix Biomedical, Germany/USA

SY15-3 Unleashing the potential of microRNAs as biomarkers and therapeutic targets in urologic malignancies
George M. Yousef
Department of Laboratory Medicine and Pathobiology, University of Toronto, Ontario, Canada