

April 10 (Fri)

9:00-10:30 Symposium 1

Creating Diagnostic Value through the Combination of New Testing Technologies: Expected Benefits from the Integration of LIS, LAS, and Robotics

Chairs: Masato Maekawa, Hamamatsu University School of Medicine, Japan
Young Kyung Lee, Hallym University College of Medicine & Hallym University Sacred Heart Hospital, Korea

SY1-1 Automated clinical laboratory preprocessing

Junkou Notsuke, SRL, Inc., Central Automation Division, Process Engineering & Management Department, Process Engineering Section, Japan

SY1-2 New Initiatives for the Integration of LIS, LAS, and Robotics in Our Hospital

Hiroyasu Ito, Department of Joint Research Laboratory of Clinical Medicine, School of Medicine, Fujita Health University, Japan

SY1-3 Automation Trends in Clinical Laboratories in Korea

Kyunghoon Lee, Department of Laboratory Medicine, Seoul National Bundang Hospital, Seongnam, Republic of Korea

SY1-4 STARS LAB: Building an Automated Closed-Loop System to Enhance Laboratory Safety and Efficiency in the Era of Smart Healthcare

Ching-Sheng Hung, Department of Laboratory Medicine, Taipei Municipal Wanfang Hospital, Taipei Medical University, Taiwan

11:00-12:00 Plenary Lecture 1

Anticipating the Future of Regenerative Medicine

Chair: Teruto Hashiguchi, Faculty of Medicine, Kagoshima University, Japan

PL-1 Anticipating the Future of Regenerative Medicine

Yasuhiko Tabata, Cell Biotechnology, Graduate School of Medicine, Kyoto University, Japan

12:10-13:10 Industry Workshop 1 (Luncheon)

Efforts Toward Automation and Efficiency in Clinical Laboratory Testing (Co-sponsored by Sysmex Corporation)

Chair: Hiroataka Matsui, Department of Clinical Laboratory Medicine, National Cancer Center Hospital, Japan

IW1-1 Sysmex AI for Laboratory Operational Support

Koji Yamada, Business Development, Sysmex Corporation, Japan

IW1-2 The power of integrated solution in Hematology and Hemostasis : BloodScience Workcell

Seongsoo Jang, Departments of Laboratory Medicine, University of Ulsan College of Medicine and Asan Medical Center, Seoul, Korea

13:50-14:20 Industry Workshop 2

Introducing HITACHI Pathophysiological Assessment System Utilizing Routine Laboratory Tests (Co-sponsored by Hitachi High-Tech Corporation)

Chair: Hideki Niimi, Department of Clinical Laboratory and Transfusion Medicine & Cell Therapy Center, Toyama University Hospital, Japan

IW2-1 Introducing HITACHI Pathophysiological Assessment System Utilizing Routine Laboratory Tests

Sayaka Asada, Takashi Nakasawa, Masayuki Takahashi

Hitachi High-Tech Corporation, Healthcare Business Strategy Planning Division, Clinical Laboratory Solution Department, Japan

14:20-14:50 Industry Workshop 3

Revolutionizing diagnostics: Enhancing usability of mass spectrometry with cobas i 601 (Co-sponsored by Roche Diagnostics K.K.)

IW3-1 Revolutionizing diagnostics: Enhancing usability of mass spectrometry with cobas i 601

Hyun Jang, Roche Diagnostics K.K., Japan

14:55-16:25 Symposium 2

Testing and Automation Using New Technologies in Clinical Laboratory Testing

Chairs: Hiromichi Matsushita, Keio University School of Medicine, Japan
Yeo-Min Yun, Konkuk University School of Medicine, Korea

SY2-1 Digital Transformation in Clinical Microbiology: Implementation of Full Automation and Image Analysis Technologies

Yoshifumi Uwamino, Department of Laboratory Medicine, Keio University School of Medicine, Japan

SY2-2 Innovative Technology: Automation in Sample Pretreatment for Liquid Chromatography-Tandem Mass Spectrometry

Sung-Eun Cho, Endocrine Substance Analysis Center (ESAC), GC Labs, Korea

SY2-3 Ghost Cytometry-Based Morphological Profiling toward Automated Disease Screening

Hiroko Nomaru¹, Sadao Ota^{1,2}

¹ThinkCyte K.K., Tokyo, Japan, ²Research Center for Advanced Science and Technology, The University of Tokyo, Tokyo, Japan

16:30-18:00 Symposium 3

Quality Assurance in Specimen Testing including Genetic Testing

Chairs: Hirotaka Matsui, National Cancer Center Hospital, Japan
Junghan Song, Seoul National University Bundang Hospital, Korea

SY3-1 Quality assurance of NGS-related tests at RIKEN Genesis

Takanori Washio, Bioinformatics Department, Riken Genesis Co., Ltd., Japan

SY3-2 Korean External Quality Assessment (EQA) Activities for Human Genetic Testing

Woochang Lee, Department of Laboratory Medicine, Asan Medical Center, University of Ulsan College of Medicine, Korea

SY3-3 Country report: Implementation of the Mongolian external quality assessment scheme on clinical laboratory testing

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