

April 11 (Sat)

8:00-9:00 Industry Workshop 4

Green Laboratories x Responsible Diagnostics: Professional Practice for Sustainability and Resilience (Co-sponsored by Techno Medica Co., Ltd.)

Chair: Tetsuro Sugiura, Kochi Medical School, Japan

- IW4-1 Green Laboratories x Responsible Diagnostics: Professional Practice for Sustainability and Resilience
Chia-Yi Hou, Departments of Clinical Pathology, Chi Mei Hospital, Liouying, Taiwan

9:00-10:30 Symposium 4

Utilization of AI in Laboratory Medicine (Including Generative AI)

Chairs: Akira Suwabe, New Tokyo Hospital, Japan
Sail Chun, University of Ulsan College of Medicine, Asan Medical Center, Korea

SY4-1 Status and Latest Findings of AI in Hematology Testing

Yoko Tabe, Yuki Horiuchi

Department of Laboratory Medicine, Juntendo University School of Medicine, Japan

SY4-2 AI in Laboratory Medicine: Expanding Horizons and Applications

*Kyu Tae Choi, Department of Laboratory Medicine, Chungnam National University School of Medicine, Daejeon, Korea /
Department of Laboratory Medicine, Chungnam National University Sejong Hospital, Sejong, Korea*

SY4-3 A Fully Automated Method for the Differential Counting of Bone Marrow Smears

Cheng-Kun Yang, Min-Sheng Wu, Po-Hsu Yang, Joe Yeh

aetherAI Co., Ltd., Taiwan

11:00-12:00 Plenary Lecture 2

Bayesian Applications in Clinical Laboratory Medicine

Chair: Munekazu Yamakuchi, Faculty of Medicine, Kagoshima University, Japan

PL-2 Bayesian Applications in Clinical Laboratory Medicine

Drew N. Maywar, Rochester Institute of Technology, Rochester, New York, USA

12:10-13:10 Industry Workshop 5 (Luncheon)

**Specimen Transport Systems as the Backbone of Total Laboratory Automation
– From Bench to Global Standard: Lessons from 40 Years of Real-World Operation–
(Co-sponsored by A&T Corporation)**

Chair: Akira Suwabe, Department of Laboratory Medicine, New Tokyo Hospital, Japan

- IW5-1 Specimen Transport Systems as the Backbone of Total Laboratory Automation
– From Bench to Global Standard: Lessons from 40 Years of Real-World Operation–
Ryosuke Kikuchi, Division of Clinical Laboratory, Gifu University Hospital, Japan

13:50-14:20 Industry Workshop 6

**Multimodal Laboratory Reporting Enabled by HIS/LIS Integration and MIDweb
(Co-sponsored by Seiko Tec Co., Ltd.)**

Chair: Masanori Iwata, Seiko Tec Co., Ltd., Japan

- IW6-1 Multimodal Laboratory Reporting Enabled by HIS/LIS Integration and MIDweb
Munekazu Yamakuchi, Teruto Hashiguchi
Department of Laboratory and Vascular Medicine, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan

14:20-14:50 Industry Workshop 7

**Automated Interpretation of Laboratory Data and Clinical Communication Using a Diagnostic Support System (DSS)
(Co-sponsored by Abbott Japan LLC)**

Chair: Yukio Ozaki, Fuefuki Central Hospital, Japan

- IW7-1 Automated Analysis of Laboratory Data and Clinical Communication Using a Diagnostic Support System (DSS)
Yosuke Sasaki¹, Ken Suzuki¹, Akira Yamamoto¹, Akito Ikuma¹, Meherdad Vaneghi Habibzadeh¹, Keiko Miyazaki¹, Kentaro Naoda¹, Osamu Yonekawa²
¹Department of Clinical Laboratory, Seirei Hamamatsu General Hospital, Japan
²Department of Clinical Laboratory Medicine, Seirei Hamamatsu General Hospital, Japan

14:55-16:25 Symposium 5

Implementation of Digital Transformation in Healthcare Worldwide

Chairs: Mikio Kamioka, Tenri Hospital, Japan
Won-Ki Min, University of Ulsan College of Medicine, Korea

SY5-1 Digital pathology transformation in cancer testing

Nike Beaubier, Tempus AI, USA

SY5-2 Development and implementation of an internal quality control improvement platform using patient test results

Se-Eun Koo, Hyung-Doo Park, Department of Laboratory Medicine and Genetics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

SY5-3 Realizing the Medical DX Reiwa Vision 2030: The Central Role of Standardized Laboratory Data in Japan's Digital Health Transformation

Koichiro Yuji, Project Division of International Healthcare Innovation Research, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan / Department of Clinical Laboratory, Research Hospital, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan