The Cherry Blossom Symposium (The International Conference of Laboratory Automation and Robotics) is one of the highly evaluated international conferences in the field of laboratory automation. It is my great honor to invite you to the 11th of this symposium on April 19 (Thur) to 21 (Sat) in 2018 in Morioka, Japan.

Since cherry blossoms were in full bloom in the first symposium held by late professor Sasaki, then this symposium has been called Cherry Blossom Symposium.

Japan and Korea played a key role in organizing this symposium and participants gathered from all the countries of the world of United States, Europe and Asia and discussed hot on the laboratory automation and robotics. In the former 10th memorial symposium held in Seoul in 2016, 335 people participated from 22 countries.

The number of 11th means the beginning of the next 10 times from the 11th to 20th. Then the main theme of this symposium was entitled as “Clinical Laboratory Automation - a bridge over the next two decades -” Based on the main theme, we would like to discuss hot on how we contribute to the worldwide progress in laboratory automation and robotics.

To realize this main theme, we are planning two plenary lectures focusing on the medical megabank project and the artificial intelligence (AI), five selected symposiums, two industry Workshop and one industry sessions by leading companies, industrial exhibitions and poster sessions in the program.

Participants may absorb not only cutting-edge knowledge on laboratory automation and robotics but also wide-variety progress in laboratory medicine.

Morioka is one of the most beautiful cities in Japan, where Kitakami-river, Shizukuishi-river, Nakatsugawa-river meet at the roots of Mt. Iwate called Iwate-Fuji which resembles of Mt. Fuji. Cherry blossoms will become in full bloom in Morioka in the middle of April when Cherry Blossom Symposium 2018 is held. We have many cherry blossom spots such as Ishiwari-Zakura, old Morioka castle Sakura, Ippon-Zakura. I am sure everything will please the eyes of the participants.

Moreover, you can also enjoy many kinds of locally brewed Japanese sake, sea foods from Sanriku-seacoast, Maeawa beef and many kinds of Morioka noodles.

We ardently welcome you to Morioka with Japanese traditional hospitality spirit “O-mo-te-na-shi”.

I expect many participants to the symposium.

Sincerely,

Akira Suwabe, M.D., Ph.D.
President, Organizing Committee
# ORGANIZING COMMITTEE

<table>
<thead>
<tr>
<th><strong>President</strong></th>
<th>Akira SUWABE</th>
<th>Iwate Medical University, Japan</th>
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<tr>
<td><strong>Board Member</strong></td>
<td>Masato MAEKAWA</td>
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<td>Yukio OZAKI</td>
<td>Fueluki Central Hospital, Japan</td>
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<td>Kyoko TAKEDA</td>
<td>St. Luke’s International Hospital, Japan</td>
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<td>Won-Ki MIN</td>
<td>University of Ulsan, Korea</td>
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<td>Junghan SONG</td>
<td>Seoul National University, Korea</td>
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<td>Sal CHUN</td>
<td>University of Ulsan, Korea</td>
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<td><strong>Honorary Board Members</strong></td>
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<td>Tosa Municipal Hospital, Japan</td>
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<td>Masayoshi HAYASHI</td>
<td>Sysmex Corporation, Japan</td>
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<td><strong>Program Committee</strong></td>
<td>Jyunichi ISHII</td>
<td>Fujita Health University, Japan</td>
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<td>Mitsuo KAKU</td>
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<td>Masahiro KOSHIBA</td>
<td>Hyogo College of Medicine, Japan</td>
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<td>Hiroki SHIMURA</td>
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<td>Naoto SHIMETANI</td>
<td>International University of Health and Welfare, Japan</td>
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<td>Shinichiro TAKAHASHI</td>
<td>Tohoku Medical and Pharmaceutical University, Japan</td>
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<td>Naoko TOJO</td>
<td>Sanraku Hospital, Japan</td>
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<td>Kazoru TOYAMA</td>
<td>Kawasaki Medical School, Japan</td>
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<td>Hayato MIYACHI</td>
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<td>Masami MURAKAMI</td>
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<td>Mitsuru MURATA</td>
<td>Keio University, Japan</td>
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<td>Keita MORIKANE</td>
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<td>Yutaka YATOMI</td>
<td>Tokyo University, Japan</td>
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<td>Katsunori YANAGIHARA</td>
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<td>Toshiyuki YAMADA</td>
<td>Jichi Medical University, Japan</td>
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<td>Takashi WADA</td>
<td>Kanazawa University, Japan</td>
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<td><strong>Advisor</strong></td>
<td>Jutaro TADANO</td>
<td>Kashiwa Kenshin Clinic, Japan</td>
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<td><strong>Office</strong></td>
<td>Keijiro SUZUKI</td>
<td>Iwate Medical University, Japan</td>
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<td>Ryouchi YUKIMORI</td>
<td>Iwate Medical University Hospital, Japan</td>
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</table>
08:50-09:00 Opening Ceremony

09:00-11:00 Symposium 1

Current Status of Laboratory Automation Systems
Chairs: Kyoko TAKEDA, St. Luke’s International Hospital, Japan
Hwan Sub LIM, Seoul Medical Science Institute, Korea

09:00-09:25 SY1-1 Laboratory automation: Important considerations for maximum operational value
Sunil SETHI, Department of Laboratory Medicine, National University Hospital, Singapore.

09:25-09:50 SY1-2 Laboratory automation systems in Australia - a bridge over the next two decades
Graeme CARTER, Australian Clinical Labs, Australia

09:50-10:10 SY1-3 Integrated laboratory automation system improves hospital quality and patient safety demonstrating performance of our hospital in Japan.
Yuki ODACHI, Chizumi FUKAZAWA, Kyoko TAKEDA, St. Luke’s International Hospital, Japan

10:10-10:35 SY1-4 Laboratory automation systems in Korea - for improving clinical effectiveness and patient outcomes -
Yeo-Min YUN, Konkuk University School of Medicine and Medical Center, Korea

10:35-11:00 SY1-5 Present and future of fully automated hematology and urinalysis in China
Wei CUI, Cancer Hospital, Chinese Academy of Medical Sciences, China

11:00-11:15 Break

11:15-12:15 Plenary Lecture 1

Chair: Sail CHUN, University of Ulsan, Korea

PL-1 IBM Watson Health – cognitive computing & healthcare
Toshifumi MIZOKAMI, IBM Japan, Japan

12:15-13:15 Industry Workshop 1 (Luncheon)

Chair: Teruto HASHIGUCHI, Kagoshima University, Japan

IW-1 Experimental fusion of different versions of the total laboratory automation system and improvement of laboratory turnaround time
Hae-Jung CHUNG, Yoon Kyung SONG, Sang-Hyun HWANG, Do Hoon LEE, Tetsuro SUGIURA
1Department of Laboratory Medicine, Konkuk University Medical Center, Korea; 2Department of Laboratory Medicine, National Cancer Center, Korea; 3Department of Laboratory Medicine, Asan Medical Center, University of Ulsan College of Medicine, Korea; 4Department of Laboratory Medicine, Kochi Medical School, Kochi University, Japan; 5Department of Clinical Laboratory, Tosa Municipal Hospital, Japan

13:15-14:00 Poster Session
April 20, Friday  |  DAILY PROGRAM

14:00-16:00  Symposium 2

Application of MS on Laboratory Medicine - Recent Advances in Microbiological Testing -
Chairs: Katsunori YANAGIHARA, Nagasaki University, Japan
Junghan SONG, Seoul National University, Korea

14:00-14:20  SY2-1  Recent and future development of mass spectrometry for diagnosis of infectious diseases
Ken KIKUCHI, Department of Infectious Diseases, Tokyo Women’s Medical University, Japan

14:20-14:45  SY2-2  Microbiology automation: using technology to increase productivity, decrease turnaround time, and improve patient care
Terri RIDDLE, Global Marketing, Beckman Coulter Microbiology, USA

14:45-15:10  SY2-3  Clinical application of mass spectrometry for microbial identification
Jeong Hwan SHIN, Department of Laboratory Medicine, Inje University College of Medicine, Korea

15:10-15:35  SY2-4  Powering comprehensive multiparameter protein analysis by using CyTOF® mass cytometry
Sebastian RODRIGUEZ, Fluidigm KK, Japan

15:35-16:00  SY2-5  Optimize medical treatment by Verigene System, multiplex molecular test
Jennifer Dien BARD, Clinical Microbiology and Virology Laboratory, Children's Hospital Los Angeles
Clinical Pathology, Keck School of Medicine of USC, USA

16:00-16:15  Break

16:15-18:15  Symposium 3

What do AI and IoT Bring Us?
Chairs: Hyosoon PARK, Sungkyunkwan University, Korea
Yukio OZAKI, Fuefuki Central Hospital, Japan

16:15-16:45  SY3-1  How do big data change laboratory medicine?
- our approach using the automated hematology analyzer
Aiko MASUDA1, 2, Hiromi KATAOKA1, Hajimu KAWAKAMI1, Hiroshi SHIMOSAKA2, Masahiro JONA2, Shinichiro YOKOTA2, Yutaka TATOMI1
1Division of Clinical Laboratory, Mitshui Memorial Hospital; 2Department of Clinical Laboratory, The University of Tokyo Hospital;
3Faculty of Health Science and Technology, Kawasaki University of Medical Welfare; 4Scientific Research, Sysmex Corporation;
5Department of Healthcare Information Management, The University of Tokyo Hospital, Japan

16:45-17:15  SY3-2  Changes in laboratory management by internet plus
Yongmei JIANG, Xiaojuan LIU, Medical laboratory, West China Second University Hospital, Sichuan University, China

17:15-17:45  SY3-3  AI-guided precision medicine approach to blood cancers
Anrihuc TOJO, Division of Molecular Therapy, The Institute of Medical Science, The University of Tokyo, Japan

17:45-18:15  SY3-4  Enhancement of laboratory management by cloud service based laboratory management assist system
(tentative name)
Hitomi MIURA, Tokyo Women's Medical University Hospital, Japan

18:30-21:00  Welcome Reception
09:00-11:00 Symposium 4

Laboratory Automation in Molecular Genetic Testing and Its Assurance
Chairs: Masato MAEKAWA, Hamamatsu University, Japan
Young Kyung LEE, Hallym University, Korea

09:00-09:30 SY4-1 Current status in genetic testing using NGS
Woochang LEE, University of Ulsan College of Medicine and Asan Medical Center, Korea

09:30-10:00 SY4-2 Progress of automation in molecular testing
Mah Sam YEW, Roche Diagnostics Asia Pacific Pte Ltd, Singapore

10:00-10:30 SY4-3 *PleSSision*: a pathologist edited multigene genomic test promotes cancer precision medicine
Hiroshi NISHIHARA, Keio Cancer Center, Genomics Unit, Keio University School of Medicine, Japan

10:30-11:00 SY4-4 International efforts for quality assurance in molecular-genetic testing
Hayato MIYACHI, Department of Laboratory Medicine, Tokai University School of Medicine, Japan

11:00-11:15 Break

11:15-12:15 Plenary Lecture 2
Chair: Akira SUWABE, Iwate Medical University, Japan

PL-2 Tohoku Medical Megabank Project: current status and future directions
Makoto SASAKI, Institute for Biomedical Sciences, Iwate Medical University, Japan

12:15-13:15 Industry Workshop 2 (Luncheon)
Chair: Hirotaka MATSUI, Kumamoto University, Japan

IW-2 Specimen management system by RFID technology
Shigeyuki MORIYAMA, International Business Department, Techno Medica Co., Ltd, Japan

13:15-14:00 Industry Session
Chairs: Dongchon KANG, Kyushu University, Japan
Jyunichi ISHII, Fuji Health University, Japan

13:15-13:30 IS-1 Experience the power of the Atellica® Solution, advanced diagnostics analyzers from Siemens Healthineers
Kon GRYLAKIS, Regional Business Leader, Laboratory Diagnostics, Asia Pacific, Siemens Healthcare, Japan

13:30-13:45 IS-2 Roche APAC laboratory benchmarking survey
Mah Sam YEW, Roche Diagnostics Asia Pacific Pte Ltd, Singapore

13:45-14:00 IS-3 Value expansion for testing laboratory in the future
Gaku SAITO, Marketing Manager, Professional Service, Abbott Diagnostics, Abbott Japan, Japan
**DAILY PROGRAM**

**Symposium 5**

**What does Ultimate Laboratory Automation Bring Us?**
Chairs: Won-Ki MIN, University of Ulsan, Korea
Tetsuro SUGIURA, Tosa Municipal Hospital, Japan

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
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<td>14:00-16:00</td>
<td><strong>Key Note Lecture</strong></td>
<td>Connecting the laboratory to the whole healthcare team</td>
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<td>Patricia M. JONES, University of Texas Southwestern Medical Center, Children's Medical Center Dallas, USA</td>
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<td>14:00-14:45</td>
<td><strong>Progress in laboratory automation in the university hospital</strong></td>
<td>Yoshihisa MATSUMURA, Tetsuro SUGIURA, Department of Laboratory Medicine, Kochi Medical School, Kochi University, Japan</td>
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<td>14:45-15:10</td>
<td>SY5-1 Progress in laboratory automation in the university hospital</td>
<td>Tsuyoshi TATSUNO, Operation Department Specimen Pretreatment Group, SRL Inc., Japan</td>
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<td>15:10-15:35</td>
<td>SY5-2 Progress in laboratory automation in the large-scale registered clinical laboratory</td>
<td>Jariya PHADUNGPATTANODOM, Pranangkla Hospital, Thailand</td>
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<td>15:35-16:00</td>
<td>SY5-3 Reducing waiting time for laboratory analytical report of Phranangkla Hospital</td>
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<td>16:00-16:30</td>
<td><strong>Closing Ceremony</strong></td>
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P-01 Influence of population selection on the 99th percentile reference value for a novel high-sensitivity cardiac troponin I assay
Fumihiko KITAGAWA1, Atsuhiro KUNO1, Kazuhiro NAKAMURA1, Jun TAKEDA1, Midori SAITO1, Takashi FUJITA1, Takashi ISHIKAWA1, Hiroyuki NARUSE1, Junnichi ISHI1.2
1Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University Hospital; 2Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University School of Medicine, Japan

P-02 Prognostic value of serum concentration of oxidized lipoprotein(a) for cardiovascular event in patients with coronary artery disease
Atsuhiro KUNO1, Fumihiko KITAGAWA1, Kazuhiro NAKAMURA1, Jun TAKEDA1, Midori SAITO1, Takashi FUJITA1, Takashi ISHIKAWA1, Hiroyuki NARUSE1, Junnichi ISHI1.2
1Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University Hospital; 2Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University School of Medicine, Japan

P-03 Protein S-specific activity as an indicator for thrombophilia
Naotaka HAMASAKI, Xiuri JIN, Tomohide TSUDA
Department of Clinical Chemistry and Laboratory Medicine, Kyushu University School of Medicine, and Shino-Test Corporation, Japan

P-04 The effect of lead toxicity in early brain development in industrial region of eastern Nepal
Mehta KD, Jha P, Das BK, Shershand O, Deo B, Poudel P
Baral NRIMAL1
1Department of Biochemistry, Psychiatry and Pediatrics, B.P. Koirala Institute of Health Sciences, Nepal

P-05 Laboratory automation of NMR-based metabolomics tests for diagnosis of human diseases
Ching-Wan LAM
The University of Hong Kong, Hong Kong

P-06 Evaluation of the Triage TOX Drug Screen assay for detection of 11 drugs of abuse and therapeutic drugs
Yongwha LEE
Soochunhyang University Bucheon Hospital, Soochunhyang University College of Medicine, Korea

P-07 Quality control for automated mass spectrometry microbial identification system
Rika FUKUSHIMA1, Masanori OHKUNA1, Keisichi YAMAMOTO1, Hirotaka MATSUMura1.2
1Department of Clinical Laboratory Medicine, Kumamoto University Hospital, Kumamoto University; 2Department of Molecular Laboratory Medicine, Faculty of Life Sciences, Kumamoto University, Japan

P-08 Manual versus automated streaking system in clinical microbiology laboratory: performance evaluation of Previ Isola in blood culture and body fluid samples
Qute CHO1, Sun Hoe KOO, Gye Cheol KWON
Department of Laboratory Medicine, Chungnam National University College of Medicine, Korea

P-09 The evaluation and analysis of APTT cross mixing test in Kagoshima University Hospital
Masato ISHIDA1, Enri MIYUCHI1, Mayumi TANIGUCHI1, Makio JINGUL1, Yuki OBAMA1, Masakazu MATSUSHITA1, Tomohisa TAKENOSHI1, Kenji ISHIDA1, Kazunori TAKENOUCHI1, Munekazu YAMAMOTO1.2, Teruyo HISHIGUCHI1.2
1Department of Laboratory Medicine, Kagoshima University Hospital; 2Department of Laboratory and Vascular Medicine, Kagoshima University Graduate School of Medical and Dental Sciences; 3Department of Hospital Emergency and Critical Care Medicine, Kagoshima University Hospital, Japan

P-10 Platelet distribution width from two automated hematology analysers: a correlation analysis
Young Kyung LEE, EunYup LEE, Han-Sung KIM, Hee Jung KANG, Miyoung KIM
Department of Laboratory Medicine, Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Korea

P-11 Evaluation of the Sysmex HISCL analyzer for the serum M2BPGi test used for diagnosis and monitoring of liver fibrosis and the correlation of M2BPGi with HbA1c
Young Ju OH, Suk Jungh LEE
Green Cross Laboratories, Korea
P-12  Quality control strategy for clinical chemistry laboratories using Multiple Instruments for each measurand
Eun Jin LEE, Sang-Hee LEE, Hoon HONG, Eun Sook SHIN, Won-kyu CHOI, Woochang LEE, Sa; CHUN, Won-Ki MIN
Asan Medical Center, University of Ulsan, College of Medicine, Korea

P-13  Performance evaluation of QIAGEN’s new NGS platform GeneReader and BRCA 1/2 panel
Eun Jin LEE, Eun Sook SHIN, Sang-Hee LEE, Hoon HONG, Won-kyu CHOI, Woochang LEE, Sa; CHUN, Won-Ki MIN
Asan Medical Center, University of Ulsan, College of Medicine, Korea

P-14  Comparison of safety and adhesiveness of four different medical adhesive tapes applicable for continuous glucose monitoring system
Hue Joon LEE1, Jung-Ah KIM1, Young Soon JUNG2, Young Joo CHA1,2,3
1Department of Laboratory Medicine, Chung-Ang University Hospital;
2Biomedical Research Institute, Chung-Ang University Hospital;
3Department of Laboratory Medicine, Chung-Ang University College of Medicine, Korea

P-15  Performance evaluation of two automated PIVKA II immunoassays in clinical samples
Boyeon KIM, Younhee PARK, Hyun-Suk KIM
Department of Laboratory Medicine, Yonsei University College of Medicine, Korea

P-16  Effect of blood sample tube change on turnaround time (TAT)
Hansol LEE, Minsoon PARK, Sun Min LEE
Department of Laboratory Medicine, Pusan National University Yongsan Hospital, Korea

P-17  Evaluation of the potential vulnerabilities of the new Sysmex web service for clinical laboratories and its countermeasures
Norio KOWATA, Kikuchi, Takahiro SAWAMURA1, Kenichi NONAKA2
1Daiyukai Research Institute for Medical Science; 2Daiyukai General Hospital, Japan

P-18  High levels of procalcitonin in a case of pulmonary neuroendocrine tumor
Masamichi ITOGA, Yoshihito TANAKA, Haisah TANAKA, Yoshiko ISHIKURA, Kaegaki TAMA, Norhiro SAI TO, Sadamoto TASAKA, Hiroyuki KAIABA
Ritsumeikan University Graduate School of Medicine, Japan

P-19  Evaluation of the efficacy of various reagents for improving micro RNA extraction and their applicability to an automated nucleic acid extraction system
Aizumi KIKUCHI1, Takahiro SAWAMURA2, Kenichi NONAKA2
1Daiyukai Research Institute for Medical Science; 2Daiyukai General Hospital, Japan

P-20  Rapid diagnosis and prompt treatment of mixed phenotype acute leukemia after identifying a histogram abnormality of an automatic blood cell analyzer
Re SAITO1, Hisayuki YOKOYAMA1, Kuniki MEGUIRO1, Hidashi HITOMI1, Yusuke OHBA1, Yoshikko IZUMI1, Shinichiro TAKANASHI1
1Department of Clinical Laboratory, Tohoku Medical and Pharmaceutical University Hospital;
2Department of Hematology, National Hospital Organization Sendai Medical Center;
3Division of General Medicine, Tohoku Medical and Pharmaceutical University Hospital;
4Division of Laboratory Medicine, Faculty of Medicine, Tohoku Medical and Pharmaceutical University, Japan

P-21  Connection between specimen transportation system and analyzer by robot
Toshiki SATO1, Atsushi KUMAGAI1, Yuchin OHMAD2
1Software Technology Engineering 2, Sysmex Corporation;
2Hardware Technology Engineering 2, Sysmex Corporation, Japan

P-22  Introduction of SNCS/eQAPi: Sysmex’s ISO/IEC 17043 accredited EQA programs
Yasushi HATI, Minoru TAKAYANAGI, Etsuko HAMASU, Tetsubu MAKINO, Masako KOGUCHI
Scientific Marketing, Scientific Affairs, Sysmex Corporation, Japan
P-23 Evaluation of LOCI technology-based thyroid blood tests: comparisons with the ECLIA and LC/MS/MS methods
Yusuke HANZAWA, Sayuri ENDO, Hiroshi KANEKO, Yuko ITO, Yoshikazu SASAKI, Yukio YAMADERA, Hiroki SHIBURA
Division of Clinical Laboratory and Department of Laboratory Medicine, Fukushima Medical University, Japan

P-24 What are the differences between dysmorphic type RBC and isomorphic type RBC in the information about urinary erythrocyte morphology acquired by an autoanalyzer?
Tomoji YUNO, Takahiro MATUMURA, Yutaka TAKINO, Hiroshi SHIBATA
Department of Medical Technology and Clinical Engineering, Faculty of Health and Medical Sciences, Hokkaido University, Japan

P-25 Development and usefulness of full-automated urinalysis system using a urine aliquot processor
Yoshiyuki MORITA, Kenichi SHIBUYA, Masami TAKAKA, Takashi HISASUE, Megumi SATO, Shinya SONE, Makoto KURANO, Yutaka YATOMI
Department of Clinical Laboratory, The University of Tokyo Hospital, Japan

P-26 Importance of JLC10 governance in the national medical big data project, MID-NET
Taeko HOTTAA, Dongchon KANG
1Department of Clinical Chemistry and Laboratory Medicine, Kyushu University Hospital; 2Department of Clinical Chemistry and Laboratory Medicine, Kyushu University Graduate School of Medical Sciences, Japan

P-27 Inhibitory effects of protease inhibitors on the false elevation in presepsin measurement by shaking test samples
Yurino UEGAKI, Takehiro OBARA, Mika OTobe, Yoshie KIKUCHI, Kazuhiro TOYOMAKI, Akira SUWABEA
1Division of Central Clinical Laboratory, Iwate Medical University Hospital; 2Department of Laboratory Medicine, Iwate Medical University School of Medicine, Japan

P-28 LIS interface and management program for quality control in LC-MS/MS
Yeo-Min YUN, Sang-Gyu CHEO, Myoung PARK, Hanah KIM, Hae-Won MOOON, Mina HUR
1Department of Laboratory Medicine, Konkuk University School of Medicine; 2Department of Laboratory Medicine, Konkuk University Medical Center, Korea

P-29 Plasma and urine neutrophil gelatinase-associated lipocalin for the detection of acute kidney injury: the diagnostic usefulness of simultaneous measurements
Yeo-Min YUN, Ahram YO, Seon-Hyeon SHIN, Hanah KIM, Hae-Won MOOON, Mina HUR
1Department of Laboratory Medicine, Konkuk University School of Medicine; 2Department of Laboratory Medicine, Konkuk University Medical Center, Korea

P-30 Lower sensitivity resulting from IAT for red-cell antibody screening using gel-column method comparing standard tube method (PEG-IAT)
Shou ODAWARA, Yutaka INOUE, Tomomi CHIDA, Yeouk SOOKAWA, Mhoko FUTONO, Junko TAKADE, Keiyo SUZUKI, Akira SUWABE
1Division of Clinical Chemistry and Laboratory Medicine, Iwate Medical University Hospital; 2Department of Laboratory Medicine, Iwate Medical University School of Medicine, Japan

P-31 Elevated plasma levels of soluble (pro)renin receptor in male and female patients with obstructive sleep apnea syndrome in parallel with the disease severity
Tsuguo NISHIMURA, Kazuhiro TAJIMA, Yoshihiro YAMASHIRO, Kieluske HOSOKAWA, Akira SUWABE, Kazuhiro TAKAHASHI, Shigeru SAKURA
1Department of Endocrinology and Applied Medical Science, Tohoku University Graduate School of Medicine; 2Department of Laboratory Medicine, Iwate Medical University School of Medicine, Japan

P-32 Hardships in renewal of clinical laboratory automation
Etsuko HAMADA, Masato MAEKAWA
Department of Laboratory Medicine, Hamamatsu University School of Medicine, Japan

P-33 Experimental study of Duffy antigen-binding chemokines in red blood cells
Shu OGASAWARAA, Tomomi AKASAKI, Norhiro SAITO, Hiroyuki KAYABA
1Clinical Laboratory, Hiroshi University Hospital; 2Department of Clinical Laboratory Medicine, Hiroshi University Graduate School of Medicine, Japan
P-34 Development of new rapid fluorescence-lateral flow immunoassay for the detection of hepatitis B surface antigen, hepatitis B surface antibody, and hepatitis C antibody
Ji Hyeong Ryu1,2, Mitsuk Kikuno1, Jong-Dee Moon1, Min-Woong Han2, Jeong-Min Lee3, Ki-Hyun Park4, So Jeong Yun4, Hyun Joo Bae5, Aera Choi1, Hyeyoung Lee1, Bongju Jung1, Juhee Jeong1, Kyungia Han5, Yonggoo Kim2
1Department of Molecular & Cell Biology, Graduate School, the Catholic University of Korea;
2Department of Laboratory Medicine, College of Medicine, Seoul St. Mary’s hospital, the Catholic University of Korea;
3Central Lab, R&D Center BODYTECH MED;
4SamKwang Medical Laboratories;
5Department of Biomedical Science, Daegu-Gyeongbuk Medical Innovation Foundation, Korea

P-35 Comparison of performance analysis between Immulite 2000 and ImmunoCAP systems for allergen-specific IgE quantification
Jiyoung Yang1, Hyeon Ryu2, Aera Choi3, Kyuyeong Park1, Jiyeong Ryu4, Jihyang Lim5, Eun-Jee Oh
Department of Laboratory Medicine, College of Medicine, The Catholic University of Korea, Korea

P-36 Comparison of signal-to-cutoff ratio from Elecsys and Siemens anti-HCV assays in predicting hepatitis C viremia
Seung-Hyo Yoo1, Aera Choi2, Kyung-He Cha3, Yonggoo Kim4, Eun-Jee Oh5
Department of Laboratory Medicine, College of Medicine, Seoul St. Mary’s hospital, the Catholic University of Korea, Korea

P-37 Comparison of three commercially available allergy screening tests for the clinically important allergens in Korea
Hyunji Choi1
Department of Laboratory Medicine, Kosin University Gospel Hospital, Korea

P-38 MCP-1 stored in RBC and plasma in healthy volunteers and patients with arteriosclerosis
Tomomi Akasaki1, Nonrio Saito1, Shu Ogasawara1, Kels Ishioka1, Satoko Minakawa1, Teruko Takeo2, Hiyoshi Kawan2
1Clinical Laboratory, Hirosaki University Hospital;
2Department of Clinical Laboratory Medicine, Hirosaki University Graduate School of Medicine;
3Department of Dermatology, Hirosaki University Graduate School of Medicine;
4Department of Respiratory Medicine, Hirosaki University Graduate School of Medicine;
5Department of Bioscience and Laboratory Medicine Hirosaki University Graduate School of Health Sciences, Japan

P-39 Performance evaluation and clinical usefulness of alpha-fetoprotein test measured on Sysmex HISCL-5000
Jaewan Jung1, Hyung-Doo Park2
Department of Laboratory Medicine & Genetics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea

P-40 Clinical usefulness of the molecular epidemiological analysis of Acinetobacter spp. using the PCR based phage open reading frame typing method
Suguru Hiramoto1, Hirono Machida2, Isumi Suda1, Rumi Okazaki3, Miki TakaHashi4, Tetsuo Machida5, Haruyoshi Tomita5, Masami Murakami6
1Clinical Laboratory Center, Gunma University Hospital;
2Department of Bacteriology, Gunma University Graduate School of Medicine;
3Department of Clinical Laboratory Medicine, Gunma University Graduate School of Health Sciences, Japan

P-41 Selective screening for 3 lysosomal storage disorders using triplex tandem mass spectrometry assays in high-risk populations of Korea
Sung-En Choi1, Su-Min Kim2, Joung Ryul Kwak2, Dong Hee Seo3, Junghan Song3
1LabGenomics Clinical Laboratories;
2Department of Laboratory Medicine, Seoul National University College of Medicine;
3Department of Laboratory Medicine, Seoul National University Bundang Hospital, Korea

P-42 Tobacco exposure modulates pro-(IL-12) and anti-(IL-10) gene expression and affects the survival of prostate carcinoma patients
Shalini Dwivedi1, Apul Goel1, Sanjay Khattri1, Anil Mandhapari2, Sanjeev Misra3, Kamlesh Kumar Pawan4, Proweek Sharma1
1Department of Biochemistry, all India Institute of Medical Sciences (AIIMS); 2Department of Urology, King George Medical University (KGMU); 3Department of Pharmacology and Therapeutics, King George Medical University (KGMU); 4Department of Urology, Sanjay Gandhi Post Graduate Institute of Medical Sciences; 5Department of Surgical Oncology, All India Institute of Medical Sciences (AIIMS), India

P-43 Evaluation of serum zinc concentration using protein fraction waveform data
Tetsuto Hisahara1, Hiromi Kato1, Shiego Yamanaka1, Mikio Kambara1, Tetsuro Sugikura2, Yoshitaka Matsumura1
1Department of Clinical Laboratory; Kochi Medical School; 2Department of Medical Technology, Faculty of Health Science and Technology, Kawasaki University of Medical Welfare; 3Department of Laboratory Medicine, Kochi Medical School, Japan
GENERAL INFORMATION

Hours of Operation

<table>
<thead>
<tr>
<th></th>
<th>April 19 (THU)</th>
<th>April 20 (FRI)</th>
<th>April 21 (SAT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Desk 4F</td>
<td>16:00-18:00</td>
<td>07:30-18:00</td>
<td>07:30-15:30</td>
</tr>
<tr>
<td>Speaker Preview Desk 4F</td>
<td>07:30-18:00</td>
<td>07:30-15:30</td>
<td></td>
</tr>
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</table>

Registration

On-site Registration

<table>
<thead>
<tr>
<th></th>
<th>JPY</th>
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</thead>
<tbody>
<tr>
<td>Students</td>
<td>7,500</td>
</tr>
<tr>
<td>Medical Technologists</td>
<td>15,000</td>
</tr>
<tr>
<td>Other Attendants</td>
<td>30,000</td>
</tr>
<tr>
<td>Accompanying Person</td>
<td>2,000</td>
</tr>
</tbody>
</table>

- Japanese Yen, cash only.
- The above registration fees include a program-abstract book, all symposium activities, exhibition and coffee breaks.
- Exception Accompanying Person Fees include only reception and exhibition.
- Name Badges Name badges are required for admission to all sessions, exhibition hall, lunches and welcome reception.

Pre-registration

- Pre-registrants submit a certificate at the time of registration to the reception and pay the participation fee.
- Pre-registrants, who payed the fee already, submit the certificate and receive the name card.

Official Language

The official language of CBS 2018 is English.
The translation is basically from English to Japanese.

Presentation Guideline

Symposium & Plenary Lecture

- The Organizing Committee will operate a preview desk for presenters to check their presentation material.
- PC will be provided with Windows 10 and Microsoft 2016 for presentations.
- It is possible to bring your own laptop. In the case, we ask that you test your laptop with the monitor located in the session desk 2 hours before the session begins in order to avoid delays.
- If you use a Macintosh for the presentation, please bring the gender (cable) and test it in the session desk before your presentation.
GENERAL INFORMATION

Poster Presentation
- All presenters are requested to affix and remove posters on the appropriate dates and times as indicated below.
- At least one of the authors is required to be in front of their poster at 13:15-14:00 on April 20 (Fri) to answer any question by participants.

<table>
<thead>
<tr>
<th>Place</th>
<th>4th Floor Foyer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poster Set UP</td>
<td>April 20 (FRI), 07:30 - 09:30</td>
</tr>
<tr>
<td>Poster Dismantling</td>
<td>April 21 (SAT), 16:15 - 16:45</td>
</tr>
<tr>
<td>Poster Presentation</td>
<td>April 20 (FRI), 13:15 - 14:00</td>
</tr>
</tbody>
</table>

Poster Award
- The CBS 2018 Organizing Committee is pleased to offer the Best Poster Award, Poster Award and Travel Award as part of its efforts to honor outstanding scientific performance and achievements. The qualified persons will receive a certificate and grant.
- Award presentations will be held during the Welcome Reception on April 20 (Fri) from 18:30-21:00.

<table>
<thead>
<tr>
<th>Kinds of awards</th>
<th>Number</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Best poster award</td>
<td>2-3</td>
<td>¥50,000</td>
</tr>
<tr>
<td>- Poster award</td>
<td>3-5</td>
<td>¥30,000</td>
</tr>
<tr>
<td>- Travel award (only for foreigners)</td>
<td>3-5</td>
<td>¥30,000-¥50,000</td>
</tr>
<tr>
<td>- Special awards</td>
<td>uncertain</td>
<td>uncertain</td>
</tr>
</tbody>
</table>

Official & Social Programs

OPENING CEREMONY
08:50 - 09:00 April 20 (FRI), 4th Floor Metro Hall

WELCOME RECEPTION
18:30 - 21:00 April 20 (FRI), 11th Floor Galaxy
Participation fee: 2,000 JPN per person (Please pay at the registration counter. Cash only)
* The authors of the poster presentation are invited without paying the fee.
Opening: Morioka SANSA Dancing
Poster Award Ceremony
Event: WANKO SOBA Competition

CLOSING CEREMONY
16:00 - 16:30 April 21 (SAT), 4th Floor Metro Hall
At the end of CBS2018, we promise to meet again at next conference.
GENERAL INFORMATION

Site Tour

Date & Time

<table>
<thead>
<tr>
<th>Course</th>
<th>Itinerary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hotel</td>
<td>April 19 (Thu) 11:00-12:30 Hotel</td>
</tr>
<tr>
<td>World Heritage Site Chūson-ji Temple</td>
<td>12:30-13:30 World Heritage Site Chūson-ji Temple</td>
</tr>
<tr>
<td>Industrial park</td>
<td>14:10-15:10 Industrial park</td>
</tr>
<tr>
<td>Hotel</td>
<td>15:10-16:30 to Hotel</td>
</tr>
</tbody>
</table>

Participation Fee

2,000 JPY per person

Coffee Break & Lunch

- Coffee will be served in the 4F lobby during breaks.
- Lunch will be provided on April 20 – 21 through Industry Workshops with lunchboxes.

Certificate of Attendance

- Certificates of attendance and receipts will be issued upon request at the registration counter.

Wireless Internet Access

- Wifi internet access will be available at the conference.

Useful Phone Numbers

- Police 110
- Fire and Ambulance 119
- Medical Emergency 119

Useful Travel Website

- Trip to Iwate: http://www.japan-iwate.info/access/index.html
- Highlights of Morioka City: http://www.city.morioka.iwate.jp/

After the Conference

Secretariat | Department of Laboratory Medicine, Iwate Medical University School of Medicine
19-1 Uchimaru, Morioka, 020-8505, Japan
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KAINOS Laboratories, Inc.
KANTO CHEMICAL CO., INC.
KYOKUTO PHARMACEUTICAL INDUSTRIAL CO., LTD.
Kyowa Medex Co., Ltd.

The Fellow Organization of The Department of Laboratory Medicine,
Iwate Medical University School of Medicine, Japan

Chuichi ITO
Hideaki MUKAIDA
Hiroaki MIYANUMA
Hiroo TAKAHASHI
Hisashi MURAKAWA
Kazuhiko HOTTA

Kiyoshi YOKOTA
Masae ASANUMA
Masazumi SAKAUCHI
Michiko ORISAKA
Michiyo HIRANO
Motoaki SATO

Naoki MORIYA
Sachiko WADA
Shinji MAKITA
Takashi MAKINAE
Tetsunobu SAWADA

(April 3rd, 2018 at present)
The Federation of Pharmaceutical Manufacturers’ Associations of JAPAN

Alfresa Pharma Corporation
Asahi Kasei Corporation
ASKA Pharmaceutical Co., Ltd.
Astellas Pharma Inc.
AstraZeneca K.K.
Bayer Yakuhin, Ltd.
Bristol-Myers Squibb Co.
CHUGAI PHARMACEUTICAL Co., Ltd.
DAIICHI SANKYO Co., Ltd.
Eiken Chemical Co., Ltd.
Eisai Co., Ltd.
ELMED EISAI Co., Ltd.
Fuso Pharmaceutical Industries, Ltd.
GlaxoSmithKline K.K.
JAPAN TOBACCO INC.
KAKEN PHARMACEUTICAL Co., Ltd.
KISSEI PHARMACEUTICAL Co., Ltd.
Kowa Company, Ltd
Kracie Pharmaceutical, Ltd.
KYORIN Pharmaceutical Co., Ltd.
Kyowa Hakko Kirin Co., Ltd.
Maruho Co., Ltd.
Maruishi Pharmaceutical Co.,Ltd.
Meiji Seika Pharma Co., Ltd.
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Mitsubishi Tanabe Pharma Corporation
MOCHIDA PHARMACEUTICAL Co., Ltd.
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ONO PHARMACEUTICAL Co., Ltd.
Otsuka Pharmaceutical Co., Ltd.
Otsuka Pharmaceutical Factory, Inc.
Pfizer Japan Inc.
ROHTO Pharmaceutical Co., Ltd.
Sanofi K.K.
Santen Pharmaceutical Co., Ltd.
SANWA KAGAKU KENKYUSHO Co., Ltd.
SATO PHARMACEUTICAL Co., Ltd.
Sawai Pharmaceutical Co., Ltd.
SHIONOGI & Co., Ltd.
SSP Co., Ltd.
Sumitomo Dainippon Pharma Co., Ltd.
TAIHO PHARMACEUTICAL Co., Ltd.
Taisho Pharmaceutical Co., Ltd.
Takeda Pharmaceutical Co., Ltd.
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TSUMURA & Co.
Wakamoto Pharmaceutical Co., Ltd.
Yakult Honsha Co., Ltd.
Zeia Pharmaceutical Co., Ltd.