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IFCC WorldLab SEOUL 2022

24th INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE

16th ASIA-PACIFIC CONGRESS OF CLINICAL BIOCHEMISTRY

June 26–30, 2022
Coex, Seoul, Korea

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IFCC WELCOME MESSAGE

Dear Friends and Colleagues,

it is my great pleasure to present this welcoming message to all national and international conference participants, corporate sponsors, exhibitors and IFCC officers from around the world. The IFCC WorldLab Congress presents a unique opportunity to bring together laboratory medicine experts and industry partners from all regions of the world to discuss the latest advances in clinical laboratory science and diagnostics technology. I would like to personally invite each one of you to attend the 2022 WorldLab Congress in the beautiful and vibrant city of Seoul. The conference is being held in the Asia-Pacific region which is witnessing the highest rates of economical and technological growth around the world in many areas including in vitro diagnostics. It's an exciting and fast evolving time for the field of clinical chemistry and laboratory medicine and this conference would be an excellent opportunity to present and discuss the latest advances in clinical laboratory diagnostics and meet colleagues from around the world. It is also a very opportune time to be holding this international forum to highlight the very important role of laboratory medicine in healthcare delivery including the global fight against public health threats such as the current coronavirus pandemic. What is becoming very clear during this crisis is that clinical laboratory operations have been critical in the global response to this unprecedented pandemic through rapid diagnosis of viral infection, serological monitoring of the affected populations, and biochemical monitoring of hospitalized patients with more severe COVID-19 induced complications. The WorldLab congress is an excellent opportunity to bring together experts in various fields of laboratory diagnostics to discuss the major advances in molecular, serological, biochemical, and hematological assessment of patients with coronavirus infection as well as other infectious diseases. Special sessions are being planned to discuss and highlight the critical and central role of the clinical laboratory in population screening and public health measures at national and international levels.

The IFCC organization is pleased to partner with the Korean Society of Clinical Chemistry and Asia-Pacific Federation of Clinical Biochemistry to hold this important international event, assembling laboratory scientists and IVD industry leaders from IFCC regional federations and member countries around the globe. I very much look forward to meeting many of you and discussing the opportunities and challenges for laboratory medicine over the coming decade. the future holds considerable promise for the field of laboratory diagnostics and its umbrella organizations such as IFCC. As IFCC continues to grow and expand its international reach, we remain committed to the key goal of advancing better healthcare worldwide through high quality laboratory diagnostics.

After two years of lockdowns and travel restrictions in almost all regions across the world, I am certain that most of you are very eager to get together again in an international forum. The 2022 WorldLab provides an excellent and timely opportunity to do just that. Looking forward to seeing many of you in Seoul, a city that not only has a very rich and ancient history and culture, it is also now ranked as an alpha world city with the world's 4th largest metropolitan economy!

Khosrow Adeli PhD, FCACB,
DABCC, FAACC
IFCC President (2020-2023)

APFCB WELCOME MESSAGE

Dear Participants of the 2022 Worldlab & APFCB Congress,

it is with great pleasure that I welcome you all to this Worldlab 2022.
After having more than two years of only remote meetings and conferences, this congress celebrates not only the collaboration of the three organisations, IFCC, APFCB and KSCC, for the first time in history, but also the first time we are able to physically gather again in-person, embracing a new normal where handshakings and warm hugs are possible, and yet strong control of transmission is being practiced.

Laboratory professionals around the globe have learned a lot during the pandemic. Never before in history has the laboratory been in such a critical position, playing an essential role in the fight against the deadly Covid-19. Many experiences will be shared during this conference. I hope all participants will enjoy the scientific programs, and go home more motivated to practise the best of knowledge learned during the conference.

I take this opportunity to thank the IFCC for it's strong support, to make this congress possible. We also thank KSCC for the commitment and hard work for organising a completely new business model of conducting conferences in this transition period. We are aware that it has not been easy for coming to the best decisions in such an uncertain and ever-changing situation we faced. But with strong commitments, and with grateful hearts that the pandemic is now coming to a lowest-ever level, we are able to make it all come true. We certainly thank all the participants, attending in-person as well as virtually, because you all will be the indicator of the success of this congress.

I wish you all a productive and enjoyable week ahead.

Prof Dr Sunil Sethi
APFCB President

KSCC WELCOME MESSAGE

Dear Colleagues and Friends,

it is with great delight that we welcome you to the 24th International Congress of Clinical Chemistry and Laboratory Medicine & 16th Asia-Pacific Congress of Clinical Biochemistry at Coex, Seoul, Korea from June 26 to 30, 2022.
Also, we are pleased to announce that this Congress in Seoul will be held jointly with the 16th APFCB (Asia-Pacific Federation of Clinical Biochemistry) Congress in June 2022. The IFCC and APFCB have agreed that a joint conference would be more attractive and beneficial for both conference delegates and corporate sponsors and will ensure wider participation from laboratory professionals and industry partners across Asia-Pacific and around the world.
Since the first IFCC congress in 1954, the main goal of the conference has been the globalization of medical knowledge related to Clinical Chemistry and Laboratory Medicine through a well-structured system of continuing education. As originally planned, we do our best to provide you with the exciting and informative symposium program including plenary lectures, educational workshops, satellite meetings and poster sessions.
COVID-19 has faced many challenges, but the world is working together to overcome this global disaster. Always hoping that everything will get back on track like it used to be as soon as possible, we are confident that this Joint Congress 2022 will be a rewarding and unforgettable experience for all our participants attending from around the world.

We look forward to meeting you at the 24th IFCC WorldLab & 16th APFCB in June 2022.
Yours truly,

Won-Ki Min M.D.,Ph.D.
Congress President,
IFCC WorldLab Seoul 2022

Junghan Song M.D.,Ph.D.
Congress Organizing Committee Chair
IFCC WorldLab Seoul 2022

Sail Chun M.D.,Ph.D.
Scientific Programme
Committee Chair,
IFCC WorldLab Seoul 2022

Jehoon Lee M.D.,Ph.D.
President,
Korean Society of Clinical
Chemistry

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Prof. Won-Ki Min

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(1) Korean Society of Clinical Chemistry
(2) Korean Society for Laboratory Medicine

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IFCC DISTINGUISHED AWARDS

THE IFCC IS PLEASED TO ANNOUNCE THE WINNERS OF THE TEN 2020 IFCC DISTINGUISHED AWARDS.

The IFCC Distinguished Awards are bestowed to laboratory medicine professionals to recognize their outstanding achievements, publicize their exceptional research and contributions to medicine and healthcare, and encourage the overall advancement of clinical chemistry and laboratory medicine.

Prof. Nader RIFAI (United States)
IFCC-Howard Morris Distinguished Clinical Chemist Award, sponsored by Yashraj Biotechnology Ltd.

Dr Ghassan SHANNAN (Syria)
IFCC Henry Wishinsky Award for Distinguished International Services, sponsored by Siemens.

Dr Thomas ANNESLEY (United States)
IFCC Award for Distinguished Contributions in Education, sponsored by Abbott Diagnostics.

Dr Andrea FERREIRA-GONZALEZ (United States)
IFCC Award for Significant Contributions in Molecular Diagnostics, sponsored by Abbott Molecular.

Dr David B. SACKS (United States)
IFCC Distinguished Award for Laboratory Medicine and Patient Care, sponsored by Sekisui Diagnostics.

Dr Gary L. MYERS (United States)
IFCC-Robert Schaffer Award for Outstanding Achievements in the Development of Standards for Use in Laboratory Medicine, co-sponsored by NIST and CLSI.

Dr Fred S. APPLE (United States)
IFCC Distinguished Award for Contributions to Cardiovascular Diagnostics, sponsored by HyTest.

Dr Jean Baptiste WOILLARD (France)
IFCC-Gérard Siest Young Scientist Award for Distinguished Contributions in Pharmacogenetics, sponsored by Biologie Prospective.

Dr Sandra QUIJANO (Colombia)
IFCC Distinguished Women Scientist Award For Contribution To In Vitro Diagnostics, sponsored by Yashraj Biotechnology Ltd.

Dr Livia S. EBERLIN (United States)
IFCC Young Investigator Award, sponsored by IFCC.

IFCC ROCHE TRAVEL SCHOLARSHIPS

The IFCC is proud to announce the recipients of the IFCC-Roche Travel Scholarships

Tegared Henok Andualem (Ethiopia)
Antigoni Poulopoulou (Greece)
I Putu Yuda Prabawa (Indonesia)
Rima Hayyu Chrisnanda (Indonesia)
Yunika Puspa Dewi (Indonesia)
Amita Yadav (India)
Prasad Naidu Mundllamudi (India)
Taru Goyal (India)
Kiran Venkata Satya Naga Kumar Pilla (India)
Agness Lakudzala (Malawi)
Bako Hauwa (Nigeria)
Njoku Chidiadi Maryann Atuegbu (Nigeria)
Obianyido Ozioma Ebere (Nigeria)
Oby Onyemailoh Obiageli Bridget (Nigeria)
Apeksha Niraula (Nepal)
Rakesh Pokhrel (Nepal)
Uttam Budhathoki (Nepal)
Othaniel Philip R. Balisan (Philippines)
Jamilah Campos Baragona (Philippines)
Rizana Kausar (Pakistan)
Siraj Muner (Pakistan)
Mohammed I. K. Alhaddad (Palestine)
Gawri Prabhashika Nandasena Abeynayake (Sri Lanka)

APFCB AWARDS

The Education and Laboratory Management Committee of the APFCB is proud to announce the APFCB Young Scientist Awards.

The successful awardees are the following:

Fauqa Arinil Aulia - Indonesia
Victoria Indah Mayasari - Indonesia
Sushant Pokhrel - Nepal
Julie Sherfan - Australia
L Malavika - India
Shruti Gupta - India
Prasenjit Mitra - India
Smriti Suri - India
Kay Weng Choy - Australia
P. Padmavathi - India
Saswati Das - India
Mark Raymund G. Nava - Philippines

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WEEK AGENDA

SUNDAY 26 JUNE

17:30-19:30	OPENING CEREMONY
19:30-21:30	WELCOME COCKTAIL

MONDAY 27 JUNE

10:00-17:30 EXHIBITION OPEN

	AUDITORIUM	ROOM 103	ROOM 101	ROOM 102	ROOM 104	ROOM 105
09:00-11:00	SYM1 Applications of data science to the improvement of laboratory practice	SYM2 Best laboratory practices for kidney disease	SYM3 Value added laboratory medicine of Point-of-Care Testing (POCT)	SYM4 To know each other in mass spectrometry	SYM5 Current status of accreditation activities in laboratory medicine: do we need it to become obligatory?	IFCC SYM1 A new era in medical laboratory diagnostics management: application of advanced mobile & web technology
11:00-11:45	BREAK					
11:45-12:30	PL 1 Maximizing the value of laboratory medicine in Korea					
12:30-13:00	POSTER / LUNCH					
13:00-14:00		LW 1 Roche The golden age of the clinical lab as we transition from volume to value - Clinical Lab 2.0 Movement 13.00-14.00	LW 2 Binding Site Workflow solutions for the management of monoclonal gammo-pathies and primary immunodeficiencies – Freelite®, Hevylite® and igg subclasses 13.00-14.00		LW4 Siemens Healthineers Utilizing High-sensitivity Cardiac Troponin Assays for Improved Early Diagnostics: Laboratory Medicine and Clinical Practice Guidelines 13.00-14.00	Korean Student Session 12.00-14.00
14:30-15:30	IFCC SYM 2 Using big data for improving healthcare 15:00-17:00	EDUW2 Roche Cardiac Biomarkers: The Key to Early Intervention 14.30-15.30	EDUW5 Snibe Diagnostic Thyroid Assays: Where do We Stand? 14.30-15.30	EDUW8 GC Labs Diagnostics and testing landscape beyond Covid-19: Dynamics of an evolving market 14.30-15.30	EDUW11 Siemens Healthineers Serum free light chains assays: analytical and clinical performance on different analyzers 14.30-15.30	EDUW13 Beckman Coulter Intelligent automation for all: advanced intelligent automation can help labs of all sizes improve workflow, sample turnaround time (tat) and healthcare delivery 14.30-15.30
16:00-17:00		EDUW3 Seegene Response of Seegene medical foundation on Covid-19 pandemic 16.00-17.00		EDUW9 GC Genome AI-based Liquid Biopsy Test. AI-based Non-invasive prenatal Test (NIPT). Association of gut microbiome and hypertension 16.00-17.00	EDUW12 Arkray HbA1c in the monitoring, diagnosis and screening of diabetes: views on quality requirements in relation to its clinical use. Analytical Performance Evaluation of the Arkray ADAMS HA-8190V HbA1c Analyzer 15.30-16.30	EDUW14 Ortho Clinical Diagnostics In-vitro diagnostics in acute and critical care – make the right decisions for your most important patients and drive improved clinical and health economic outcomes with diagnostics. Novel HbA1c enzymatic microslide dry chemistry assay 15:30-16:30
17:30-18:30					SYM6 State of the art; proficiency testing 16:30-18:30	SYM7 Issues on method evaluation 16:30-18:30

TUESDAY 28 JUNE

10:00-17:30 EXHIBITION OPEN

	AUDITORIUM	ROOM 103	ROOM 101	ROOM 102	ROOM 104	ROOM 105
09:00-11:00	SYM8 Applying evidence-based guidelines to increase clinical effectiveness in laboratory medicine	SYM9 Implementation of pharmacogenomics in the clinic	SYM10 Ethical issues in laboratory medicine	SYM11 Future application of automation in clinical laboratory	SYM12 The role of laboratory in the management of sepsis	IFCC SYM3 The future of standardization in laboratory medicine: challenges and opportunities
11:00-11:45	BREAK					
11:45-12:30	PL 2 Pharmacogenomics: from discovery to clinic					
12:30-13:00	POSTER / LUNCH					
13:00-14:00		LW 6 Thermo Fisher Scientific Cascadion™: Unlock the power of LC-MS/MS in your clinical lab 13.00-14.00	LW 7 Abbott Total laboratory solution helping labs to achieve operational excellence 13.00-14.00	LW 8 GC MS The nature of Smart DNA polymerase makes the difference of Liquid biopsy. New PETIA for Procalcitonin – Routine experience and lessons learned from EQA evaluation 13.00-14.00	LW 9 Sysmex Hematology and Sepsis with Sysmex Laboratory Solutions. 13.00-14.00	Korean Student Session 12.00-14.00
14:30-15:30	IFCC SYM 4 Emerging technologies: new trends and Clinical applications 15:00-17:00	EDUW16 Roche Improvement Insights from Clinical Lab Benchmarking Survey 14.30-15.30	EDUW19 Beckman Coulter Monocyte distribution width, new cellular biomarker 14.30-15.30	EDUW22 Siemens Healthineers The value of ELF test in the screening and management of non-alcoholic fatty liver disease 14.30-15.30	EDUW25 Sebia New opportunities to measure HbA1c by capillary electrophoresis 14.30-15.30	EDUW27 SCL Clinical laboratory application of mass spectrometry 14.30-15.30
16:00-17:00		EDUW17 Snibe Diagnostic Total & Free-Testosterone Assays in Support of Diagnosis of Hypogonadism and Fertility The molecision sars-cov-2 rt-pcr and the rapisafe antigen test in fighting the pandemic 16.00-17.00				EDUW28 A&T Corporation Introduction of Green Cross Laboratories & Total Laboratory Automation System 15:30-16:30
17:30-18:30			EDUW21 Handok Targeted omics for clinical and translational research 17.30-18.30		SYM13 The microbiome: Present and future challenges in laboratory medicine 16:30-18:30	SYM14 Therapeutic drug monitoring: Technical and clinical experience 16:30-18:30

PL = PLENARY LECTURE
SYM = SYMPOSIUM
EDUW = EDUCATIONAL WORKSHOP (SPONSORED BY INDUSTRY)
LW = LUNCH WORKSHOP (SPONSORED BY INDUSTRY)

WEDNESDAY 29 JUNE

10:00-17:30 EXHIBITION OPEN

	AUDITORIUM	ROOM 103	ROOM 101	ROOM 102	ROOM 104	ROOM 105
09:00-11:00	SYM15 Utilization management of laboratory test	SYM16 Clinical application of high sensitivity cardiac troponin assays	SYM17 Traceability in the laboratory medicine – vital for clinical value	SYM18 Updates on liquid biopsy	SYM19 APFCB Laboratory monitoring of coagulation	SYM20 Haemoglobin A1c analysis; continual improvement
11:00-11:45	BREAK					
11:45-12:30	PL 3 Adding clinical utility to the laboratory reports					
12:30-13:00	POSTER / LUNCH					
13:00-14:00			LW 12 Abbott Driving meaningful cardiovascular outcome with high sensitive Troponin-I in both patients with chest pain and apparently healthy populations 13.00-14.00		LW 14 Sysmex Hemostasis analysis with Sysmex Laboratory Solutions 13.00-14.00	Korean Student Session 12.00-14.00
14:30-15:30	IFCC SYM 5 Achieving healthcare excellence: the UNIVANTS awards 2019 15:00-17:00		EDUW33 BD Next Generation Blood Collection 14.30-15.30		SYM 30 Protein Electrophoresis standardization 14.30-16.30	SYM 32 Essential leadership skills: shaping future leaders for success in laboratory management 14.30-16:30
16:00-17:00						
17:30-18:30					SYM21 The state of the art in myeloma testing 16:30-18:30	SYM22 Clinical diabetes; is it time to change practice? 16:30-18:30

THURSDAY 30 JUNE

	AUDITORIUM	ROOM 103	ROOM 101	ROOM 102	ROOM 104	ROOM 105
09:00-11:00	SYM23 Standardization and harmonization of clinical laboratory results	SYM24 Clinical pathologists as a clinical consultant	SYM25 WASPALM		SYM27 Advances in next generation sequencing	SYM28 APFCB - LIT symposium
11:00-11:45	BREAK					
11:45-12:30	PL 4 APFCB NGS analysis of genetic diseases					
12:30-13:00	CLOSING CEREMONY					

26 JUNE OPENING LECTURE

OPENING CEREMONY

17:30-19:30 - AUDITORIUM

IFCC President Welcome Address
Khosrow Adeli
APFCB President Welcome Address
Endang Hoyaranda
Congress President Welcome Address
Won-Ki Min

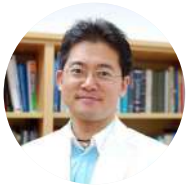
IFCC DISTINGUISHED AWARDS PRESENTATION

Prof. Nader RIFAI (United States)
Dr Ghassan SHANNAN (Syria)
Dr Thomas ANNESLEY (United States)
Dr Andrea FERREIRA-GONZALEZ (United States)
Dr David B. SACKS (United States)
Dr Gary L. MYERS (United States)
Dr Fred S. APPLE (United States)
Dr Jean Baptiste WOILLARD (France)
Dr Sandra QUIJANO (Colombia)
Dr Livia S. EBERLIN (United States)

OPENING LECTURE

ALMIGHTY GOOGLE KNOWS EVERYTHING ABOUT YOU!

Hawoong Jeong (Korea)



H. JEONG
(Korea)

Prof. Hawoong Jeong is currently professor of physics and director of BK21+ program at KAIST, Korea.
He got his Ph.D. in physics at Seoul National University, and his research area includes big-data, complex systems, statistical/computational physics and interdisciplinary science.He published about 100 research papers with more than 20,000 citations in diverse areas including physics, computer science, social science and biology.
He got several awards including KAIST best lecturer, KPS Yongbong prize, the Scientist of the month award.
He has also been selected as Young Scientist at 2012 Summer Davos World Econo Forum.

19:30 Welcome Cocktail Reception

DAY 1
MONDAY 27 JUNE

09:00-11:00

SYMPOSIUM 1 - AUDITORIUM
APPLICATIONS OF DATA SCIENCE TO THE IMPROVEMENT OF LABORATORY PRACTICE
Chair: T. Badrick (USA)

Artificial intelligence and pathology data
T. Durant (USA)

Real time patient QC - middleware requirements and model validation
T. Badrick (Australia)

Open source tools for quality monitoring and utilization management
D. Holmes (Canada)

Application of big data to routine laboratory tests in a large hospital network
H. H. Kim (Korea)


T. DURANT
(USA)


T. BADRICK
(Australia)


D. HOLMES
(Canada)


H.H. KIM
(Korea)

SYMPOSIUM 2 - ROOM 103
BEST LABORATORY PRACTICES FOR KIDNEY DISEASE
Chairs: T. Jeong (Korea)

Clinical utility of biomarkers for acute kidney Injury
J. M. El-Khoury (USA)

Diagnostic proteomic markers to detect kidney diseases
T. Ozben (Turkey)

The role of laboratory testing in detection and classification of chronic kidney disease
T. D. Jeong (Korea)

Estimating GFR – what's next?
G. Jones (Australia)


J.M. EL-KHOURY
(USA)


T. OZBEN
(Turkey)


T.D. JEONG
(Korea)


G. JONES
(Australia)

SYMPOSIUM 3 - ROOM 101
VALUE ADDED LABORATORY MEDICINE OF POINT-OF-CARE TESTING (POCT)
Chair: S. Cho (Korea)

Risk management and regulatory changes for POCT
J. H. Nichols (USA)

POCT for patients with infectious diseases in Africa
R. Erasmus (South Africa)

Issues in the practical implementation of POCT: overcoming challenges
H.D. Park (Korea)

J. H. NICHOLS
(USA)

R. ERASMUS
(South Africa)

H.D. PARK
(Korea)

SYMPOSIUM 4 - ROOM 102
TO KNOW EACH OTHER IN MASS SPECTROMETRY
Chair: H.D. Park (Korea)

Mass spectrometry versus immunoassay: one side does not fit all
K. Lee (Korea)

An ACTH mass spectrometry assay as an arbiter of clinally discordant immunoassay results
M. DeMarco (Canada)

Mass spectrometry and driving under the influence of marijuana
R. Fitzgerald (USA)

K. LEE
(Korea)

M. DEMARCO
(Canada)

R. FITZGERALD
(USA)

SYMPOSIUM 5 - ROOM 104

CURRENT STATUS OF ACCREDITATION ACTIVITIES IN LABORATORY MEDICINE: DO WE NEED IT TO BECOME OBLIGATORY?

Chair: S. Kim (Korea)

Accreditation of medical laboratories – an ongoing work
T. Zima (Czech Republic)

How accreditation has IMPROVED laboratory testing
M. Herrmann (Austria)

External quality assurance-reducing between laboratory analytical variation
W. I. Lee (Korea)

H. HERRMANN
(Austria)

W.I. LEE
(Korea)

T. ZIMA
(Czech Republic)

IFCC SYMPOSIUM 1 - ROOM 105

A NEW ERA IN MEDICAL LABORATORY DIAGNOSTICS MANAGEMENT: APPLICATION OF ADVANCED MOBILE & WEB TECHNOLOGY

Chair: T.Pillay (South Africa)

Role of technology in patient management and precision medicine
T. Pillay (South Africa)

Mobile technology and management of instruments
R. Greaves (Australia)

Using mobile technology to manage big data collections
K. Adeli (Canada)

New developments in web technology to enable medial diagnostics lab management
D. Topcu (Turkey)

T. PILLAY
(South Africa)

R. GREAVES
(Australia)

K. ADELI
(Canada)

D. TOPCU
(Turkey)

11:00-11:45 COFFEE BREAK

27 JUNE PLENARY 1

11:45-12:30

PLENARY 1 - AUDITORIUM

MAXIMIZING THE VALUE OF LABORATORY MEDICINE IN KOREA

Won-Ki Min (Korea)

W.K. MIN
(Korea)

Professor Won-Ki Min is the Congress President of IFCC Worldlab Seoul 2020. Currently he is a Professor of Laboratory Medicine at the University of Ulsan College of Medicine and works as a laboratory physician at Asan Medical Center, a large training hospital located in Seoul, Korea.

After getting his M.D. from the College of Medicine, Seoul National University, he received his PhD degree in Medical Science from Seoul National University and Master of Science degree from Sogang University, both in Seoul, Korea.

His main area of research is laboratory informatics and quality assurance in the field of laboratory medicine.

Professor Min has been recognized with many awards and was a board member of the Korean Medical Association as a director of information management.

Dr. Min has been actively serving in Korean academic societies: as chairperson of the Korean Society for Laboratory Medicine, chairperson of the Laboratory Medicine Foundation and chairperson and director of the Korean Institute of Genetic Testing Evaluation. He also served as the chairperson of the organizing committee for international meetings such as the 12th Asian-Pacific Congress of Clinical Biochemistry in 2010 and the 8th International Conference of Clinical Laboratory Automation in 2012.

Currently, he serves as the president of the Korean Association of External Quality Assessment Service (KEQAS).

12:30-13:00 POSTER / LUNCH

13:00-14:00 LUNCH WORKSHOPS

14:30-18:30 EDUCATIONAL WORKSHOPS

15:00-17:00

IFCC SYMPOSIUM 2 - AUDITORIUM
USING BIG DATA FOR IMPROVING HEALTHCARE
Chair: M. Ferrari (Italy)

Aging and big data: a challenge for laboratory medicine
M. Ferrari (Italy)

The future of cancer care through biologic profiling and big data
D. Cacchiarelli (Italy)

M. FERRARI
(Italy)

D. CACCHIARELLI
(Italy)

16:30-18:30

SYMPOSIUM 6 - ROOM 104
STATE OF THE ART; PROFICIENCY TESTING
Chair: S. Chun (Korea)

UK NEQAS: building on 50 years of experience
F. Mackenzie (UK)

Introduction to the College of American Pathologists
D. Alter (USA)

Down under EQA
T. Badrick (Australia)

Korean Association of External Quality Assessment Service and Proficiency Testing
S. Chun (Korea)

F. MACKENZIE
(UK)

D. ALTER
(USA)

T. BADRICK
(Australia)

S. CHUN
(Korea)

SYMPOSIUM 7 - ROOM 105

ISSUES ON METHOD EVALUATION

Chair: M. Han (Korea)

Fundamentals of method evaluation: principles behind the practice
M. D. Kellogg (USA)

Performance evaluation and clinical communication after analytical system change for D-dimer
W. Cui (P.R. China)

Real-world clinical laboratory practices of method evaluation for clinical chemistry test items
M. Han (Korea)

M.D. KELLOGG
(USA)

W. CUI
(P.R. China)

M. HAN
(Korea)

COMPANIES' EDUCATIONAL WORKSHOPS
MONDAY 27 JUNE

LUNCH WORKSHOP 1 — 13.00 – 14.00 — ROOM 103
ROCHE
Lunch will be offered by the company

Chair: Wesley Wong (Singapore)
THE GOLDEN AGE OF THE CLINICAL LAB AS WE TRANSITION FROM VOLUME TO VALUE - CLINICAL LAB 2.0 MOVEMENT
Khosrow R. Shotorbani (USA)

LUNCH WORKSHOP 2 — 13.00 – 14.00 — ROOM 101
BINDING SITE
Lunch will be offered by the company

WORKFLOW SOLUTIONS FOR THE MANAGEMENT OF MONOCLONAL GAMMOPATHIES AND PRIMARY IMMUNODEFICIENCIES – FREELITE®, HEVYLITE® AND IGG SUBCLASSES
Woochang Lee (Korea)

LUNCH WORKSHOP 4 — 13.00 – 14.00 — ROOM 104
SIEMENS HEALTHINEERS
Lunch will be offered by the company

Chair: Jeong-Ho Kim
UTILIZING HIGH-SENSITIVITY CARDIAC TROPONIN ASSAYS FOR IMPROVED EARLY DIAGNOSTICS: LABORATORY MEDICINE AND CLINICAL PRACTICE GUIDELINES

Laboratory medicine's role in appropriate clinical utilization of high-sensitivity cardiac troponin assays
Fred Apple (USA)
High-sensitivity cardiac troponin in managing acute chest pain patients – importance of securing proper assay's analytical performance
Yeo-Min Yun (Korea)

EDUCATIONAL WORKSHOP 2 — 14.30 – 15.30 — ROOM 103
ROCHE

CARDIAC BIOMARKERS: THE KEY TO EARLY INTERVENTION
ESC 0/1-hr and 0/2-hr algorithms with hs-cTn in the ED- Clinical experience sharing
Cynthia Papendick (Australia)
NTproBNP in T2DM- Introduction to a new clinical indication
Bee Yong Mong (Singapore)

EDUCATIONAL WORKSHOP 3 — 16.00 – 17.00 — ROOM 103
SEEGENE MEDICAL FOUNDATION

Chair: KyouSup Han (Korea)
RESPONSE OF SEEGENE MEDICAL FOUNDATION ON COVID-19 PANDEMIC
N. Sung (Korea)

EDUCATIONAL WORKSHOP 5 — 14.30 – 15.30 — ROOM 101
SNIBE DIAGNOSTIC

Chair: Aamir Ijaz (Pakistan)
THYROID ASSAYS: WHERE DO WE STAND?
Sergio Bernardini (Italy)

EDUCATIONAL WORKSHOP 8 — 14.30 – 15.30 — ROOM 102
GC LABS

Chair: EunHee Lee (Korea)
DIAGNOSTICS AND TESTING LANDSCAPE BEYOND COVID-19: DYNAMICS OF AN EVOLVING MARKET
Lain Barton (South Africa), Lelio Marmora (Switzerland), Sunghoon Kwon (Korea), Hyosoon Park (Korea), EunHee Lee (Korea), Unyoung Go (Korea)

EDUCATIONAL WORKSHOP 9 — 16.00 – 17.00 — ROOM 102
GC GENOME

Chair: Chang-Seok Ki (Korea)
AI-BASED LIQUID BIOPSY TEST
Eun-Hae Cho (Korea)
AI-BASED NON-INVASIVE PRENATAL TEST (NIPT)
Junnam Lee (Korea)
ASSOCIATION OF GUT MICROBIOME AND HYPERTENSION
Ju.Sun Song (Korea)

EDUCATIONAL WORKSHOP 11 — 14.30 – 15.30 — ROOM 104
SIEMENS HEALTHINEERS

Chair: HwanSub Lim (Korea)
SERUM FREE LIGHT CHAINS ASSAYS: ANALYTICAL AND CLINICAL PERFORMANCE ON DIFFERENT ANALYZERS
N Latex FLC assays for today's labs
Christian Mirwaldt (Germany)
Clinical implication by differential analytical performances of serum free light chain quantitation analysis using fully automated analyzers.
Jong-Baeck Lim (Korea)

EDUCATIONAL WORKSHOP 12 — 15.30 – 16.30 — ROOM 104
ARKRAY

Chair: Junghan Song (Korea)
HBA1C IN THE MONITORING, DIAGNOSIS AND SCREENING OF DIABETES: VIEWS ON QUALITY REQUIREMENTS IN RELATION TO ITS CLINICAL USE
Erna Lenters-Westra (The Netherlands)
ANALYTICAL PERFORMANCE EVALUATION OF THE ARKRAY ADAMS HA-8190V HBA1C ANALYZER
Joon Hee Lee (Korea)

COMPANIES' EDUCATIONAL WORKSHOPS
MONDAY 27 JUNE

EDUCATIONAL WORKSHOP 13 — 14.30 – 15.30 — ROOM 105
BECKMAN COULTER

INTELLIGENT AUTOMATION FOR ALL: ADVANCED INTELLIGENT AUTOMATION CAN HELP LABS OF ALL SIZES IMPROVE WORKFLOW, SAMPLE TURNAROUND TIME (TAT) AND HEALTHCARE DELIVERY
Alessandro di Marzio (Italy), Elassal Tamer Elassal (United Arab Emirates)

EDUCATIONAL WORKSHOP 14 — 15.30 – 16.30 — ROOM 105
ORTHO CLINICAL DIAGNOSTICS

IN-VITRO DIAGNOSTICS IN ACUTE AND CRITICAL CARE – MAKE THE RIGHT DECISIONS FOR YOUR MOST IMPORTANT PATIENTS AND DRIVE IMPROVED CLINICAL AND HEALTH ECONOMIC OUTCOMES WITH DIAGNOSTICS.
C. Palaniappan (USA)
NOVEL HBA1C ENZYMATIC MICROSLIDE DRY CHEMISTRY ASSAY
M. Upadhyay (India)

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Busan & Gyeongnam Laboratory Center | 297, Jungang-daero, Dong-gu, Busan, Korea
Daegu & Gyeongbuk Laboratory Center | 2619, Dalgubeol-daero, Suseong-gu, Daegu, Korea
Gwangju & Honam Laboratory Center | 200, Hyou-ro, Nam-gu, Gwangju, Korea
Daejeon & Chungcheong Laboratory Center | 398, Gyeryong-ro, Seo-gu, Daejeon, Korea

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DAY 2
TUESDAY 28 JUNE

09:00-11:00

SYMPOSIUM 8 - AUDITORIUM

APPLYING EVIDENCE-BASED GUIDELINES TO INCREASE CLINICAL EFFECTIVENESS IN LABORATORY MEDICINE

Chair: J. Lim (Korea)

To what degree is laboratory medicine evidence based?
A.R. Horvath (Australia)

What is the evidence base for setting (concrete) analytical performance specifications?
S. Sandberg (Norway)

The laboratory and hypertension - adding value to the clinical guidelines
S. Bhargava (India)

Can patient outcomes be evaluated by laboratory tests?
J. Lim (Korea)

A.R. HORVATH
(Australia)

S. SANDBERG
(Norway)

S. BHARGAVA
(India)

J. LIM
(Korea)

SYMPOSIUM 9 - ROOM 103

IMPLEMENTATION OF PHARMACOGENOMICS IN THE CLINIC

Chairs: S.Y. Lee (Korea), R. van Schaik (the Netherlands)

Molecular diagnostics for guiding drug therapy: current implementation of pharmacogenetics in clinical care in The Netherlands
R. van Schaik (the Netherlands)

TDM and PGx: complementary tools for precision medicine
S.Y. Lee (Korea)

Reporting tools and interpretive services to facilitate PGx test utilization
H. Hachad (USA)

R. VAN SCHAIK
(the Netherlands)

S.Y. LEE
(Korea)

H. HACHAD
(USA)

SYMPOSIUM 10 - ROOM 101
ETHICAL ISSUES IN LABORATORY MEDICINE
Chair: S.J. Kim (Korea)

Ethical issues in emerging infections and the clinical laboratory
S. Campbell (USA)

Ethical issues in proficiency testing
J. W. Chung (Korea)

Ethical issues in clinical research
S. J. Kim (Korea)

S. CAMPBELL
(USA)

J.W. CHUNG
(Korea)

S. J. KIM
(Korea)

SYMPOSIUM 11 - ROOM 102
FUTURE APPLICATION OF AUTOMATION IN CLINICAL LABORATORY
Chair: Y.W. Lee (Korea)

Considerations of valuable technologies for total laboratory automation
Y. W. Lee (Korea)

The arrival of a new era of clinical laboratories with fully automated LCMS systems
D. Kawakami (Japan)

Differentiation of hematological disorders using the scattergrams of Sysmex automated hematology analyzer XN series
K. Han (Korea)

Y.W. LEE
(Korea)

D. KAWAKAMI
(Japan)

K. HAN
(Korea)

SYMPOSIUM 12 - ROOM 104
THE ROLE OF LABORATORY IN THE MANAGEMENT OF SEPSIS
Chair: M. Hur (Korea)

Clinical guidelines for interpreting PCT results
T. Van Schooneveld (USA)

Monitoring and improving clinical impact of PCT
G. Seymann (USA)

Application of heparin-binding protein as a biomarker of sepsis and infection
M. Guan (P.R. China)

Emerging biomarkers in sepsis
M. Hur (Korea)

T. VAN SCHOONEVELD
(USA)

G. SEYMANN
(USA)

M. GUAN
(P.R. China)

M. HUR
(Korea)

IFCC SYMPOSIUM 3 - ROOM 105
THE FUTURE OF STANDARDIZATION IN LABORATORY MEDICINE: CHALLENGES AND OPPORTUNITIES
Chair: P. Gillery

Standardization and harmonization of biological measurements: successes, pitfalls and challenges
P. Gillery (France)

Importance of commutability for metrological traceability in standardization and harmonization
G. Miller (USA)

Challenges in test standardization: a manufacturer's perspective
G. Wilkins (USA)

Proteoform analysis to fulfil unmet clinical and standardization needs
C. Cobbaert (the Netherlands)

P. GILLERY
(France)

G. MILLER
(USA)

G:WILKINS
(USA)

C. COBBAERT
(the Netherlands)

11:00-11:45 COFFEE BREAK

28 JUNE
PLENARY 2

11:45-12:30

PLENARY 2 - AUDITORIUM
PHARMACOGENOMICS: FROM DISCOVERY TO CLINIC
Kathleen M. Giacomini (USA)

K.M. GIACOMINI
(USA)

Dr. Giacomini is a Professor in the Department of Bioengineering and Therapeutic Sciences at the University of California, San Francisco. She is currently Co-Principal Investigator of the NIH Pharmacogenomics Research Network Hub, and Co-Principal Investigator of the UCSF-Stanford Center of Excellence in Regulatory Sciences and Innovation (CERSI), a major center funded by the FDA with the goal of advancing scientific issues related to the safe and effective use of medical products. Dr. Giacomini is considered a leader in the field of membrane transporters, and in particular, she is widely recognized for her work on transporter genomics and pharmacogenomics. Dr. Giacomini has been recognized by many awards and is an elected member of the National Academy of Medicine. She is a recipient of an honorary doctoral degree from Uppsala University, and was awarded the North American Scientific Achievement Award from the International Society for the Study of Xenobiotics in 2017. Most recently in 2018, Dr. Giacomini was awarded the Volwiler Research Achievement Award and was recognized by her peers as one of the leading researchers in Pharmaceutical Sciences.

12:30-13:00 POSTER / LUNCH

13:00-14:00 LUNCH WORKSHOPS

14:30-18:30 EDUCATIONAL WORKSHOPS

15:00-17:00

IFCC SYMPOSIUM 4 - AUDITORIUM

EMERGING TECHNOLOGIES: NEW TRENDS AND CLINICAL APPLICATIONS

Chair: S. Bernardini (Italy)

Lipidomics translation
M. Hersberger (Switzerland)

Liquid Biopsy / Cell Free DNA to guide drug therapy: are we ready?
R. van Schaik (the Netherlands)

AI, machine learning and deep learning in laboratory medicine
S. Bernardini (Italy)

Genomics in oncology
M. De Tayrac (France)

M. HERSBERGER
(Switzerland)

R. VAN SCHAIK
(The Netherlands)

S. BERNARDINI
(Italy)

M. DE TAYRAC
(France)

16:30-18:30

SYMPOSIUM 13 - ROOM 104
THE MICROBIOME: PRESENT AND FUTURE CHALLENGES IN LABORATORY MEDICINE
Chair: N. Ryoo (Korea)

Definition of a healthy microbiome and if disturbed – how to shape it back to normal
L. Engstrand (Sweden)

Microbiota bank utilization in clinical microbiology
D. Yong (Korea)

MALDI-TOF mass spectrometry for routine use in clinical microbiology
N. Ryoo (Korea)


L. ENGSTRAND
(Sweden)


D. YONG
(Korea)


N. RYOO
(Korea)

SYMPOSIUM 14 - ROOM 105
THERAPEUTIC DRUG MONITORING: TECHNICAL AND CLINICAL EXPERIENCE
Chairs: K. Lee (Korea), T. van Gelder (the Netherlands)

Analytical quality requirements in TDM
M. Shipkova (Germany)

TDM and pharmacogenetics: competitors or friends?
T. van Gelder (the Netherlands)

TDM consultation service and dosing software
M. Ji (Korea)

TDM for immunosuppressive drugs in auto-immune disease
Y. Avihingsanon (Thailand)


M. SHIPKOVA
(Germany)


T. VAN GELDER
(the Netherlands)


M. JI
(Korea)


Y. AVIHINGSANON
(Thailand)

COMPANIES' EDUCATIONAL WORKSHOPS
TUESDAY 28 JUNE

LUNCH WORKSHOP 6 — 13.00 – 14.00 — ROOM 103
THERMO FISHER SCIENTIFIC
Lunch will be offered by the company

Chair: Sang Hoon Song (Korea)
CASCADION™: UNLOCK THE POWER OF LC-MS/MS IN YOUR CLINICAL LAB
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Maria Shipkova (Germany) / Eberhard Wieland (Germany)
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Michel Schmidt (Finland)

LUNCH WORKSHOP 7 — 13.00 – 14.00 — ROOM 101
ABBOTT
Lunch will be offered by the company

Chair: Mi Kyung Lee (Korea)
TOTAL LABORATORY SOLUTION HELPING LABS TO ACHIEVE OPERATIONAL EXCELLENCE
Exclusive Insights to the Automation Journey
Shweta Uppal (Abu Dhabi)
Driving clinicians and patient's satisfaction through clinical lab excellence
Sanja Stankovic (Serbia)

LUNCH WORKSHOP 8 — 13.00 – 14.00 — ROOM 102
GC MS
Lunch will be offered by the company

Chiar: Yoon Jeong, Cho (Korea)
THE NATURE OF SMART DNA POLYMERASE MAKES THE DIFFERENCE OF LIQUID BIOPSY
Byungchul Lee (Korea)
NEW PETIA FOR PROCALCITONIN – ROUTINE EXPERIENCE AND LESSONS LEARNED FROM EQA EVALUATION
Matthias Grimmle (Germany)

LUNCH WORKSHOP 9 — 13.00 – 14.00 — ROOM 104
SYSMEX
Lunch will be offered by the company

Chair: Mina Hur (Korea)
HEMATOLOGY AND SEPSIS WITH SYSMEX LABORATORY SOLUTIONS
Clinical Significance of cell population data on Sysmex XN-3100 in septic patients
Mitsuho Watanabe (Japan)

EDUCATIONAL WORKSHOP 16 — 14.30 – 15.30 — ROOM 103
ROCHE

Chair: Wesley Wong (Singapore)
IMPROVEMENT INSIGHTS FROM CLINICAL LAB BENCHMARKING SURVEY
Tony Badrick (Australia)

EDUCATIONAL WORKSHOP 17 — 16.00 – 17.00 — ROOM 103
SNIBE DIAGNOSTIC

Chair: Saeed Mohammed Alamoudi (Saudi Arabia)
TOTAL & FREE-TESTOSTERONE ASSAYS IN SUPPORT OF DIAGNOSIS OF HYPOGONADISM AND FERTILITY
Waleed Altamimi (Saudi Arabia)
THE MOLECISION SARS-CoV-2 RT-PCR AND THE RAPISAFE ANTIGEN TEST IN FIGHTING THE PANDEMIC
Mirna Germanos (Lebanon)

EDUCATIONAL WORKSHOP 19 — 14.30 – 15.30 — ROOM 101
BECKMAN COULTER

MONOCYTE DISTRIBUTION WIDTH, NEW CELLULAR BIOMARKER
S. Hong (Korea), Elena Sukhacheva (Usa)

EDUCATIONAL WORKSHOP 21 — 17.30 – 18.30 — ROOM 101
HANDOK

Chair: Soo-Youn Lee
TARGETED OMICS FOR CLINICAL AND TRANSLATIONAL RESEARCH
M. Ritchie (UK)

EDUCATIONAL WORKSHOP 22 — 14.30 – 15.30 — ROOM 102
SIEMENS HEALTHINEERS

Chair: HyungHoi Kim
THE VALUE OF ELF TEST IN THE SCREENING AND MANAGEMENT OF NON-ALCOHOLIC FATTY LIVER DISEASE
Elizabeth Powell (Australia)

EDUCATIONAL WORKSHOP 25 — 14.30 – 15.30 — ROOM 104
SEBIA

Chair: Junghan Song (Korea)
NEW OPPORTUNITIES TO MEASURE HBA1C BY CAPILLARY ELECTROPHORESIS
HBA1C for the diagnosis and monitoring of Diabetes Mellitus: understanding the clinical value and potential limitations
D.B. Sacks (South Africa)
Features to consider when choosing a new method for HBA1C
A.Mosca (Italy)

COMPANIES' EDUCATIONAL WORKSHOPS
TUESDAY 28 JUNE

EDUCATIONAL WORKSHOP 27 — 14.30 – 15.30 — ROOM 105

SCL

Chair: Sang-Hoon Song, M.D

CLINICAL LABORATORY APPLICATION OF MASS SPECTROMETRY

Routine use and application of maldi-tof ms in clinical microbiology laboratories
Jae-Seok Kim (Korea)

Applications and challenges in using lc-ms/ms assays for quantitative hormone analysis
Hyun-Kyung Park (Korea)

EDUCATIONAL WORKSHOP 28 — 15.30 – 16.30 — ROOM 105

A&T Corporation

Chair: Sang-Hoon Song, M.D

INTRODUCTION OF GREEN CROSS LABORATORIES & TOTAL LABORATORY AUTOMATION SYSTEM

Sun Hyun Ahn (Korea)

WHAT ARE PRE-ANALYTICAL ERRORS COSTING YOUR LAB?

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BECKMAN COULTER

DAY 3
WEDNESDAY 29 JUNE

09:00-11:00

SYMPOSIUM 15 - AUDITORIUM
UTILIZATION MANAGEMENT OF LABORATORY TEST
Chair: Y.M. Yun (Korea)

Help me help you: Guidelines to elevate laboratory stewardship programs
J. Dickerson (USA)

Applying analytics to drive laboratory stewardship and improve care
P.C. Mathias (USA)

Experience of utilization management in the real-world / When should a test be repeated
S. H. Song (Korea)

J. DICKERSON
(USA)

P.C. MATHIAS
(USA)

S. H. SONG
(Korea)

SYMPOSIUM 16 - ROOM 103
CLINICAL APPLICATION OF HIGH SENSITIVITY CARDIAC TROPONIN ASSAYS
Chair: S.G. Lee (Korea)

Biology and quality specification of troponin assays
S. G. Lee (Korea)

Utilization of hs troponins in the emergency room setting
M. Than Nyunt (New Zealand)

Novel uses of hs troponins (monitoring cardiac toxicity of chemotherapy, etc.)
A. K. Saenger (USA)

Standardization of hs-troponin I assays, where are we?
F. S. Apple (USA)

S. G. LEE
(Korea)

M. THAN NYUNT
(New Zealand)

A. K. SAEGER
(USA)

F. S. APPLE
(USA)

SYMPOSIUM 17 - ROOM 101
TRACEABILITY IN THE LABORATORY MEDICINE – VITAL FOR CLINICAL VALUE
Chair: I. Young (UK)

Metrological traceability – what is it?
R. Wielgosz (France)

Traceability for laboratory medicine – the role of the JCTLM
I. Young (UK)

Traceability in action
A. Kessler (Germany)

Traceability in the routine laboratory
G. Jones (Australia)

Korean Actions Taken for Implementation of Measurement Traceability in Laboratory Medicine
S. R. Park (Korea)


R. WIELGOSZ
(France)


I. YOUNG
(UK)


A. KESSLER
(Germany)


G. JONES
(Australia)


S. R. PARK
(Korea)

SYMPOSIUM 18 - ROOM 102
UPDATES ON LIQUID BIOPSY
Chair: W. Lee (Korea)

CTC analysis: an overview of CTC isolation, detection and molecular characterization technologies
E. Lianidou (Greece)

Past, present and the future of circulating DNA in prenatal diagnosis
A. Chan (Hong Kong, P.R. China)

Current and future perspectives of liquid biopsies in genomics-driven oncology
E. Heitzer (Austria)

Liquid biopsy as a part of clinical laboratory practices: the status of external quality assessment (EQA) for liquid biopsy
W. Lee (Korea)


E. LIANIDOU
(Greece)


A. CHAN
(Hong Kong, P.R. China)


E. HEITZER
(Austria)


W. LEE
(Korea)

APFCB SYMPOSIUM 19 - ROOM 104
LABORATORY MONITORING OF COAGULATION
Chair: J.Y. Han (Korea)

Misconceptions in routine coagulation testing
S. Jang (Korea)

Common pitfalls in testing and interpretation of D-dimers
E. Favaloro (Australia)

Laboratory monitoring of coagulation disorders by clot waveform analysis
M. Shima (Japan)


S. JANG
(Korea)


E. FAVALORO
(Australia)


M. SHIMA
(Japan)

SYMPOSIUM 20 - ROOM 105
HAEMOGLOBIN A1C ANALYSIS; CONTINUAL IMPROVEMENT
Chair: G. John (UK)

The HbA1c story: the successful development of full metrological traceability in laboratory medicine
G. John (UK)

How good is HbA1c analysis? Latest country and manufacturer results from the IFCC international quality assessment trial, using sigmametrics as a monitor of performance
E. Lenters (the Netherlands)

POCT for HbA1c: requirements for reliable clinical use
J. Song (Korea)

HbA1c analysis, what really affects the result and interpretation?
E. English (UK)


G. JOHN
(UK)


E. LENTERS
(the Netherlands)


J. SONG
(Korea)


E. ENGLISH
(UK)

11:00-11:45 COFFEE BREAK

29 JUNE PLENARY 3

11:45-12:30

PLENARY 3 - AUDITORIUM

ADDING CLINICAL UTILITY TO THE LABORATORY REPORTS

Wytze P Oosterhuis (the Netherlands)

W.P. OOSTERHUIS
(the Netherlands)

Wytze Oosterhuis was born in Amsterdam, The Netherlands. He studied both physical chemistry and medicine, and ended his specialization in laboratory medicine in 1991. In 1994 he completed his thesis on applications of multivariate analysis in clinical chemistry and was registered as medical epidemiologist. He has been active for the IFCC, first in the Committee on Systematic Reviewing, chaired by Prof. Sverre Sandberg. Later this committee was renamed Committee on Evidence Based Laboratory Medicine (EBLM). This committee has prepared many publications and presented several courses. Within the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) he is member of the Working Group on Guidelines, a joint activity of both EFLM and European Union of Medical Specialists (UEMS). He is also chair of the EFLM Working Group on Patient Focused Laboratory Medicine. From 2014 until 2017 he chaired the EFLM Task and Finish group on Total Error. His scientific work centers on consultation, in general adding value to laboratory results. He works as a laboratory physician in Zuyderland Medical Center, a large training hospital located in Sittard and Heerlen, The Netherlands.

12:30-13:00 POSTER / LUNCH

13:00-14:00 LUNCH WORKSHOPS

14:30-18:30 EDUCATIONAL WORKSHOPS

SYMPOSIUM 30 - ROOM 104

PROTEIN ELECTROPHORESIS STANDARDIZATION

Chair: R.A. Booth (Canada)

Canadian Society of Clinical Chemists recommendations for protein electrophoresis reporting
R. A. Booth (Canada)

CAP recommendations: initial detection and measurement of a monoclonal protein
D. Keren (USA)

Update on recommendations for standardised reporting of protein electrophoresis in Australia and New Zealand
P. Mollee (Australia)

Experience of transition from narrative to synoptic reporting for protein electrophoresis and immunofixation
H.K. Kim (Korea)

R.A. BOOTH
(Canada)

D. KEREN
(USA)

P. MOLLEE
(Australia)

H.K. KIM
(Korea)

SYMPOSIUM 32 - ROOM 105

ESSENTIAL LEADERSHIP SKILLS: SHAPING FUTURE LEADERS FOR SUCCESS IN LABORATORY MANAGEMENT

Chair: P. Sharma (India)

Leadership attributes and styles: Impact on relationships in the workplace
E. W. Randell (Canada)

The Leader versus the manager and building leadership through emotional intelligence
P. Sharma (India)

Developing an effective leadership style in laboratory team management
S. Yenice (Turkey)

Managing relationships and leading changes within the heterogeneous workplace
A. A. Khine Wamono (South Africa)

E.W. RANDELL
(Canada)

P. SHARMA
(India)

S. YENICE
(Turkey)

A.A. KHINE WAMONO
(South Africa)

15:00-17:00

IFCC SYMPOSIUM 5 - AUDITORIUM

ACHIEVING HEALTHCARE EXCELLENCE: THE UNIVANTS AWARDS 2019

Chair: M. Ferrari (Italy)

The importance of our profession promoting the value of laboratory medicine
D. Kinniburgh (Canada)

The developing role of angiogenic markers in the laboratory assessment of pre-eclampsia
T. James (UK)

Improved diagnostic pathway and treatment for hospitalized patients with acute kidney injury
S. Elitok (Germany)

D. KINNIBURGH
(Canada)

T. JAMES
(UK)

S. ELITOK
(Germany)

16:30-18:30

SYMPOSIUM 21 - ROOM 104

THE STATE OF THE ART IN MYELOMA TESTING

Chair: H. Chae (Korea)

Should mass spectrometry replace electrophoresis and free light chain analysis?
D. Murray (USA)

Biomarkers of myeloma nephropathy: from MGUS to symptomatic myeloma
I. Papasotiriou (Greece)

Protein electrophoresis interpretation and reporting
H. Chae (Korea)

D. MURRAY
(USA)

I. PAPASOTIRIOU
(Greece)

H. CHAE
(Korea)

SYMPOSIUM 22 - ROOM 105

CLINICAL DIABETES; IS IT TIME TO CHANGE PRACTICE?

Chairs: J. Song (Korea), G. John (UK)

Type 2 diabetes; is Asia different from the West?
L. Ji (P.R. China)

Complimentary markers of glycaemic control: uses and limitations in clinical practice
E. Kilpatrick (UK)

Interpretation of HbA1c results, new targets and new uses. Is it time for change?
S. Atkin (Qatar)

Is bariatric surgery a cure for type 2 diabetes?
C. Le Roux (Ireland)

L. JI
(P.R. China)

E. KILPATRICK
(UK)

S. ATKIN
(Qatar)

C. LE ROUX
(Ireland)

COMPANIES' EDUCATIONAL WORKSHOPS
WEDNESDAY 29 JUNE

LUNCH WORKSHOP 12 — 13.00 – 14.00 — ROOM 101

ABBOTT

Lunch will be offered by the company

Chair: John Thundyil

DRIVING MEANINGFUL CARDIOVASCULAR OUTCOME WITH HIGH SENSITIVE TROPONIN-I IN BOTH PATIENTS WITH CHEST PAIN AND APPARENTLY HEALTHY POPULATIONS

Making meaningful impact to the care of chest pain patients with high sensitive Troponin-I and data

Martin Than (New Zealand)

Role of high sensitivity Troponin-I in advancing risk stratification in the apparently healthy population

Abraham Oomman (India)

LUNCH WORKSHOP 14 — 13.00 – 14.00 — ROOM 104

SYSMEX

Lunch will be offered by the company

Chair: Jin Young Han (Korea)

HEMOSTASIS ANALYSIS WITH SYSMEX LABORATORY SOLUTIONS

Von Willebrand Syndrome, Update

Hisanori Horiuchi (Japan)

EDUCATIONAL WORKSHOP 33 — 14.30 – 15.30 — ROOM 101

BD

NEXT GENERATION BLOOD COLLECTION

Felicitas Lacbawan (USA)

At SEKISUI Diagnostics, what matters to you matters to us. Our whole purpose is to partner with you to provide intelligent solutions that enable you to make a timely difference.

Because we both understand that there is a patient behind every answer—and that's what matters most.

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DAY 4
THURSDAY 30 JUNE

09:00-11:00

SYMPOSIUM 23 - AUDITORIUM
STANDARDIZATION AND HARMONIZATION OF CLINICAL LABORATORY RESULTS
Chairs: Y.M. Yun (Korea), H. Vesper (USA)

CDC clinical standardization programs for clinical laboratory results
H. Vesper (USA)

The International Consortium for Harmonization of Clinical Laboratory Results (ICHCLR) – a pathway to harmonization
G. Myers (USA)

Commutability issues in standardization and harmonization of clinical laboratory results
G. Miller (USA)

Programs for standardization and harmonization of clinical laboratory results in Korea
Y. M. Yun (Korea)


H. VESPER
(USA)


G. MYERS
(USA)


G. MILLER
(USA)


Y. M. YUN
(Korea)

SYMPOSIUM 24 - ROOM 103
CLINICAL PATHOLOGISTS AS A CLINICAL CONSULTANT
Chair: S. Chun (Korea)

Clinical consultant in the field of clinical microbiology
J. Lee (Korea)

Clinical consultant in the field of genetics
D. Payne (USA)

Clinical consultant in the field of hematology
M. G. Shin (Korea)

Clinical consultant in the field of clinical chemistry
S. Stankovic (Serbia)


J. LEE
(Korea)


D. PAYNE
(USA)


M. G. SHIN
(Korea)


S. STANKOVIC
(Serbia)

SYMPOSIUM 25 - ROOM 101
WASPALM Symposium
Chair: R. Verna (Italy)

The importance of Laboratory Medicine in modern health economics and health promotion
L. Nogueira Martins (Portugal)

Autoimmune Hypertriglyceridemia
M. Murakami (Japan)

Intelligent verification criteria for routine urinalysis procedure
W. Cui (P.R. China)

From alchemy to personalized medicine: the road of laboratory medicine
R. Verna (Italy)


L. NOGUEIRA MARTINS
(Portugal)


M. MURAKAMI
(Japan)


W. CUI
(P.R. China)


R. VERNA
(Italy)

SYMPOSIUM 27 - ROOM 104
ADVANCES IN NEXT GENERATION SEQUENCING
Chair: S.T. Lee (Korea)

Expanding application of next generation sequencing in clinical laboratory
J. Smetana (Czech Republic)

Recent application and validation of bioinformatics pipelines in NGS
S. T. Lee (Korea)

Guidelines, quality control and standardization of NGS testing
C. Endrullat (Germany)

NGS-guided precision medicine: point of view from clinicians
V. Shotelersuk (Thailand)


J. SMETANA
(Czech Republic)


S.T. LEE
(Korea)


C. ENDRULLAT
(Germany)


V. SHOTELERSUK
(Thailand)

APFCB SYMPOSIUM 28 - ROOM 105
LIT Symposium
Chair: J. H. Lee (Korea)

The role of seamless informatics from LIS to Electronic Medical Records (EMR) to National Electronic Health Records (NEHR)
T. P. Loh (Singapore)

Informatics Standards and Harmonisation – for critical results, automatic commenting, middleware, POC networking, telehealth resulting
R. Flatman (Australia)

Laboratory Middleware Functionlaity and Automation Process Control
R. Pu (P.R. China)

LIS requirements for laboratory management
J. H. Lee (Korea)

T.P. LOH
(Singapore)

R. FLATMAN
(Australia)

R. PU
(P.R. China)

J.H. LEE
(Korea)

30 JUNE
PLENARY 4

11:45-12:30

APFCB PLENARY 4
NGS ANALYSIS OF GENETIC DISEASES
Naomichi Matsumoto (Japan)

N. MATSUMOTO
(Japan)

Professor and Chair, Department of Human Genetics, Yokohama City University Graduate School of Medicine
• Educational Background:
Kyushu University School of Medicine, M.D., 1986
Graduate School of Medical Science, Nagasaki University School of Medicine, Ph.D., 1997
• Professional Experiences:
1986-1993 Obstetrician & Gynecologist at Kyshu University related hospitals
1993-1997 Graduate School of Nagasaki University, Department of Human Genetics
1997-1998 Post Doctoral Fellow at Department of Human Genetics, The University of Chicago
1998-2000.1 Research associate at Department of Human Genetics, The University of Chicago
2000-2003 Associate professor at Department of Human Genetics, Nagasaki University School of Medicine
2003-present Professor and Chair at Department of Human Genetics, Yokohama City University Graduate School of Medicine
• Honors and awards
2003 Japan Society of Human Genetics Award for Young Scientist
2011 Japan Society of Human Genetics Award
2019 A Prize for Science and Technology, Research Category, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology
• Professional Organizations
Member of Japan Society of Human Genetics (Councilor 2003-) (Director 2011-)

CLOSING CEREMONY

THURSDAY 30 JUNE

12:30-13:00 Congress Report
Junghan Song (Korea)

IFCC Remarks
Khosrow Adeli (Canada)

Announcement IFCC WorldLab Dubai 2024
Khosrow Adeli (Canada)
Anwar Borai (Saudi Arabia)
Adberrazek Hedhili (AFCB)

APFCB Remarks
Endang Hoyaranda (Indonesia)

Announcement AACB Congress Perth 2022
Endang Hoyaranda (Indonesia)
Helen Martin (Australia)

CLOSED MEETINGS

SATURDAY, 25 JUNE 2022

08:30-18.00	IFCC Young Scientists Forum	Room 205
09.00-17.00	IFCC C-NPU Meeting	Room 210

SUNDAY, 26 JUNE 2022

09.00-16.30	IFCC CPD-EC Meeting	Room 204
09:00-13.00	IFCC Young Scientists Forum	Room 205
09.00-17.00	IFCC C-NPU Meeting	Room 210
09.00-13.00	APFCB Council Meeting	Room auditorium R3

MONDAY, 27 JUNE 2022

10.00-16.00	IFCC C-MD Meeting	Room 207
11.30-13.30	IFCC Corporate Members Meeting	Room 210
12.00-15.00	IFCC C-POCT	Room 208
13.00-17.00	IFCC TF-GLQ	Room 204
13.00-15.00	APFCB EB - Incoming and Outgoing	Room 103A

TUESDAY, 28 JUNE 2022

09.00-13.00	IFCC C-CLM Meeting	Room 211
09.00-17.00	IFCC AFCC Board Meeting	Room 209B
10.00-17.30	IFCC C-CMBC Meeting	Room 207
13.00-17.00	IFCC TF-YS Meeting	Room 205
13.00-17.00	IFCC C-STFT Meeting	Room 210
14.00-18.00	IFCC C-CC Meeting	Room 211
12.00-14.00	APFCB - IFCC EB Meeting	Room auditorium R3

WEDNESDAY, 29 JUNE 2022

09.00-16.00	IFCC ETD-EC Meeting	Room 204

THURSDAY, 30 JUNE 2022

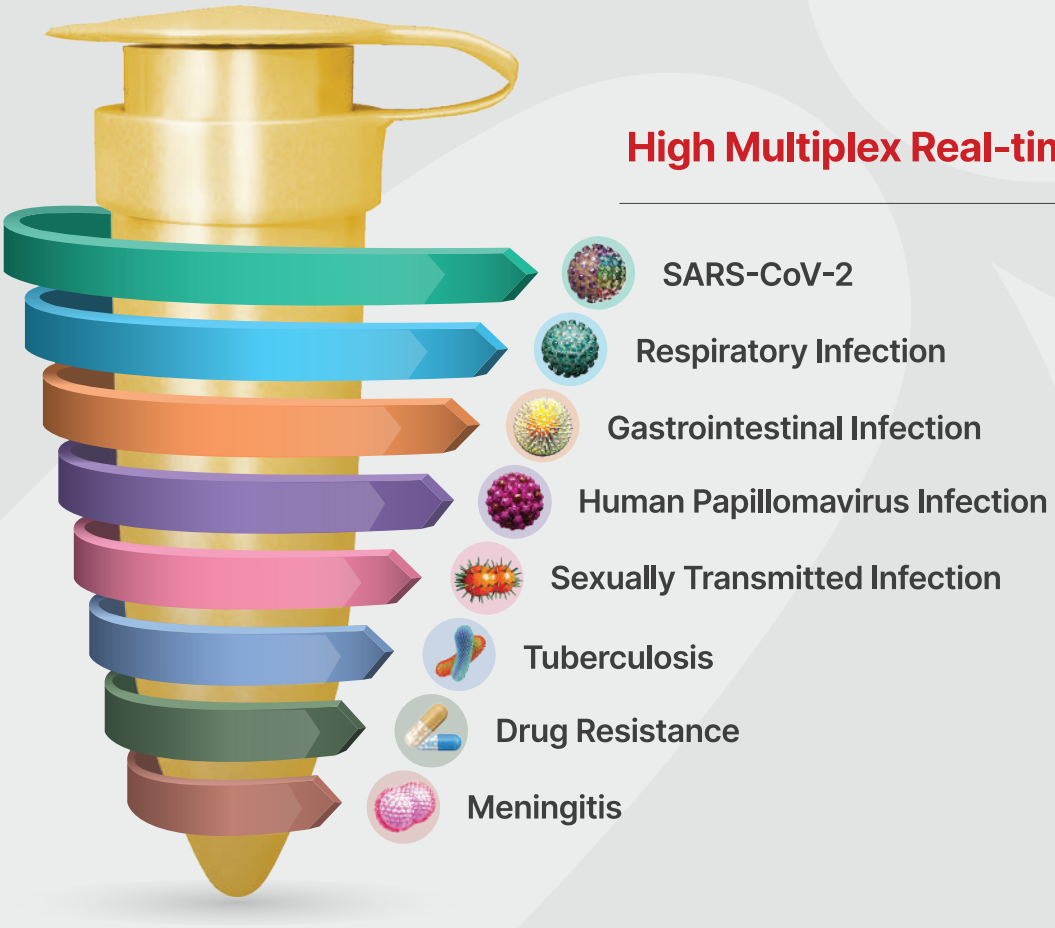
09.00-17.00	IFCC EB Meeting	Room 207

FRIDAY, 1 JULY 2022

09.00-17.00	IFCC EB Meeting	Room 207

Seegene

See Ahead. Change Tomorrow.



High Multiplex Real-time PCR Assays

Comprehensive Test Results

Simultaneous detection and identification of multiple targets from a single sample for efficient and cost-effective testing

Short Turnaround Time

Short turnaround time from extraction to the final results

Broad Assay Menu

Application of a wide range of multiplex molecular assays including infectious disease, drug resistance, oncology, and genetics on a streamlined automated system

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SPEAKERS & CHAIRS

Adeli Khosrow, IFCC President, Pediatric Laboratory Medicine, The Hospital for Sick Children, University of Toronto, Toronto, Canada
Alter David, Dept. of Pathology and Laboratory Medicine, Emory University School of Medicine, Atlanta, Georgia, USA
Apple Fred, Hennepin Healthcare, University of Minnesota School of Medicine, Minneapolis, MN, USA
Atkin Stephen, Royal College of Surgeons in Ireland in Bahrain
Avihingsanon Yingyos, Chulalongkorn University, Faculty of Medicine and King Chulalongkorn Memorial Hospital, Thai Red Cross Society, Thailand
Badrick Tony, Royal College of Pathologists of Australasia Quality Assurance Programs
Bernardini Sergio, Clinical Biochemistry and Clinical Molecular Biology, Tor Vergata University, Roma, Italy
Bhargava Seema, Department of Biochemistry Sir Ganga Ram Hospital, New Delhi, India
Booth Ronald, University of Ottawa, The Ottawa Hospital & Eastern Ontario Regional Laboratory Association, Canada
Cacchiarelli Davide, Telethon Institute of Genetics and Medicine, Italy
Campbell Sheldon, Yale School of Medicine, Dept. of Laboratory Medicine, New Haven, Connecticut, USA
Chae Hyojin, Department of Laboratory Medicine, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea
Chan Allen, Chemical Pathology, The Chinese University of Hong Kong
Cho Sun Young, Kyung Hee University Hospital, Seoul, Republic of Korea
Cho Sung-Eun, GC Labs, Gyeonggi-do, Republic of Korea
Chun Sail, Asan Medical Center, University of Ulsan, Republic of Korea
Chung Jae-Woo, Dongguk University Ilsan Hospital, Goyang, Republic of Korea
Cobbaert Christa, Afdeling Klinische Chemie en Laboratoriumgeneeskunde | LUMC, Leiden, The Netherlands
Cui Wei, Chinese Academy of Medical Sciences, Peking Union Medical College, P.R. China
DeMarco Mari, University of British Columbia, Vancouver, Canada
De Tayrac Marie, Rennes University Hospital, France
Dickerson Jane, UW Medicine, Seattle Children's Hospital, Seattle, Washington, USA
Durant Thomas, Chemical Pathology Laboratory, Yale-New Haven Hospital, Connecticut, USA
El-Khoury Joe M., Clinical Chemistry and Laboratory Medicine, Yale University and Yale-New Haven Hospital, Connecticut, USA
Elitok Saban, Klinikum Ernst von Bergmann, Potsdam, Germany
Endrullat Christoph, MSD Sharp & Dohme GmbH, Koenigs Wusterhausen, Germany
English Emma, University of East Anglia, School of Health Sciences, Norwich, UK
Engstrand Lars, Centre for Translational Microbiome Research, Karolinska Institutet, Stockholm, Sweden
Erasmus Rajiv, Chemical Pathology, Stellenbosch University, Bellville, Cape Town, South Africa
Favaloro Emmanuel, Dept. of Haematology, Institute of Clinical Pathology and Medical Research (ICPMR), Westmead Hospital, Australia
Ferrari Maurizio, CMO, Synlab, Italy - IFCC Past President
Fitzgerald Robert, Dept. of Pathology, Center for Medicinal Cannabis Research, UC San Diego, California, USA
Flatman Robert, Biochemistry Dept. Sullivan Nicolaides Pathology, Brisbane, Australia
Giacomini Kathleen M., University of California, San Francisco, USA
Gillery Philippe, IFCC Scientific Division Chair, University Hospital and Faculty of Medicine, UMR CNRS / URCA, Reims, France
Greaves Ronda, Deputy Head Biochemical Genetics, Victorian Clinical Genetics Services, Victoria, Australia
Guan Ming, Fudan University Huashan Hospital, Shanghai, P.R. China
Hachad Houda, Vice President of Clinical Operations, AccessDx Laboratory, Houston, Texas, USA
Han Minje, Kangdong Sacred Heart Hospital, Seoul, Korea
Han Jin-Yeong, Department of Laboratory Medicine, Dong-A University College of Medicine, Busan, Korea
Han Kyungja, The Catholic University of Korea, Seoul, Korea
Heitzer Ellen, Diagnostic and Research Institute of Human Genetics, Medical University of Graz, Austria
Hermann Markus, Klinisches Institut für Medizinische und Chemische Laboratorsiagnostik, Medizinische Universität of Graz, Austria
Hersberger Martin, University-Children's Hospital Zurich, Div. of Clinical Chemistry and Biochemistry, Switzerland
Holmes Daniel, University of British Columbia, Dept. of Pathology and Laboratory Medicine, Vancouver, Canada
Horvath Andrea Rita, Department of Chemical Pathology, The Prince of Wales Hospital, Randwick, Australia
Hur Mina, Konkuk University Medical Center, Seoul, Korea
James Timothy, Clinical Biochemistry, Oxford University Hospitals Nhs Foundation Trust, UK
Jang Seongsoo, Univ. of Ulsan School of Medicine, Asan Medical Center, Seoul, Korea
Jeong Hawoong, KAIST (Korea Advanced Institute of Science and Technology), Daejeon, Korea
Jeong Tae-Dong, Ewha Womans University, Seoul, Korea
Ji Misuk, Veterans Health Service Medical Center, Seoul, Korea
Ji Linong, Peking University People's Hospital, Peking University Diabetes Center, P.R. China
John Garry, Norfolk & Norwich University Hospital, Norwich, UK
Jones Graham, St Vincent's Hospital and University of NSW, Sydney, Australia
Kawakami Daisuke, Shimadzu Europa GmbH, Duisburg, Germany
Kellogg Mark D., Boston Children's Hospital and Harvard Medical School, Massachusetts, USA
Keren David, Department of Pathology, University of Michigan, Ann Arbor, Michigan, USA
Kessler Anya, Referenzinstitut für Bioanalytik, Bonn, Germany
Khine Wamono Aye Aye, Chemical Pathologist, Stellenbosch University, National Health Laboratory Service, South Africa
Kilpatrick Eric, Consultant in Chemical Pathology, Manchester Royal Infirmary, Manchester, UK
Kim Hyun-Ki, University of Ulsan College of Medicine, Ulsan University Hospital, Ulsan, Korea
Kim Hyung Hoi, Professor, Pusan National University Hospital, Busan, Korea
Kim Sollip, Inje University Ilsan Paik Hospital, Goyang, Korea
Kim Sun Joo, Dept Laboratory Medicine, Gyeongsang National University College of Medicine, Jinju, Korea

Kinniburgh David, Director, Alberta Centre for Toxicology, University of Calgary, Canada
Le Roux Carel, St Vincent's University Hospital, Dublin, Ireland
Lee Jaehyeon, Dept. of Laboratory Medicine, Jeonbuk National University Medical School and Hospital, Jeonju, Korea
Lee Jehoon, President KSCC, Eunpyeong St. Mary's Hospital, The Catholic University of Korea, Seoul, Korea
Lee Kyunghoon, Seoul National University Bundang Hospitality, Seongnam, Korea
Lee Sang-Guk, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
Lee Seung-Tae, Yonsei University College of Medicine, Seoul, Korea
Lee Soo-Youn, Samsung Medical Center, Seoul, Korea
Lee Woo In, Kyung Hee University Hospital at Gangdong, Seoul, Korea
Lee Woochang, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea
Lee Yong-Wha, Soonchunhyang Univ. Bucheon Hospital, Bucheon, Korea Lianidou Evi
Lenters Erna - Westra, European Reference Laboratory for Glycohemoglobin, Isala, Zwolle, Netherlands
Lianidou Evi, Analytical Chemistry Clinical Chemistry, Analysis of Circulating Tumor Cells (ACTC) Lab, Dept of Chemistry, University of Athens, Greece
Lim Jinsook, Chungnam National University Hospital, Daejeon, Korea
Loh Tze Ping, Clinical Chemistry Div., Dept. of Laboratory Medicine, National University Hospital, Singapore
Mackenzie Finlay, Birmingham Quality, UK NEQAS
Mathias Patrick C., Department of Laboratory Medicine and Pathology, University of Washington School of Medicine, Seattle, USA
Matsumoto Naomichi, Dept. of Human Genetics, Yokohama City University Graduate School of Medicine, Japan
Miller Gregory, Pathology Dept., Virginia Commonwealth University, Richmond, Virginia, USA
Min Won-Ki, Congress President, Asan Medical Center, Seoul, Korea
Mollee Peter, Pathology Queensland, Princess Alexandra Hospital, Brisbane, Australia
Murakami Masami, Dept. of Clinical Laboratory Medicine, Gunma University Graduate School of Medicine, Maebashi, Japan
Murray David, Mayo Clinic, Rochester, Minnesota, USA
Myers Gary, Myers Consulting, Smyrna, Georgia, USA
Nichols James, Vanderbilt University Medical Center, Nashville, Tennessee, USA
Nogueira Martins Luis, CML Germano de Sousa; Portuguese Society of Clinical Pathology (SPPC), Lisbon, Portugal
Oosterhuis Wytze, Reinier Haga Medical Diagnostics Centre, Delft, Netherlands
Ozben Tomris, EFLM President, Akdeniz University Medical Faculty Department of Clinical Biochemistry, Antalya, Turkey
Papasotiriou Ioannis, Department of Clinical Biochemistry, "Aghia Sophia" Children's Hospital, Athens, Greece
Park Hyung-Doo, Samsung Medical Center, Seoul, Korea
Park Sang-Ryoul, Korea Research Institute of Standards and Science, Daejeon, Korea
Payne Deborah, Consultant at CPDP Consulting, Denver, Colorado, USA
Pillay Tahir, Dept. of Chemical Pathology University of Pretoria, Pretoria, South Africa
Pu Ryan, President of TCSoft in Shanghai and member of Laboratory Medicine Sub-Association affiliated to China Association of Medical Equipment
Randell Edward W., Memorial University, Newfoundland and Labrador, Canada
Ryoo Namhee, Keimyung University School of Medicine Department of Laboratory Medicine, Daegu, Korea
Saenger Amy, Hennepin Country Medical Center, University of Minnesota, Minneapolis, Minnesota, USA
Sandberg Sverre, The Norwegian Organisation for Quality Improvement of Laboratory Examinations, Bergen, Norway
Seymann Gregory, Div. of Hospital Medicine, Dept. of Medicin, University of California San Diego School of Medicine, USA
Sharma Praveen, Professor of Biochemistry, All India Instiutte of Medical Sciences, Jodhpur, India
Shima Midori, Thrombosis and Hemostasis Research Center, Nara Medical University, Nara, Japan
Shin Myung-Geun, Chonnam National University Hwasun Hospital, Hwasun-gun, Jeollanam-do, Korea
Shipkova Maria, SYNLAB Holding Germany, Stuttgart, Germany
Shotelersuk Vorasuk, Chulalongkorn University, Bangkok, Thailand
Smetana Jan, Dept. of Genetics and Molecular Biology, Institute of Experimental Biology, Brno, Czech Republic
Song Sang Hoon, Seoul National University Hospital, Seoul, Korea
Song Junghan, Seoul National Universtiy Bundang Hospital, Seongnam-si, Korea
Stankovic Sanja, University Clinical Center of Serbia, Faculty of Medical Sciences University of Kragujevac, Belgrade, Serbia
Than Nyunt Martin, Director of Emergency Medicine Research, Christchurch, New Zealand
Topcu Deniz, Baskent University Faculty of Medicine, Medical Biochemistry, Ankara, Turkey
van Gelder Teunis, Leiden University Medical Center, Leiden, Netherlands
van Schaik Ron H.N., Dept Clinical Chemistry, Erasmus MC, Rotterdam, Netherlands
Van Schooneveld Trevor, University of Nebraska Medical Center, Omaha, USA
Verna Roberto, President of WASPaLM, Roma, Italy
Vesper Hubert, U.S. Centers for Disease Control and Prevention, Atlanta, Georgia, USA
Wielgosz Robert, BIPM, JCTLM, Sèvres, France
Wilkins Geoff, Siemens Healthineers, USA
Yenice Sedef, Group Florence Nightingale Hospitals, Istanbul, Turkey
Yong Dongeun, Yonsei University Health System, Seoul, Korea
Young Ian, Queen's University, Belfast, UK
Yun Yeo-Min, Konkuk University School of Medicine, Seoul, Korea
Zima Tomas, 1st Faculty of Medicine Charles University, General University Hospital, Prague, Czech Republic

SATELLITE MEETING

1

KSCC SATELLITE MEETING

Title: COVID-19 Diagnosis and Quarantine
Date: June 25 (Sat), 2022
Time: 14:00~20:00

Venue: Orchid Room(2F),
GRAND INTERCONTINENTAL SEOUL PARNAS
521 Teheran-ro, Gangnam-gu, Seoul

More info at: http://people-x.com/webmail/ifcc2022/m-e02.html

REGISTRATION

ON-SITE

AFTER 13 JUNE ONLY ON-SITE REGISTRATIONS WILL BE POSSIBLE

Full Registration	€ 750,00
Young Registration & Technicians (from Korea)	€ 375,00
Day Registration	€ 250,00

THE FULL REGISTRATION AND YOUNG REGISTRATION FEES INCLUDE:

1. entrance to plenary lectures, symposia, educational workshops, posters sessions and exhibition
2. possibility to submit abstracts
3. certificate of attendance
4. coffee and tea service during intermissions
5. Opening Ceremony and Welcome Cocktail (Sunday, 26 June 2022)
6. Closing Ceremony (Thursday, 30 June 2022)

THE DAY REGISTRATION FEE INCLUDES, FOR THE DAY OF REGISTRATION ONLY:

1. entrance to plenary lectures, symposia, educational workshops, posters sessions and exhibition
2. certificate of attendance
3. coffee and tea service during intermissions

LIABILITY AND INSURANCE

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.

REMEMBER TO LOGIN IF YOU REGISTERED FOR HYBRID WORLDLAB

CONGRESS VENUE

Coex is a business and cultural hub located in the heart of Gangnam, Seoul's business district. It is a popular entertainment destination in Seoul for both domestic and foreign visitors, and welcomes an average of 150,000 people a day.
Asia's largest underground mall, three five-star hotels, two premier office towers, a department store, a subway station, an airport terminal, and more are all located at Coex.
Coex is also Korea's top business events destination. The Coex Convention and Exhibition Center itself is a four-floor meetings venue with over 450,000 m2 of total floor space. There are over 200 exhibitions and 2,000 conferences here each year.

HOW TO GET TO COEX FROM INCHEON AIRPORT

TAXI
Approximately 60min
KRW 80,000 (standard)
KRW 110,000 (deluxe)

SUBWAY
KRW 4,250
Incheon International Airport Station(Incheon Airport Railroad) > Gimpo Intl. airport station, transfer to subway line 9 > Bongeunsa Station

Approximately 120 min

Incheon International Airport Station(Incheon Airport Railroad) > Hongik Univ. Station, transfer to subway line 2 > Samseong Station

Approximately 120 min

LIMO BUS SERVICES: DELUXE #6006
Approximately 75min
KRW 15,000 (Adult, one-way)
Bus stop at Samseong Station Exit 7

LIMO BUS SERVICES: DELUXE #6103
Approximately 65min
KRW 15,000 (Adult, one-way)
KRW 2,000 discount for a round-trip ticket
Bus stop at City Airport

LIMO BUS SERVICES: DELUXE #6703
Approximately 80min
KRW 16,000 (Adult, one-way)
Bus stop at Coex Intercontinental Hotel

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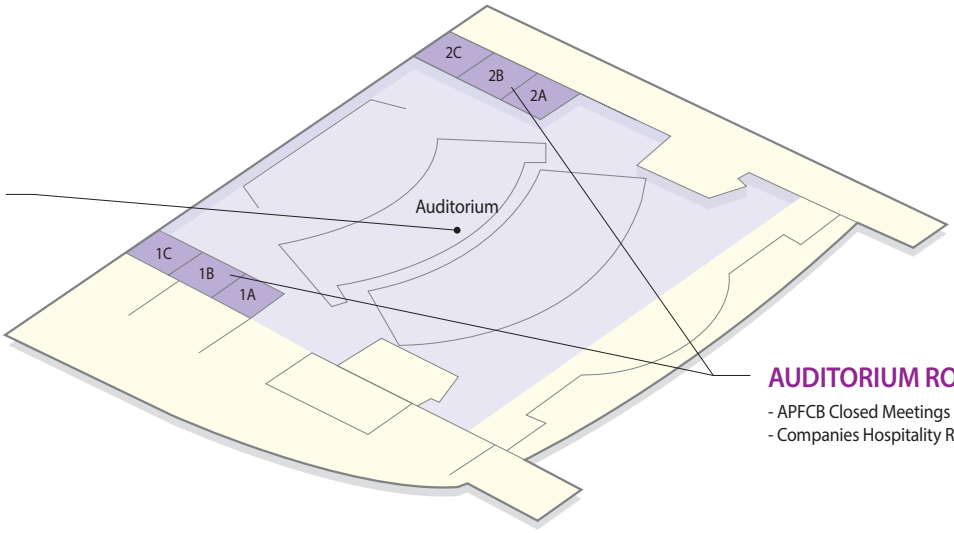
COEX MAP

3F

AUDITORIUM
- Opening Ceremony
- Plenary
- Symposia

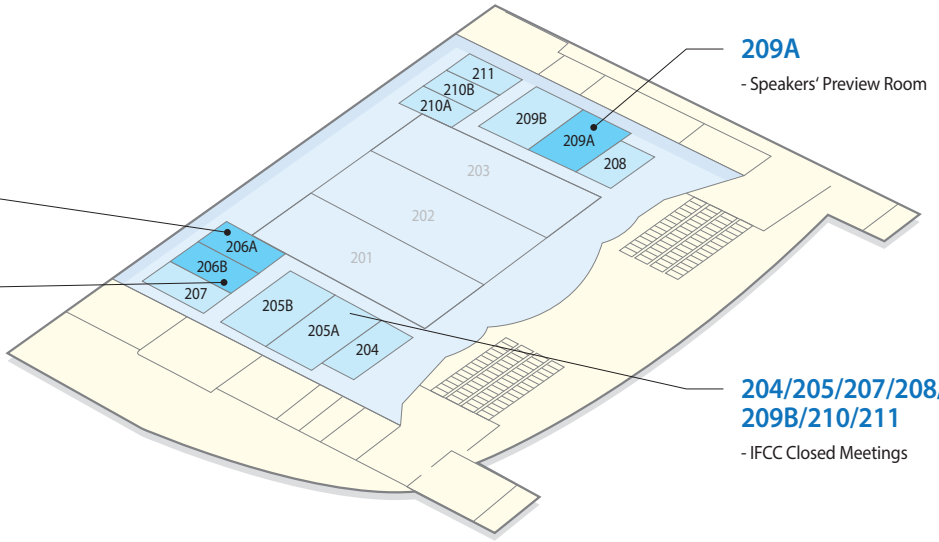


AUDITORIUM ROOMS
- APFCB Closed Meetings
- Companies Hospitality Rooms

2F

206A
- KSCC Room

206B
- COC Office

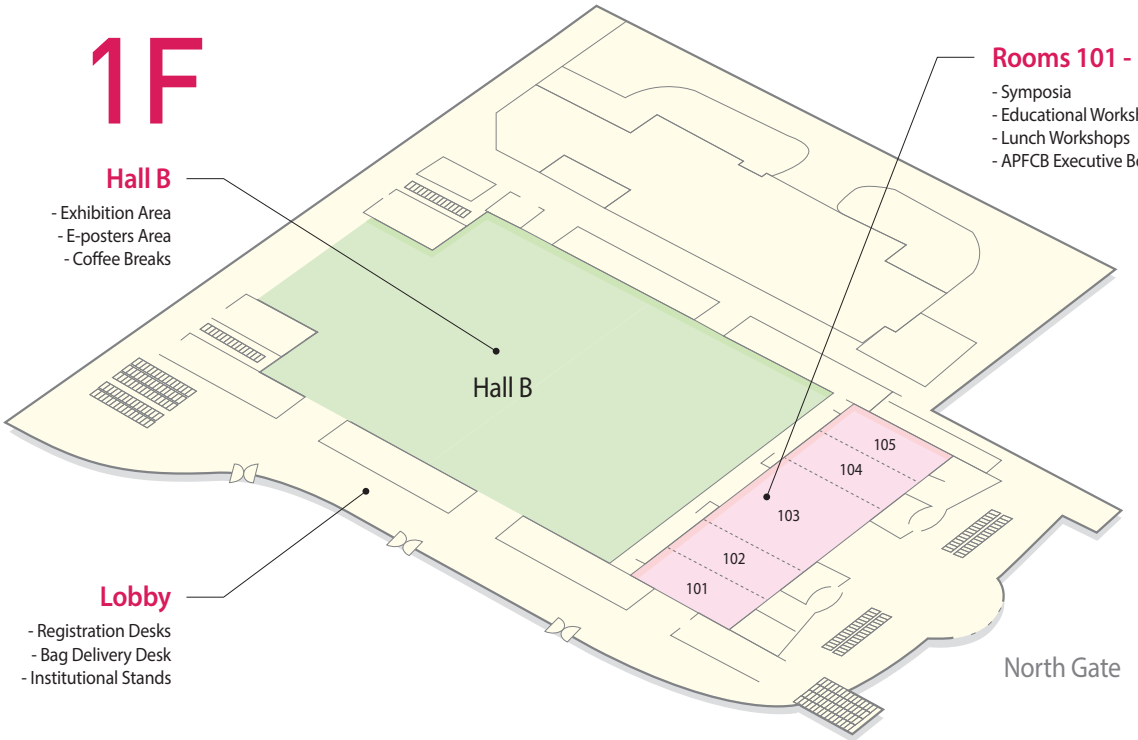


209A
- Speakers' Preview Room

204/205/207/208/ 209B/210/211
- IFCC Closed Meetings

1F

Hall B
- Exhibition Area
- E-posters Area
- Coffee Breaks



Rooms 101 - 105
- Symposia
- Educational Workshops
- Lunch Workshops
- APFCB Executive Board Meeting

Lobby
- Registration Desks
- Bag Delivery Desk
- Institutional Stands

GENERAL INFORMATION

REGISTRATION DESK

The registration desk, located at the entrance of Hall B, Level 1, is open as follows:

26 June 11:00 - 19:00	29 June 08:00 - 18:00
27 June 08:00 - 18:00	30 June 08:30 - 14:00
28 June 08:00 - 18:00	

OFFICIAL LANGUAGE

The official language of the congress is English. No simultaneous translation is provided.

NAME BADGE

All participants will receive a name badge when they check-in at the registration desk. The badge must be worn at all times since only registered participants will be admitted to the scientific sessions. It must also be worn at the social events organised as part of the congress.

CONGRESS KIT

The congress kit can be collected at the Congress Kit corner, at Level 0, on the left side of the registration desk, upon presentation of the congress-kit ticket provided with your badge.

SPEAKERS' PREVIEW ROOM

The Speakers' Preview Room is located in Room **209A**, on Level 2. Speakers are kindly requested to bring their presentation to the audiovisual centre on a USB drive at least two hours before the presentation is scheduled. Personal laptops cannot be connected to the system.

CERTIFICATE OF ATTENDANCE

All properly registered attendees will receive a certificate of attendance by e-mail, the week after the conference.

WIRELESS CONNECTION

WorldLab Seoul 2022 is offering free WiFi for delegates in all Congress Center.
Network: Coex free wifi zone

E-POSTERS

E-Posters are available inside the Exhibition Area, Hall B. From Monday to Wednesday, from 10:00 to 17:30.

ABSTRACT PUBLICATION

All abstracts are published in a special on-line issue of Clinica Chimica Acta (CCA).

INDUSTRY EXHIBITION

The exhibit of diagnostics companies makes up a very important part of the conference. All major international clinical-biochemistry and laboratory-medicine companies are represented.
Participants are encouraged to visit the large industry exhibition, which is located in Hall B, Level 0 and open as follows:

Monday 27 June	10:00 - 17:30
Tuesday 28 June	10:00 - 17:30
Wednesday 29 June	10:00 - 17:30

Access to the exhibition area is free of charge and does not require congress registration. However, for security reasons, anyone wishing to visit the exhibition without registering for the whole conference must report to the Visitors Desk, at the entrance of Hall B.

COFFEE POINTS

During intermission in the morning, inside the Exhibition Area, Hall B, self-service coffee points offer coffee and tea free of charge for all properly registered delegates.

BARS/RESTAURANTS

COEX is also one of the biggest shopping centers in Korea. For your lunch break, eat out on global cuisines and coffees.

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Contact person: Nina Wehrhoff - j.aldag@euroimmun.de

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EXIAS Medical GmbH : Kratkystraße 2, 8020 Graz, Austria
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In 2020, Greiner Bio-One International GmbH generated a turnover of 695 million euros and had 2,540 employees, 28 subsidiaries and numerous distribution partners in over 100 countries. Greiner Bio-One is part of Greiner AG, which is based in Kremsmünster (Austria).
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HUVAROS

Huvaros (www.huvaros.com) markets the online web application MA Generator.
The MA Generator tool allows laboratories to perform error detection simulations on their own laboratory specific datasets. This enables them to optimize and validate moving average QC or Patient-Based Real-Time QC (PBRTQC) settings. The obtained settings can then be programmed on software available at the lab (analyzer, middleware, LIS) to use moving average QC or (PBRTQC) real-time in routine clinical practice. Also the settings are valuable to design and validate the overall QA/QC plan of a test. In a similar way the MA Generator can be used to optimize and validate auto-verification settings of limit checks. Huvaros was founded in 2015 by Huub van Rossum and is located in The Netherlands.
Contact: info@huvaros.com. When interested in a MA Generator Demonstration, contact Demo@huvaros.com

IMPROVE MEDICAL

IMPROVE MEDICAL was founded in 1996, a national high-tech enterprice who has been focusing on pre-analytiacl variation control of specimen for 26 years. IMPROVE MEDICAL has grown to be the top supplier of venous blood collection sepecimen in China and becomes one of the leading suppliers in wordwide. Now IMPROVE group has 20 subsidiaries home and abroad, our products and service including: Precision Medicine, intelligent medical service and medical service. Our vacuum tubes Gel & Clot Activated Tube is the uniqe US FDA 501(K) approved in China. And we are the first batch IVDR acquried company for evacuated blood collect tubes in wordwild. We provide products, technologies, services and solutions to almost 100 countries and areas all of the world.

Address: No. 102, Kaiyuan Avenue, Science City, Guangzhou Economic & Technological Development District, Guangzhou,China - Phone: +86-20-32312610/1/2/3/4/5/6/7 - Fax: +86-20-32312667/2611
Email: info@improve-medical.com - Erica@improve-medical.com - Clement@improve-medical.com

LABQUALITY

Labquality is an independent Finnish external quality assessment provider with over 50 years of experience in helping clinical laboratories develop and maintain their performance. Over 7,500 medical laboratories and point-of-care testing sites all over the world have chosen Labquality as their primary EQA provider because of the clinically relevant design of our EQA programs and the professional support of our local partners. Our main EQA schemes are accredited according to ISO 17043 (PT02/FINAS). In addition, Labquality's consultation team of experts serves medical device manufacturers by providing comprehensive consulting services for, among other things, global product registration. Our experts all have more than 15 years of experience in the registration, quality, and product development of medical devices. We have made hundreds of registrations in the EU and over 40 other countries. We are looking for distributors!

Juha Wahlstedt: juha.wahlstedt@labquality.fi - +358 50 3275338 - www.labquality.fi
Labquality Oy, Kumpulantie 15, 00520 Helsinki, Finland

LG CHEM, LTD.

LG Chem helps the people to lead a healthy life by strengthening its R&D competence in Life Sciences. Life Sciences is the company's new growth engine in the mid to long term goal. The company has secured the differentiated R&D competence and has received the U.S. FDA approval for its new drugs for the first time in Korea. LG Chem's Diagnostics division has been accomplished remarkable success in Korean Market. LG Chem is supplying HCV, HIV test to Korea National Blood Bank from 1998 and has strong market leadership in allergy screening and molecular diagnostics of infectious diseases.

LG Science Park E14, 70, Magokjungang 10-ro, Gangseo-gu, Seoul, Republic of Korea
Tel: +82 2 6987 4213 / Email: Kunki@lgchem.com - Website: www.lgchem.com

NOVA BIOMEDICAL

Nova Biomedical is a world leader in point of care and critical care whole blood in vitro diagnostic testing. Its products are marketed in six worldwide market areas—Hospital, Clinic/physician Office, A&E, Veterinary, Blood Bank, and Self-test. Hospital and veterinary products include StatStrip® hospital point-of-care meters for interference-free glucose testing, creatinine and eGFR testing for rapid renal function monitoring, lactate testing to monitor tissue perfusion, and Hb & Hct testing for rapid anemia assessment. Nova's Stat Profile® critical care blood gas analyzers feature no-maintenance cartridges, MicroSensor card technology, and a 22-test menu including iMg, Urea, Creatinine, estimated plasma volume (ePV) and Cooximetry with results in about a minute. Allegro™ for physician office labs is a fast, simple, capillary blood analyzer providing HbA1c, lipids, urine creatinine/albumin, PT/INR, and CRP with results available during a patient visit. EMS Stat™ is a portable system for ambulance and emergency use for rapid glucose, ketone, lactate, hemoglobin, and hematocrit testing using tiny capillary blood samples.

Nova Biomedical
200 Prospect Street - Waltham, Massachusetts 02454 USA
Tel. 781-894-0800 - Fax. 781-894-5915
Email. info@novabio.com - Web site. www.novabiomedical.com

QIAGEN

QIAGEN N.V., a Netherlands-based holding company, is the leading global provider of Sample to Insight solutions that enable customers to gain valuable molecular insights from samples containing the building blocks of life. Our sample technologies isolate and process DNA, RNA and proteins from blood, tissue and other materials. Assay technologies make these biomolecules visible and ready for analysis. Bioinformatics software and knowledge bases interpret data to report relevant, actionable insights. Automation solutions tie these together in seamless and cost-effective workflows. QIAGEN provides solutions to more than 500,000 customers around the world in molecular diagnostics (human healthcare), Applied Testing (primarily forensics), Pharma (pharma and biotech companies) and Academia (life sciences research). Further information can be found at https://www.qiagen.com/.

QIAGEN Korea Ltd.
5th Fl., Seoul Square 416, Hangang-daero, Jung-Gu, Seoul, Korea
Orders: 080-000-7146 - Technical: 080-000-7145

QUIDEL CORPORATION

Quidel Corporation is a leading manufacturer of diagnostic solutions at the point of care, delivering a continuum of rapid testing technologies that further improve the quality of health care throughout the globe. An innovator for over 40 years in the medical device industry, Quidel pioneered the first FDA-cleared point-of-care test for influenza in 1999 and was the firs to market a rapid SARS-CoV-2 antigen test in the U.S. Under trusted brand names, Sofia®, Solana®, Lyra®, Triage® and QuickVue®, Quidel's comprehensive product portfolio includes tests for a wide range of 8 infectious diseases, cardiac and autoimmune biomarkers, as well as a host of products to detect COVID-19. With products made in America, Quidel's mission is to provide patients with immediate and frequent access to highly accurate, affordable testing for the good of our families, our communities and the world.

Quidel
9975 Summers Ridge Road - San Diego, CA 92121
www.quidel.com

RADIOMETER

Radiometer provides powerful acute care diagnostic solutions based on a belief that a seamless relationship between people and technology is crucial. Since developing the world's first commercially available blood gas analyzer in 1954, we have continuously advanced our acute care diagnostic solutions with dedication, clinical evidence, attention to detail, and heartfelt passion. Together we bring reliable, connected solutions to critical care settings around the world.

The innovation and improvement of our products and solutions come from the passion and persistence of our associates. We believe that great ideas and results come from associates who are inspired to grow. Our diverse community of colleagues, work and collaborate with health care professionals and hospitals around the world to continuously improve the diagnostic experience and patient outcomes. We promise that whatever comes next, we make sure life comes first.

Radiometer Korea
Eunsung Bldg. 15Fl., 741 Yeongdong-daero, Gangman-gu, Seoul, Korea
Tel: 02) 2056 9300 - E-mail: info@radiometer.kr

SAMKWANG MEDICAL LAB

Samkwang Medical Lab is a certified diagnostic lab with CAP and ISO9001 with 37 years of history supporting healthcare providers. As a leading provider of laboratory testing in Korea, SML has established two centers in major regions: Busan and Daejeon, along with the main center in Seoul. We provide high-quality service through automated laboratory systems and offer more than 4,000 diagnostic tests, ranging from routine biological tests to specialized genetic tests and so forth. Also, SML was reorganized to "SamKwang Biotree Group" in 2020, combining with subsidiary companies involved in biological and medical fields. We will continue to lead the industry with healthcare innovations that provide better health and service in the diagnostic field.

SAMKWANG MEDICAL LAB
57, Baumoe-ro-41-gil, Seocho-gu, Seoul, 06742, Korea
Tel.: +82-1661-5117 - Fax: +82-2-3497-5249
E-mail: ampr@smlabtree.com - www.smlab.co.kr

SD BIOSENSOR

SD Biosensor is a company specializing in point-of-care testing. It is a total solution provider in the in-vitro diagnostics (IVD) industry, meaning not only does it sell on-site diagnostic reagents and equipment that diagnoses diseases with simple methods in the field, but also takes the responsibility for developing and manufacturing them. SD Biosensor has established a full line-up portfolio, extending from screen tests to confirmation tests, which account for about 70% of the global IVD market. Since the outbreak of COVID-19, the company has developed more than 20 COVID-19 reagent-kits, of which the COVID-19 Ag Test was the first in the world to obtain WHO Emergency Use Listing. Moreover, SD Biosensor has been successfully selling M10, the on-site molecular diagnostic platform, after its launch in August, 2021.

SD BIOSENSOR Head Office
C-4&5 Floor, 16, Deogyeong-daero 1556beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16690, REPUBLIC of KOREA
Tel.:+82-31-300-0400 - https://www.sdbiosensor.com/ - pr@sdbiosensor.com

SHINYANG CHEMICAL CO.

Shinyang Chemical Co., Ltd, we have continued to grow in quantity/quality as a specialist for in-vitro diagnostics for over 30years. A diagnostics field is undergoing change and improvement ;1) we have competitive manufacturing sector with quality improvement skills and research, 2) building cooperative network of companies with domestic and abroad excellent diagnostics business and 3) have experienced employees to meet higher than expected customer demand, so we can prepare any challenges in the future. We will communicate with customer for the reliable partnership and effort to the improvement.

Shinyang Chemical Co.
14 Bongeunsa-ro 43gil, Gangnam-gu, Seoul, 06103 Rep. of Korea
Telephone +82-2-2056-8415 - Fax +82-2-546-4370
www.sy-diagnostics.com - ke-lee@sy-diagnostics.com

WEQAS

Weqas are a Global Provider of Quality in Diagnostic Medicine. Weqas is one of the leading External Quality Assessment (EQA) providers with over 50 years' experience in Quality Assurance, providing solutions in Laboratory Medicine. Weqas provides over 50 EQA Programmes, including external audit, performance analysis and an educational advisory service.
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Ph.: +44 (0)29 20 314750 - Email: contact@weqas.com - https://www.weqas.com

WERFEN

Werfen is a growing, family-owned, innovative company founded in 1966 in Barcelona, Spain.
We are a worldwide leader in specialized diagnostics in the areas of Hemostasis, Acute Care Diagnostics and Autoimmunity. Through our Original Equipment Manufacturing (OEM) business line, we research, develop and manufacture customized assays and biomaterials.
We operate directly in 30 countries, and in more than 100 territories through distributors. Our Headquarters and Technology Centers are located in the US and Europe. Worldwide sales exceed $2 billion annually, and our workforce is more than 5,000 strong.

WERFEN
#1101 Hi-Brand B/D(Living Kwan), Maeheon-ro 16, Seocho-gu, Seoul, 06771, Korea
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ORGANISING SECRETARIAT
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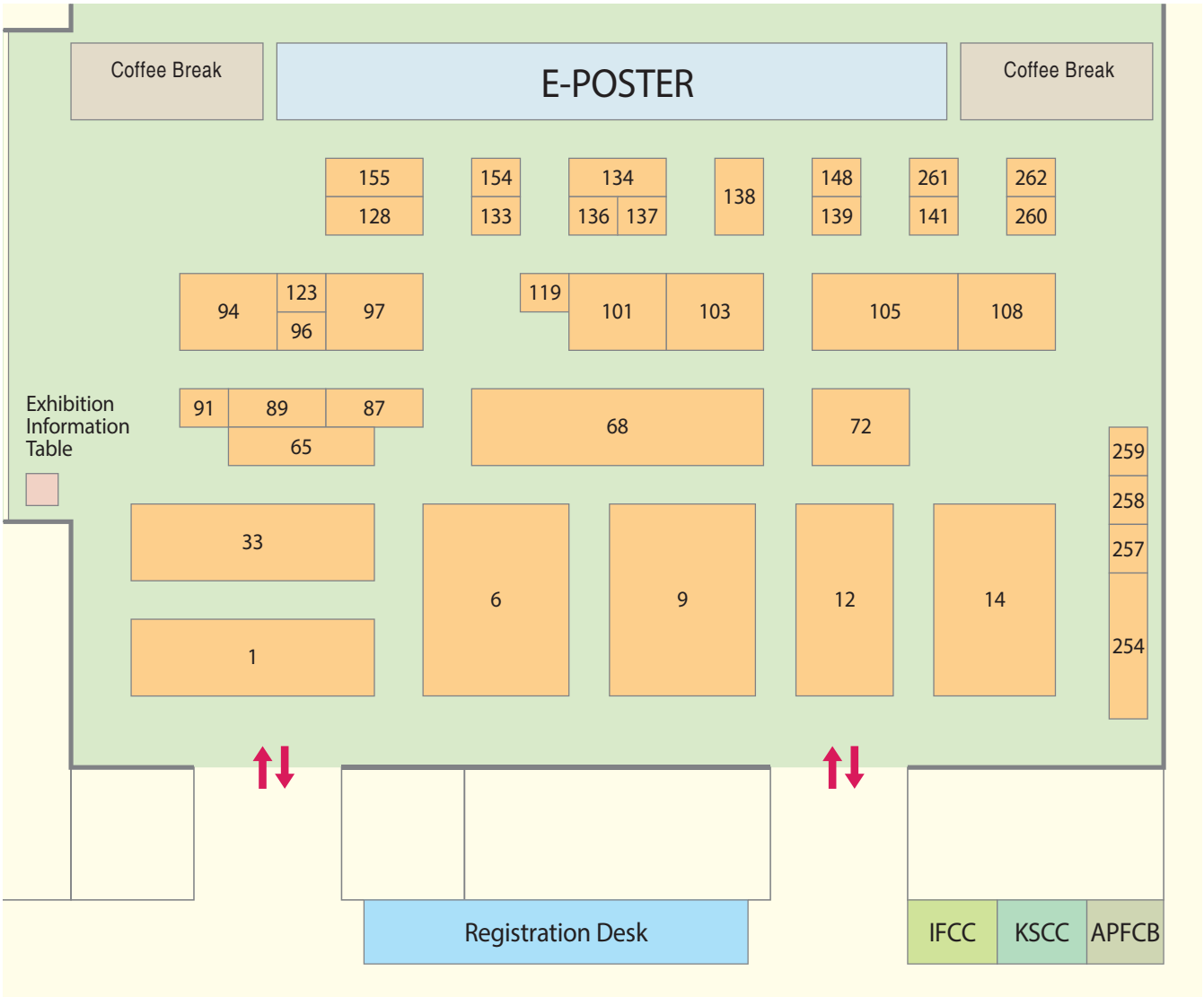
EXHIBITION AREA MAP
HALL B



EXHIBITORS LIST

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ABBOTT	14
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DEADLINES

15 January 2024
Deadline for poster abstract submission

31 March 2024
Deadline for reduced registration fees

IFCC International Federation of Clinical Chemistry and Laboratory Medicine

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