Dear Colleagues,

On behalf of the Organizing Committee of the XV International Congress of Pediatric Laboratory Medicine (ICPLM) and the Committee of Emerging Technologies in Pediatric Laboratory Medicine (C-ETPLM) of the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), we invite you to the Congress in Seoul, South Korea on 22nd - 24th May 2020.

The Congress is organized in cooperation with the Korean Society of Clinical Chemistry.

The Congress will focus on the Emerging Technologies in all areas of pediatric clinical and diagnostic laboratory medicine and we are certain that all participants will be enthused by the program. Taking place immediately before the IFCC World Lab Seoul 2020, the congress offers you the unique opportunity to gather the latest information in laboratory medicine with a special focus on children. The scientific program will cover a wide range of topics and includes sessions on neonates and newborn screening, endocrinology (including bone metabolism), clinical cases, data mining approaches to clinical values, emerging technologies in pediatrics and application of NGS in pediatrics, hematology, POCT and Pediatric Laboratory Medicine, and many other topics. We would also like to encourage you to submit your latest scientific research results to be presented in scientific oral and poster sessions.

The program offer the opportunity to interact and network with a wide variety of professionals including laboratory physicians, scientists and technologists, as well as practicing clinicians in pediatrics, neonatology, infectious disease and family medicine.

Detailed information about the 2020 ICPLM Seoul and its program can be found at the following link: www.icplm2020.org

Please save these dates in your calendar - we look forward to hosting you in Seoul in May 2020.

Tim Lang                              Sharon Geaghan
Chair ICPLM 2020             Co-chair, ICPLM 2020

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**LIST OF CORRESPONDING MEMBERS, NOMINATED BY NATIONAL SOCIETIES**

Martha Lyon  Canadian Society of Clinical Chemists (CSCC)
Agnès Mailloux  Société Française de Biologie Clinique (SFBC)
Elena Dumin  Israel Society for Clinical Laboratory Science
Atsushi Watanabe Japan Society of Clinical Chemistry (JSCC)
Audrone Eidukaite  Lithuanian Society of Laboratory Medicine
Josephine Onakoya  Association of Clinical Chemists Nigeria (ACCN)
Anne-Lise Bjørke-Monsen  Norwegian Society of Medical Biochemistry
Ranya Abu Sair  Palestinian Medical Technology Association (PMTA)
Eresha Jasinghe Association for Clinical Biochemistry, Sri Lanka
Umit Dilber Mutlu  Turkish Biochemical Society (TBS)
Joely Straseski  American Association for Clinical Chemistry (AACC)
Tran Thi Chi Mai Vietnamese Association of Clinical Biochemists (VACB)
Saturday 23rd May 2020
8.30-9.30
Prof. Ching-wan Lam, Hong Kong SAR, China

Genome sequencing for undiagnosed and rare diseases in children

Professor Lam obtained his MBChB from The Chinese University of Hong Kong in 1991 and FRCPA in 1997 from The Royal College of Pathologists of Australasia with a double scope of practice in Chemical Pathology and Genetics. He obtained his PhD in 2000 from The Chinese University of Hong Kong. He obtained FRCP(Glas) from The Royal College of Physicians and Surgeons of Glasgow in 2012. He identified the first gene for infantile autism in 2000. He is currently a Clinical Professor at The University of Hong Kong and a registered specialist in pathology. His research interests include various aspects of advanced genetic testing, inherited metabolic diseases, clinical metabolomics and clinical genomics. He is an editor of Clinica Chimica Acta.

Sunday 24th May 2020
8.30-9.30
Dr. Ngiam Kee Yuan, Singapore

Clinical Artificial Intelligence

Group Chief Technology Officer, National University Health System. Deputy Chief Medical Informatics Officer, National University Hospital. Assistant Professor Ngiam Kee Yuan is the Group Chief Technology Officer of the National University Health System (NUHS) Singapore overseeing technology deployment in the Western Healthcare Cluster of Singapore. In this role he assists the Chief Executive to implement new technologies throughout NUHS and serves as the Chief Advisor to the Centre for Innovation in Healthcare in NUHS. Prof Ngiam is concurrently the Deputy Chief Medical Informatics Officer at the National University Hospital of Singapore with a special focus on artificial intelligence research and implementation in healthcare. In his capacity as Assistant Professor, Department of Surgery, Yong Loo Lin School of Medicine NUS, he engages in research into endocrine and metabolic surgery as well as artificial intelligence applications in healthcare.

He promotes interdisciplinary collaboration throughout the NUS campus, particularly between the schools of medicine, engineering and computer science for various healthcare applications. He was awarded the ExxonMobil-NUS Research Fellowship for Clinicians and numerous teaching awards for his work in research and education.

Sunday 24th May 2020
14.20-15.20
Dr. Shao Huilin Singapore

Emerging Biotech

Dr. Huilin Shao received her BA from Cornell University, with a double major in Biological Sciences and in Physics. She completed her dual PhD (Biophysics) at Harvard University and PhD (Medical Engineering) from Harvard-MIT Health Sciences and Technology (HST) under the guidance of Profs. Ralph Weissleder and Robert S.Langer. After a postdoctoral fellowship with Prof. Hakho Lee at Massachusetts General Hospital, Harvard Medical School, Dr. Shao returned to Singapore and started her research group. Her research focuses on developing integrated nanotechnology-based platforms for molecular analyses of novel biomarkers. Her work has been published in top journals such as Nature Biotechnology, Nature Medicine, Nature Communications and highlighted in major reviews and popular news media.
PROGRAM  FRIDAY MAY 22

ROOM A

08.30 Plenary Lecture 1
09.30 Symposium 1
10.30 Symposium 2
11.30 Symposium 3
13.30 Symposium 4
14.30 Symposium 5
15.30 Symposium 6
17.00 Opening Ceremony and Plenary Lecture 1
19.00 Pediatric Obesity Epidemic in SE Asia, Hye Ran Yang, Korea

PROGRAM  SATURDAY MAY 23

ROOM A

08.30 Plenary Lecture 2
09.30 Symposium 1
10.30 Symposium 2
11.30 Symposium 3
13.30 Symposium 4
14.30 Symposium 5
15.30 Symposium 6
17.00 Opening Ceremony and Plenary Lecture 1
19.00 Pediatric Obesity Epidemic in SE Asia, Hye Ran Yang, Korea

AUDITORIUM

09.30 Symposium 2
12.30 Neonates and Newborn Screening
13.30 Symposium 4
15.45 Symposium 6
16.00 Symposium 4
17.45 Symposium 6

SYMPHOSIUM 1
Emerging Technologies in Paediatrics
Chair: Tbc
Speakers:
Introduction to Emerging Technologies in Paediatrics
S. Bernardi, Italy
Updates in mass spectrometry related to paediatric topics
Tbc
The potential of e-health and m-health in paediatric laboratory medicine
to improve service delivery
Tbc

SYMPHOSIUM 2
Genome sequencing for undiagnosed and rare diseases in children
Ching-wan Lam, Hong Kong SAR, China
Speakers:

SYMPHOSIUM 3
Emerging application of NGS in pediatrics
Chair: Ching-wan Lam, Hong Kong SAR, China
Speakers:
Next generation sequencing on second-tier newborn screening using
dried blood spots
Kwok-yeung Tsang, Hong Kong SAR, China
NGS is the latest development in the intestine flora and the latest
development in clinical testing industry
Lai Xinzhi, Taiwan

SYMPHOSIUM 4
Haematology
Chair: Agnes Mailloux, France; Ioannis Papassotiriou, Greece
Speakers:
Prenatal genotyping for monitoring haemolytic anaemia of newborn
Agnes Mailloux, France
Haemoglobinopathies
Ioannis Papassotiriou, Greece
The clinical impact of metabolome analysis in Sickle Cell Disease
Ioannis Papassotiriou, Greece

SYMPHOSIUM 5
POCT / Remote laboratory
Chair: Sharon Geaghan, USA; Kohse Klaus, Germany
Speakers: Tbc

SYMPHOSIUM 6
Clinical Cases
Chair: Roy Peake, USA; Joely Straseski, USA
Speakers:
Optimizing workflows for low-volume, clinically urgent testing: Automated
reports for serum HVA/VMA orders
Jane Dickerson, USA
Diagnosis of classic galactosemia through whole exome sequencing
Ronda Greaves, Australia
Identification of congenital or acquired pseudohypoaldosteronism using mass
spectrometry
Dan Holmes, Canada
The use of pediatric reference intervals in the clinical laboratory
Kim Jeong-Ho, Korea
The use of untargeted metabolomics as a discovery tool for inborn errors of
metabolism
Roy Peake, USA
SCHOLARSHIPS

The Society for the Study of Inborn Errors of Metabolism has generously offered 20 travel grants (500EURO each) to support individuals with an interest in inherited metabolic diseases. The aim of the Society, founded in 1963, is to foster the study of metabolic and related topics, and to promote ideas exchange between professionals in different disciplines in inherited metabolic disease (http://www.ssiem.org). Information about selection criteria may be found on the congress website.

TIMETABLE

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<tr>
<th>h</th>
<th>FRIDAY, 22ND MAY 2020</th>
<th>SATURDAY 23RD MAY 2020</th>
<th>h</th>
<th>SUNDAY 24TH MAY 2020</th>
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<tbody>
<tr>
<td>8.30-9.30</td>
<td>PLENARY LECTURE 2</td>
<td>SYM 1 Emerging Technologies in Pediatrics</td>
<td>8.30-9.30</td>
<td>PLENARY LECTURE 3</td>
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<td>9.30-12.30</td>
<td>SYM 2 Neonates and Newborn Screening</td>
<td>SYM 7 Data Mining approach to clinical values</td>
<td>9.30-12.30</td>
<td>SYM 7 Data Mining approach to clinical values</td>
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<td>12.30-13.30</td>
<td>POSTER VIEWING</td>
<td>POSTER VIEWING</td>
<td>12.30-13.00</td>
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<td>14.20-15.20</td>
<td>SYM 4 Haematology</td>
<td>PLENARY LECTURE 4</td>
<td>14.20-15.20</td>
<td>PLENARY LECTURE 4</td>
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<td>15.20-15.35</td>
<td>CLOSING CEREMONY POSTER AWARDS</td>
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<td>15.20-15.35</td>
<td>CLOSING CEREMONY POSTER AWARDS</td>
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<td>15.15-17.45</td>
<td>SYM 5 POCT / Remote Laboratory</td>
<td>SYM 6 Clinical Cases</td>
<td>15.15-17.30</td>
<td>SYM 5 POCT / Remote Laboratory</td>
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<td>15.00 - 21.00</td>
<td>OPENING CEREMONY PLENARY LECTURE 1</td>
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<td>15.00 - 17.45</td>
<td>OPENING CEREMONY PLENARY LECTURE 1</td>
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**SKY 31 CONVENTION**

31F LOTTE World Tower, 300 Olympic-ro, Songpa-gu, Seoul.

The SKY 31 convention located at the Lotte World Tower, which symbolizes Korea’s pride. With a differentiated infrastructure, you can experience the world’s most comprehensive conventions. Lotte World Tower, the tallest vertical city in Korea, can hold various events such as seminars, exhibitions and conferences at a reasonable price on the 31st floor. Please enjoy the best service at SKY 31 Convention which is based on beautiful Han River and Seokchon Lake.

**REGISTRATION**

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<tr>
<th>Before 31 March</th>
<th>After 31 March</th>
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<tr>
<td>Full Registration</td>
<td>€ 250</td>
<td>€ 300</td>
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<tr>
<td>Young Scientist (&lt; 35 years)</td>
<td>€ 100</td>
<td>€ 150</td>
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<tr>
<td>Day registration (23rd /24th)</td>
<td>€ 150</td>
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**ABSTRACT**

Congress delegates are invited to submit abstracts of their scientific work for poster presentation at XV International Congress of Pediatric Laboratory Medicine (ICPLM). Abstracts are welcome in all fields of Pediatric Laboratory Medicine, (clinical chemistry, hematology, clinical molecular biology and laboratory medicine). A limited number of abstracts will be selected for oral presentation during an abstract presentation session on Sunday afternoon at the Congress. Please visit the web site: http://www.icplm2020.org/ in order to submit your abstract.


**AWARDS**

Poster presentations on all Topics in Pediatric Laboratory Medicine are invited. Three scientific awards will be given for:

1. The best oral presentation by a young attendee (less (<40 years old on the 1st of January 2020) will be awarded the Michael Metz Award (€500), a new award commemorating the life and work of the past chair of the Task Force of Pediatric Laboratory Medicine.

2. The best poster by an attendee (€300)

3. The best oral presentation by an attendee >40 years old on 1st of January 2020 (€300)