Dear Colleagues,

On behalf of the Organizing Committee of the XV International Congress of Pediatric Laboratory Medicine (ICPLM) and the International Federation of Clinical Chemistry and Laboratory Medicine Committee of Emerging Technologies in Pediatric Laboratory Medicine (C-ETPLM) we invite you to the re-scheduled Congress due to the Covid-19 pandemic to be held and delivered fully virtually on 26th - 27th November 2021.

The Congress theme 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 EuroMedLab 2021 - XXIV IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine, 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 emerging technologies in paediatrics, mass spectrometry, applications of NGS, hematology, data mining approaches to clinical values, AI/machine learning and the response to the Covid-19 pandemic in paediatrics.

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 2021 ICPLM and its program can be found at the following link: www.icplm2021.org.

Tim Lang  
Chair ICPLM 2021

Sharon Geaghan  
Co-chair, ICPLM 2021
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)
Josep Miquel Bauçá  Sociedad Española de Medicina de Laboratorio (SEQCML)
Eresha Jasinghe  Association for Clinical Biochemistry, Sri Lanka
Fatma Taneli  Turkish Biochemical Society (TBS)
Joely Straseski  American Association for Clinical Chemistry (AACC)
Tran Thi Chi Mai  Vietnamese Association of Clinical Biochemists (VACB)

CHAIRS OF THE CONGRESS

Tim Lang, UK
Sharon Geaghan, USA

EMERGING TECHNOLOGIES IN PEDIATRIC LABORATORY MEDICINE (C-ETPLM)

T. Lang, UK  Y.B. de Rijke, NL
T.P. Loh, SG  K. Kohse, DE
C. M. Mak, CN  S. Geaghan, USA
I. Papassotiriou, GR  R. Greaves, AU
J. Zierk, DE
FRIDAY 26TH NOVEMBER

08.30  OPENING CEREMONY
Introduction of Congress and opening by Chair and IFCC President
Tim Lang (London, UK), Khosrow Adeli (Toronto, Canada)

08.45  Plenary 1
Chair: Tim Lang

COVID-19 and the impact on child health
Ruud Nijman (London, UK)

10.00  Symposium 1
Emerging Technologies in Pediatrics
Chairs: Tim Lang, Sharon Geaghan

• Introduction to Emerging Technologies in Paediatrics
  Sergio Bernardini (Rome, Italy)
• Paediatric related issue from Committee on Mobile Health and
  Bioengineering in Laboratory Medicine (C-MHBLM)
  Tahir Pillay (Cape Town, South Africa)
• A Machine Learning Approach for the Automated Interpretation of
  Plasma Amino Acid Profiles
  Rachel Carling (London, UK)

12.00  Symposium 2
Mass spectrometry
Chairs: Yolanda de Rijke, Ronda Greaves

• Updates in mass spectrometry related to paediatric topics
  Daniel Holmes, (Vancouver, Canada)
• Lipidomics in Paediatrics
  Martin Hersberger (Zurich, Switzerland)
• Differential diagnosis of steroid related disorders in DSD
  Stefan Wudy (Giessen, Germany)

14.30  Plenary 2
Chair: Sergio Bernardini

Ending diagnostic odyssey in undiagnosed rare diseases by WES
Ching-wan Lam (Hong Kong, China)

15.45  Symposium 3
Emerging applications of NGS in paediatrics
Chairs: Chloe Mak, Vijay Grey

• Next generation sequencing on NBS using DBS, either second tier or
  first line screening
  Chloe Mak (Hong Kong, China)
• Use of ultra rapid WGS in paediatrics
  Sebahattin Cirak (Cologne, Germany)
• The Neonatal Intestinal Microbiome: Origins and Outcomes
  Nikhil Pai (Hamilton, Canada)
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<tr>
<th>Time</th>
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<td>08.30</td>
<td><strong>Plenary 3</strong></td>
<td>Klaus Kohse</td>
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<td>09.30</td>
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<td>Metabolic regulation of early growth and</td>
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<td>Berthold Koletzko (Munich, Germany)</td>
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<td>09.45</td>
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<td><strong>Haematology</strong></td>
<td>Ioannis Papassotiriou, Sharon Geaghan</td>
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<td>• Prenatal genotyping for monitoring</td>
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<td>haemolytic anaemia of newborn</td>
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<td>Agnes Mailloux (Paris, France)</td>
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<td>• Endothelial dysfunction and coagulopathy</td>
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<td>Ioannis Papassotiriou (Athens, Greece)</td>
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<td>• Laboratory assessment of hematologic and</td>
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<td>Chrysanthi Skevaki (Marburg, Germany)</td>
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<td><strong>Data mining approach to clinical values</strong></td>
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<td>Chairs: Tze Ping Loh, Jakob Zierk</td>
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<td>• LIFE child study</td>
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<td>Jürgen Kratzsch (Leipzig, Germany)</td>
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<td>• Data mining of pediatric reference</td>
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<td></td>
<td>Khosrow Adeli (Toronto, Canada)</td>
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<td>14.15</td>
<td><strong>Symposium 6</strong></td>
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<td>16.15</td>
<td><strong>Oral Presentation of submitted abstracts</strong></td>
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<td>Chairs: Vijay Grey, Sharon Geaghan</td>
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<td>16.15</td>
<td><strong>CLOSING CEREMONY</strong></td>
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SCHOLARSHIPS

With the XVth International Congress of Pediatric Laboratory Medicine becoming a virtual only meeting the Society for the Study of Inborn Errors of Metabolism has generously offered to support more Scholarships covering the Registration Fee to support individuals with an interest in inherited metabolic diseases. **The deadline for applications is Monday 1st November.** Updated information about selection criteria may be found on the congress website.

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).

AWARDS

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 2021) 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 2021 (€300)

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**Society for the Study of Inborn Errors of Metabolism**

(http://www.ssiem.org)
NEW REGISTRATION FEES

1. Full Registration € 180,00
2. Young Scientist (< 35 years) € 100,00

Vat 22% Included

THE REGISTRATION FEES INCLUDE

- password that will allow you to connect to the Virtual Plattform
- certificate of attendance

ABSTRACT

Congress delegates have been invited to submit abstracts of their scientific work for poster presentation at XV International Congress of Pediatric Laboratory Medicine (ICPLM).
Abstracts have arrived in all fields of Pediatric Laboratory Medicine (clinical chemistry, hematology, clinical molecular biology and laboratory medicine).
Six abstracts have been selected for oral presentation during the abstract presentation session.
All posters will be displayed as pdf file in a gallery on the Virtual Plattform.