**TUESDAY 12 JUNE**

<table>
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<tr>
<th>TIME</th>
<th>SESSION</th>
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<tr>
<td>11:00-17:00</td>
<td><strong>Registration 11:00-17:00</strong></td>
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<tr>
<td>15:30</td>
<td><strong>Finlandia Hall, Main Hall</strong></td>
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<td><strong>Opening Ceremony and Welcome</strong></td>
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|            | **The future of molecular biology in the diagnostic laboratories** - Maurizio Ferrari (IFCC Past President, Italy)  
**Chair:** Kari Pulkki                                                                 |
|            | **The FSCC Clinical Chemist Prize 2018** - Anna Linko-Parvinen  
**The Finnish Society of Clinical Chemistry rewards annually a medical specialist or a clinical chemist merited in practical or clinical work in laboratory medicine.** |
| 16:35      | **BREAK**                                                                                                                             |
| 17:10      | **16:45 Maternal thyroid function in early pregnancy and neuropsychological performance of the child at 5 years of age - Stine Linding Andersen (Aalborg University Hospital, Denmark)  
**17:15 U-shaped relationship of high-density lipoprotein and risk of infectious disease: two prospective population-based cohort studies** - Christian Mønke Madsen (Herlev and Gentofte Hospitals, Denmark)  
**17:45 Adiposity amplifies the genetic risk of fatty liver disease conferred by multiple loci - Stefan Stender (University Hospital of Copenhagen, Rigshospitalet, Denmark)** |
| 18:30-20:00| **Get-together Reception, Finlandia Hall, Piazza**                                                                                       |

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**WEDNESDAY 13 JUNE**

<table>
<thead>
<tr>
<th>TIME</th>
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| 10:15-12:15| **Main Hall**  
**A1 Nordic standardization of the preanalytical phase**  
**Chair:** Mads Nybo  
**10:15 Presentation of the Nordic working group for preanalytical issues**  
- Mads Nybo (Odense University Hospital, Denmark)  
**10:20 European sampling guideline**  
- Janne Cadamuro (University Hospital Salzburg, Paracelsus Medical University, Salzburg, Austria)  
**10:55 Preanalytical EQA**  
- Jonna Pelanti (Labquality Corp. Finland)  
**11:10 Evaluation of the online e-learning program on venous blood specimen collection**  
- Kari Balenius (Umeå University, Sweden)  
**11:30 Harmonization of fasting definitions – status within Europe and the Nordic countries**  
- Kjell Gokavisk (Umeå University, Sweden)  
**11:45 Sample auditing**  
- Mads Nybo (Odense University Hospital, Denmark)  
**12:00 The Norwegian Stability project**  
- Gunn B B Kristensen (Norwegian Quality Improvement of Laboratory Examinations, Norway) |
| 12:15-14:00| **Helsinki Hall**  
**A2 Modern hematology laboratory**  
**Chair:** Satu Mustajoki  
**10:15 Digital microscopy and diagnostics supported by artificial intelligence**  
- Johan Lundin (Institute of Molecular Medicine, FIMM, Finland)  
**10:45 Transforming diagnostics of hematological malignancies using next-generation sequencing**  
- Richard Rosenquist Brandell (Karolinska Institutet, Sweden)  
**11:15 Application of Mass Cytometry (CyTOF) in hematology**  
- Bjorn T Gjertsen (University of Bergen, Norway)  
**10:45 Platelet function testing**  
- Timea Szanto (HUSLAB, Finland)  
**16:15 Proper use of coagulation laboratory tests**  
- Andreas Hillarp (Lund University, Sweden)  
**15:45 APTT - Sixty-five years of age but far from retired**  
- Reijo Laaksonen (University of Tampere, Finland)  
**15:15 Update on the EAS-EFLM consensus recommendations for the postanalytical phase**  
- Michel Langlois (Ghent University, Belgium) |
| 14:00-14:45| **Terrace Hall**  
**A3 Bioinformatics in the laboratory**  
**Chair:** Jussi Paananen  
**10:15 Introduction to Clinical Bioinformatics**  
- Jussi Paananen, (University of Eastern Finland, Finland)  
**10:45 Informatics strategy for rare disease diagnostics using whole genome sequencing**  
- Walter Wirta (Karolinska Institutet, Sweden)  
**11:30 Challenges and solutions for clinical bioinformatics,**  
- Maximiliano Gentle (Blueprint Genetics Ltd, Helsinki, Finland) |
| 17:30-18:30| **Posters & Oral presentations and wine - first glass is free**  
**Chair:** Paul Collinson (St George’s University Hospitals, UK) |
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<tr>
<th>TIME</th>
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<tr>
<td>8:30-9:00</td>
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| 9:00-9:45 | Genetics, bioinformatics and risk assessment  – Samuli Ripatti (University of Helsinki, Finland)  
Chair: Outi Ikäinen |
| 9:45-10:15 | Coffee & exhibition |
| 10:15-12:15 | Main Hall  
**B1 Laboratory and the silent liver disease**  
*Chair: Omri Niemela*  
- 10:15 Clinical implications of fatty change in the liver  
  - Hannane Yki-Jarvinen (University of Helsinki, Finland)  
- 10:45 Use of laboratory tests in monitoring liver status  
  - Omri Niemela (University of Tampere, Finland)  
- 11:15 Specificity of alcohol biomarkers in ruling out ALD  
  - Anders Helander (Karolinska Institutet, Sweden)  
- 11:45 Treatment of obesity and metabolic syndrome: role of behaviour change  
  - Mari Kuosmanen (University of Oulu, Finland)  
|  
| **B2 Basics of genetic and epigenetic testing**  
*Chair: Kristinna Attomöky*  
- 10:15 Next generation sequencing, from genes to genomes  
  - Arto Orpana (HUSLAB, Finland)  
- 10:45 Epigenetics and testing for epigenetic changes  
  - Päivi Peitomäki (University of Helsinki, Finland)  
- 11:15 MicroRNA as potential biomarkers for cardiometabolic diseases  
  - Emma Raitoharju (University of Tampere, Finland)  
- 11:45 What is new in cancer genetic testing?  
  - Juha Karonen (University Hospital of Tampere, Finland)  
|  
| **B3 Newborn screening**  
*Chair: Anna Linko-Parvinen*  
**10:15 Neonatal biochemical screening in Denmark**  
- Allan Lund (Copenhagen University Hospital, Denmark)  
**10:45 Newborn screening in Norway – experiences after five years of expanded newborn screening and recent advances**  
- Ingrid Sæves (University of Oslo, Norway)  
**11:15 Neonatal screening in Sweden 2018**  
- Kaj Zetterstam (Karolinska University Hospital, Stockholm, Sweden)  
**11:45 Expanded neonatal screening in Finland – first experiences**  
- Harri Niinikkoski (University of Turku, Finland)  
|  
| 12:15-14:00 | Lunch & Exhibition  
**Company session, 12.45-13.15**  
**Influence of healthcare digitalization - a service provider perspective**  
- Evert-Jan Sneekes (Roche Diagnostics, Netherlands)  
  - Roche Diagnostics Oy  
**Company session, 12.45-13.15**  
**Future trends in neonatal screening**  
- Marika Kose (Global Business Director, PerkinElmer)  
  - PerkinElmer Finland Oy  
**BREAK**  
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| **14:00-14:45** | Moving towards data driven business models – Petri Parvinen (Aalto University, Finland)  
*Chair: Anna Linko-Parvinen*  
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- Arto Orpana (HUSLAB, Finland)  
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**11:45 What is new in cancer genetic testing?**  
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| **B4 IT safety and the laboratory**  
*Chair: Solvejg Linke*  
- 15.15 Cybersecurity is everybody’s issue  
  - Jarna Linnell (Aalto University, Finland)  
- 15.45 Case study of providing IT services to health care  
  - Jan Mickos (CGL, Finland)  
- 16.15 Patient-safe IT and the modern laboratory  
  - Samuli Niiranen (Tampere University of Technology, Finland)  
- 16.45 Impact of IT continuity in the laboratory  
  - Ari Törmä (Tykslab, Turku University Central Hospital, Finland)  
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| **B5 Do we matter? Impact of laboratory medicine**  
*Chair: Howard Morris*  
- 15:15 Identifying the real value of laboratory medicine with the value proposition  
  - Howard Morris (SA Pathology, Australia)  
- 15:55 Demonstrating the value of laboratory tests: a clinical and economic perspective  
  - Alexander Lang (Roche Diagnostics, Switzerland)  
- 16:30 Making a difference by timely reporting of critical risk results  
  - Helen Martin (SA Health, Australia)  
- 16:50 Patient care and the value of laboratory medicine in non-urban areas of Iceland  
  - Ísleifur Ólafsson (University of Iceland)  
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| **B6 The Lorentz Eldjarn Prize Competition for Best Publication 2018**  
*Chair: Jens Petter Berg*  
The Lorentz Eldjarn Prize Competition for Best Publication is intended to support and promote the international distribution of the journal “The Scandinavian Journal of Clinical and Laboratory Investigation”. The Prize is awarded each second year to the first author of the best article published in SJCLI during the five years proceeding the prize year. |
| 19:30-24:00 | Congress Dinner – Crowne Plaza Helsinki |

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*Chair: Kari Pulkki* |
| 9:45-10:15 | Coffee & Exhibition |
| 10:15-12:15 | Main Hall  
**C1 Diabetes and the laboratory**  
*Chair: Mikael Knop*  
- 10:15 New classification of diabetes – is there a need?  
  - Timamaa Tuomari (University of Helsinki, Finland)  
- 10:45 New tools and devices for monitoring metabolic control in patients with diabetes – a threat to the routine clinical laboratory?  
  - Olga Kardin (Erstwhile University of Technology, Hannover, Germany)  
- 11:15 Role of diabetes-associated autoantibodies in preclinical and clinical diabetes?  
  - Mikael Knop (University of Helsinki, Finland)  
- 11:45 Early signs of type 1 diabetes  
  - Ritta Lahensalo (University of Turku, Finland)  
|  
| **C2 International collaboration, exciting opportunities for the laboratory doctor**  
*Chair: Yngve Thomas Bliskrud*  
- 10.15 NFKI  
  - Yngve Thomas Bliskrud (NFKI President, Norway)  
- 10.30 EFLM  
  - Sverre Sandberg (EFLM Past President, Norway)  
- 11:00 IFCC  
  - Howard Morris (IFCC President, Australia)  
- 11:30 Discussion  
**C3 Clinical chemistry workshop on Publication Ethics & Scientific writing**  
*Chair: Outi Ikäinen*  
Workshop will be organised by Nader Rifai and Thomas M. Annesley  
- 10:15 Ethical conduct and misconduct in the publication process  
  - 11.00 Guide to scientific writing: how to organize your manuscript, present your data and respond to reviewers’ comments  
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| **Closing Ceremony and Welcome to the XXXVII Nordic Congress in Clinical Chemistry, NFKK2020 in Trondheim, Norway** |

**Chair:** Outi Ikäinen