



Tuesday 17 September 2024			
	Aula Medica		
12:30-12:45	Opening ceremony and Welcome		
12:45-13:00	Plenary session on Cardiovascular disease: Lipid profile and cardiovascular disease Chair: U Tietge (Sweden) Prof. B G. Nordestgaard (Denmark)		
13:30-13:45	Short Break		
13:45-15:15	The Lorentz Eldjarn Prize Competition for Best Publication Prof. JP Berg, Managing Editor of SJCLI (Norway) 13:45-13:50 Introduction to the Lorentz Eldjarn Prize <i>Prof. JP Berg (Norway)</i> 13:50-14:17 Calprotectin is superior to procalcitonin as a sepsis marker and predictor of 30-day mortality in intensive care patients <i>Prof. A Larsson (Sweden)</i> 14:17-14:44 Groundwork on Neurofilament Light Chain to facilitate clinical use and academic research <i>Assoc prof. C Bødker Hviid (Denmark)</i> 14:44-15:11 Shrunken pore syndrome and mortality: a cohort study of patients with measured GFR and known comorbidities <i>Prof. A Christensson (Sweden)</i> 15:11-15:15 Concluding remarks <i>Prof. JP Berg</i>		
15:15-15:45	Coffee & Exhibition		
	Aula Medica	Ulf von Euler Hall	
15:45-17:15	Session by NFKK: Recommendations from The Nordic preanalytical scientific working group Chair: M Nybo (Denmark) 15:45-15:50 Introduction of the Nordic Working group <i>Assoc prof M Nybo (Denmark)</i> 15:50-16:15 Progress in Europe on the preanalytical area <i>Prof. Dr. J Cadamuro (Austria)</i> 16:15-16:30 How do we use pneumatic tube systems in the Nordic countries? <i>Clin Biochemist PhD J Pelanti (Finland)</i> 16:30-16:45 Survey on Nordic blood sampling recommendation/status for blood sampling QC <i>Lecture PhD B Willman (Sweden)</i> 16:45-17:00 Recommendation on how to handle hemolysis indices <i>PhD G B B Kristensen (Norway)</i> 17:00-17:15 Nordic fasting recommendation – how to proceed? <i>Assoc prof. M Nybo (Denmark)</i>	Development & Improvement track Clinical chemistry through the ages: milestones, discoveries and innovations Chair: H Dahl (Sweden) 15:45-16:30 Multae medicae gradus...Milestones in measuring biomarkers <i>Assoc Prof. A Kallner (Sweden)</i> 16:30-17:15 Milestones and co-operation in laboratory medicine during the last 100 years <i>Prof. K Pulkki (Finland)</i>	Kidney function measurement – what is needed in clinical practice? Chair: U Tietge (Sweden) 15:45-16:20 How to estimate GFR in 2024? PhD MD P Delanaye (Belgium) 16:20-16:55 Kidney function: glomerular filtration rate and beyond Prof. M de Borst (The Netherlands) 16:55-17:15 Oral abstract -Time to event prediction of new-onset diabetes after transplantation in kidney transplant recipients using machine learning <i>MD T Szili-Torok</i>
17:15 - 19:30	Poster reception and mingle in Aula Medica		
17:45-18:00	Price ceremony for The Lorentz Eldjarn Prize Competition for Best Publication		
17:15	End of program		





Wednesday 18 September			
	Aula Medica	Sune Bergström Hall	Ulf von Euler Hall
07:30-08:15	Educational session Hot debate - Pros and cons of large-scale screening <i>PhD MD N Bark (Sweden)</i>	Educational session Dyslipidemia – selected case discussion <i>Prof G Eggertsen (Sweden)</i> <i>MD D Eklund (Sweden)</i>	Educational session Hematology – selected case discussion <i>PhD MD S Beshara (Sweden)</i>
08:15-08:30	Short Break		
08:30-10:00	Nordic screening and testing programs <i>Chairs: L Franzson (Iceland) & P Bjellerup (Sweden)</i> 08:30-08:35 Introduction <i>MScPharm L Franzson</i> 08:35-09:15 Screening for monoclonal gammopathy of undetermined significance: a nationwide randomized clinical trial <i>Prof. S Y Kristinsson (Iceland)</i> 09:15-09:55 Outcome of organised PSA testing in Sweden - is there enough benefit? <i>Prof. O Bratt (Sweden)</i> 09:55-10:00 Discussion and questions <i>MSc L Franzson & MD PhD P Bjellerup</i>	Predicting the unpredictable? Novel developments to personalize healthcare <i>Chair: P Parini (Sweden)</i> 08:30-09:10 How personal is personalised healthcare? Embracing the unknowns in a world of data <i>Prof. S Meijer (Sweden)</i> 09:10-09:25 Oral abstract - Reference intervals for serum Vitamin B12 and Active B12 in an adult population using an indirect approach <i>S Chakraborty (Norway)</i> 09:25-10:00 Digital twins of individuals for predictive, preventive and personalised medicine <i>Prof. M Benson (Sweden)</i>	Erythrocyte disorders <i>Chair: S Beshara (Sweden)</i> 08:30-09:00 New insight in red cell membrane disorders: diagnosis and treatment <i>Prof. A Iolascon (Italy)</i> 09:00-09:25 Hemoglobinopathies – a Norwegian perspective <i>PhD MD O Klingenberg (Norway)</i> 09:25-09:45 Enzyme disorders in Sweden <i>PhD MD S Beshara (Sweden)</i> Erythrocyte membrane defects in Sweden 09:45-10:00 <i>MSc A Lundholm (Sweden)</i>
10:00-10:30	Coffee & Exhibition		
10:30-11:00	Tumor markers in plasma or serum – where do we stand today? <i>Chair: M Hansson (Sweden)</i> <i>PhD MD R Nome (Norway)</i>	Alcohol and drug testing - new substances and new analytical problems <i>Chair: G Eggersten (Sweden)</i> <i>Assoc Prof. A Helander (Sweden)</i>	Transfer of PFAS from the mother and associated metabolic and neurodevelopmental changes in the child <i>Chair: I Hokstad (Norway)</i> <i>PhD MD A-L Bjørke-Monsen (Norway)</i>
11:00-11:15	Short Break		
Aula Medica			
11:15-12:00	The Margareta Blombäck plenary session on Coagulation: Thrombotic Microangiopathies (TMA) - many diseases not so many tests- Special Focus om Preeclampsia <i>Chair: J Antovic (Sweden)</i> Prof. V Garovic (USA) 12:00-13:45 Lunch & Exhibition		
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Aula Medica			
12:30-13:00	Company session organised by Snibe New insights in autoantibody testing in diabetes <i>Prof. Mario Plebani, EFLM President</i>	Company session organised by Siemens Healthineers Chronic Liver Disease, the Diagnostic Challenge	
12:00-13:45 Lunch & Exhibition			
Aula Medica			
13:45-15:15	Session by Institutet för biomedicinsk laboratorievetenskap <i>Chairs: S Kronberg (Sweden) and M Quttineh (Sweden)</i> 13:45-14:05 From vision to reality: Biomedical laboratory scientists taking the step into leadership with confidence. <i>Biomed lab scientist M Quttineh (Sweden)</i> 14:05-14:25 Future developments in biomedicine and health with the potential to impact our profession (and the society) <i>Biomed lab scientist Å Gyberg-Karlsson (Sweden)</i> 14:25-14:45 Actionplan for the Future- the situation for biomedical laboratory scientists in Denmark, Finland, Norway, and Sweden <i>Biomed lab scientist M Quttineh (Sweden)</i> 14:45-15:15 Panel discussion	Development & Improvement track Laboratory Medicine in times of crisis <i>Chair: M Lambert (Sweden)</i> 13:45-14:30 Médecins Sans Frontières J Ruthman Gunnarsson 14:30-15:15 Global Disaster Medicine-Health needs and response <i>A Eriksson</i>	Thrombotic microangiopathies - many diseases not so many tests <i>Chair: J Antovic (Sweden)</i> 13:45-14:15 New approaches in the laboratory diagnosis of HUS/TTP <i>Prof. J Antovic (Sweden)</i> 14:15-14:40 Laboratory role in the diagnosis and follow up the treatment in HIT <i>PhD MD M Farm (Sweden)</i> 14:40-15:00 Implementing the ISTH guidelines for the diagnosis of lupus anticoagulant - our experience and lessons learned <i>MD A Kimiaei (Sweden)</i> 15:00-15:15 Discussion
15:15-15:45	Coffee & Exhibition		
15:45-17:15	New targets, new opportunities? Cardiovascular biomarkers today and tomorrow <i>Chair: U Tietge (Sweden)</i> 15:45-16:15 Cardiac biomarkers, proteomics and genetics: a view towards the future <i>MD PhD D.O. Arnar (Iceland)</i> 16:15-16:45 Cardiovascular disease biomarkers today and tomorrow <i>Prof. U Tietge (Sweden)</i> 16:45-17:00 Oral abstract - Development and diagnostic utility of immunoturbidimetric NT-proBNP assay based on antibodies targeting glycosylation-free regions of NT-proBNP <i>A Havelka (Norway)</i> 17:00-17:15 Oral abstract - Impact of LDL-Cholesterol Formula Choice on Clinical Practice: Sampson and Martin-Hopkins versus Friedewald. <i>MD D Eklund (Sweden)</i>	Liver diseases - an expanding medical field <i>Chair: M Hansson (Sweden)</i> 15:45-16:25 EQuitABILITY study: towards harmonization of neonatal bilirubin <i>Dr. M van Berkel (Netherlands)</i> 16:25-17:00 Diagnosis and prognosis of steatotic liver disease <i>Adjunct Prof. H Hagström (Sweden)</i> 17:00-17:15 Oral abstract- Ferritin outperforms other biomarkers in predicting bone marrow iron stores in haematological patients <i>MD T Lahtiharju (Finland)</i>	Development & Improvement track Healthy Workplaces, Healthy Workers: Tips and Tricks for Lab Pros <i>Chair: A Dahlin (Sweden)</i> 15:45-16:30 Wellness center – Employee health <i>RN. CCN. MSc. M Flodberg (Sweden)</i> 16:30-17:15 Focus on the resilience for the staff of the hospital <i>Å Malmenklev (Sweden)</i>
17:15	End of day		



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XXXIX NORDIC CONGRESS IN CLINICAL CHEMISTRY
17-20 SEPTEMBER 2024 STOCKHOLM
Aula Medica and Karolinska University Hospital
Stockholm, Sweden

Thursday 19 September			
	Aula Medica	Sune Bergström Hall	Ulf von Euler Hall
07:30-08:15	Educational session Inborn errors of metabolism – newborn screening <i>MScPharm L Franzson (Iceland)</i>	Educational session New aspects on Vitamin B12 and folate deficiency and the toxic effect of laughing gas <i>Assoc Prof. H Nilsson-Ehle (Sweden)</i>	
08:15-08:30	Short Break		
08:30-10:00	AI - the future colleague in clinical chemistry <i>Chair: P Parini (Sweden)</i> 08:30-09:10 Integrating Network Medicine and AI: Insights from the Foodome Project <i>Dr. G Menichetti (USA)</i> 09:10-09:25 Oral abstract- Neural network models can replace manual work in serum protein electrophoresis interpretation <i>MD T Lahtiharju (Finland)</i> 09:25-10:00 Transforming Healthcare: AI in Diagnostics and Patient Treatment <i>Assoc Prof. N Fyhrquist (Sweden)</i>	Session by the Swedish Association of Clinical Biochemists- Clinical importance of measurements of low levels of sex hormones <i>Chair: A Engberg (Sweden)</i> 08:30-09:10 High-sensitive mass spectrometric assays for androgens and estrogens in the clinical lab <i>Assoc Prof. H Ryberg (Sweden)</i> 09:10-10:00 Androgen insufficiency in women - fact or fiction? <i>Prof. A Lindén Hirschberg (Sweden)</i>	Development & Improvement track Improved diagnostics and new tests <i>Chair: A Linko-Parvinen (Finland)</i> 08:30-09:15 Hypothyroidism is increasing – is it true or overdiagnosis <i>Assoc Prof. T Männistö (Finland)</i> 09:15-10:00 Recent developments in troponin assays <i>Assoc Prof. S Wittfooth (Finland)</i>
10:00-10:30	Coffee & Exhibition		
10:30-11:00	Proteomics for diagnosing disease <i>Chair: L Tjernberg (Sweden)</i> <i>Prof. J Lehtiö (Sweden)</i>	CAR-T and CAR-NK Cell Therapy <i>Chair: C Gran (Sweden)</i> <i>Assoc Prof. E Alici (Sweden)</i>	What clinical chemists should know about the interpretation of blood tests in transgender individuals <i>Chair: U Tietge (Sweden)</i> <i>Prof. M den Heijer (Netherlands)</i>
11:00-11:15	Short Break		
11:15-12:00	Aula Medica		
11:15-12:00	Plenary session on Neurodegenerative disease: Fluid biomarkers for Alzheimer’s – finding the place of blood and CSF tests at the memory clinic and in the clinical chemistry lab <i>Chair: L Tjernberg (Sweden)</i> Prof. K Blennow (Sweden)		
12:00-13:45	Lunch & Exhibition		
12:30-13:00	Company session organised by Roche Step into the future with cobas Mass Spec analyzer, i601		
12:00-13:45	Lunch & Exhibition		
13:45-15:15	Blood biomarkers - A new era for diagnosing Alzheimer disease? <i>Chair: L Tjernberg (Sweden)</i> 13:45-14:05 Oral abstract - Diagnostic performance of plasma p-tau 217 for detection of amyloid pathology <i>MD B Arslan (Sweden)</i> 14:05-14:30 Glycans as novel biomarkers for Alzheimer disease <i>Assoc Prof. S Schedin Weiss (Sweden)</i> 14:30-14:55 Glycomics at Clinical chemistry <i>PhD S Gaunitz (Sweden)</i> 14:55-15:15 Can we justify screening for Alzheimer disease? <i>Prof. L Jönsson (Sweden)</i>	Laboratory and cancer associated thrombosis (CAT) - where we are <i>Chair: J Antovic (Sweden)</i> 13:45-14:20 CAT overview <i>Prof. A Falanga (Italy)</i> 14:20-14:45 Proteomics in CAT <i>Prof. J Odeberg (Sweden)</i> 14:45-15:05 Extracellular Vesicles, Tissue Factor, and NETosis <i>PhD MD C Gran (Sweden)</i> 15:05-15:15 Discussion	Development & Improvement track Oral Abstracts <i>Chairs: L Spendrup & M Johansson (Sweden)</i> 13:45-13:55 Identification of heavy laboratory phlebotomy service users <i>Biomed lab scientist J Ritvanen</i> 13:55-14:05 New EQA Scheme for Improving Pipetting Quality <i>PhD K Virtanen</i> 14:05-14:15 External quality assessment reveals lack of harmonization in the pneumatic tube systems and hemolysis index cutoffs <i>L Silva</i> 14:15-14:20 Discussion External quality assessment in laboratory medicine: what, how and why <i>Chairs: L Spendrup & M Johansson (Sweden)</i> 14:30-15:15 How new standards are developed – the professions can be in charge <i>Assoc Prof. L Björndahl (Sweden)</i>
15:15-15:45	Coffee & Exhibition		
15:45-17:15	Precision medicine: dream or reality? <i>Chair: P Parini (Sweden)</i> 15:45-16:25 Network Medicine Approaches to Investigate Obstructive Lung Diseases: Multi-omics integrations – well worth the money spent? <i>Assoc Prof. Å Wheelock (Sweden)</i> 16:25-16:40 Oral abstract - A practical approach to determine assay specific cut-offs for thyroid peroxidase antibodies <i>PhD A O. Olsson (Sweden)</i> 16:40-17:15 Network Medicine Approaches to Cardiovascular Disease - In-Depth Definition of Lipid Lowering Treatments in Humans ... and more <i>Prof. P Parini (Sweden)</i>	Session by BALM <i>Chair: U Tietge (Sweden)</i> 15:45-16:15 Roadtrip towards harmonized reporting of laboratory results in Lithuania. <i>PhD MD V Banys (Lithuania) & M Bieliauskas (Lithuania)</i> 16:15-16:45 Digital transmission of laboratory data in Estonia. <i>PhD A Tamm (Estonia)</i> 16:45-17:15 The current progress in Latvia e-health system in laboratory medicine <i>Dr. E Kazušs (Latvia)</i>	Development & Improvement track External quality assessment in laboratory medicine: what, how and why <i>Session in Swedish</i> <i>Chairs: L Spendrup & M Johansson (Sweden)</i> 15:45-16:05 The significance of accreditation for the laboratory <i>BSc Å Claesson (Sweden)</i> 16:05-16:45 Differences between ISO 15189:2012 and ISO 15189:2022 <i>MSc M Dajaku (Sweden)</i> 16:45-17:15 Panel discussion <i>Assoc Prof L Björndahl, BSc Å Claesson & MSc M Dajaku</i>
17:15	End of program		





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Friday 20 September			
	Aula Medica	Sune Bergström Hall	Ulf von Euler Hall
07:30-08:15	Education session Unlocking the secrets of life through the power of data and bioinformatics <i>Assoc Prof P Chen (Sweden)</i>	Educational session Analytical interference in Clinical chemistry <i>MD M Karlman (Sweden)</i> <i>MD PhD P Bjellerup (Sweden)</i>	Educational session Coagulation assays - an overview <i>PhD MD M Farm (Sweden)</i>
08:15-08:30	Short Break		
08:30-10:00	Development & Improvement track The future of laboratories: trends, challenges and opportunities <i>Chair: G Dahlfors (Sweden)</i> 08:30-09:25 Robots in the Laboratory: From Stationary Machines to Mobile Workers <i>PhD B Schadenberg (Holland)</i> 09:25-10:00 Implementing and working with collaborative robots in the Laboratory, benefits, and challenges <i>Biomed lab scientist L Nyman (Sweden)</i>	Session by Svensk Förening för Klinisk Kemi - Using labs wisely – laboratory medicine in an era of choosing wisely. <i>Chair: J Skogö (Sweden)</i> 08:30-08:35 welcome to the session <i>MD J Skogö</i> 08:35-09:15 Choosing Wisely - #More is not always better <i>Prof. K Stordal (Norway)</i> 09:15-09:55 Testing wisely to the right tree in the wood - how the Emergency department use laboratory testing in clinical decisionmaking <i>MD K Bengtsson Linde (Sweden)</i> 09:55-10:00 Discussion	Development & Improvement track Career and competence in laboratory medicine: challenges, trends and best practices <i>Session in Swedish</i> <i>Chair: M Shafaati Lambert (Sweden)</i> 08:30-08:50 Integrerad forskning och kliniskt arbete <i>BSc N Hourani Soutari (Sweden)</i> 08:50-09:10 Norrtäljeprojektet <i>MSc H Stenling (Sweden)</i> 09:10-09:30 Runda Bordet Biomed lab scientist <i>A Collberg (Sweden)</i> 09:30-09:50 Proteinelektroforesbedömning av biomedicinska analytiker <i>BSc M Kjellén & BSc J Borrman (Sweden)</i> 09:50-10:00 Discussion
10:00-10:30	Coffee & Exhibition Aula Medica		
10:30-12:00	The NFKK Young Researcher Award <i>Prof. A Larsson (Sweden)</i> 10:30-10:35 Introduction of the newly founded NFKK young research award and presenters <i>Prof. A Larsson (Sweden)</i> 10:35-11:00 Accuracy of Diagnosing Heparin-Induced Thrombocytopenia <i>PhD MD E L List (Denmark)</i> 11:00-11:25 Highly sensitive immunoassay for long forms of cardiac troponin T using upconversion luminescence <i>MSc S Salonen (Finland)</i> 11:25-11:50 The landscape of somatic mutations in human atherosclerotic plaques reveals the presence of large clonal cell populations <i>Assoc Prof L Steffensen (Denmark)</i> 11:50-12:00 Discussion		
12:00-12:30	Lunch Break		
12:30-13:30	Plenary session by the Nordic Federation of Clinical Chemistry - Clinical metabolomics, a new era for laboratory medicine <i>Chairs: YT Bliksrud (Norway) and P Bjellerup (Sweden)</i> 12:30-12:50 Global metabolomics, why and how <i>PhD Msc K Elgstøen (Norway)</i> 12:50-13:10 Imaging Mass Spektrometry <i>Prof. RMA Heeren (Netherlands)</i> 13:10-13:30 Interpretation challenges, the need for the medical doctor in the laboratory <i>PhD MD YT Bliksrud (Norway)</i>		
13:30-14:00	Closing ceremony with presentation of NFKK young researcher award and welcome to NCCC2026 Århus, Denmark		
14:00	End of the Conference		





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