

IFCC SPEAKERS BUREAU

You may choose from the following list of topics (or suggest a different topic) for the IFCC VLP or any other educational programme that is being planned. The names of recommended speakers are given next to each topic. However, you may nominate your own speaker.

❖ Accreditation

- ISO 15189 - Documentation, policies, plans, processes, procedures and records
- ISO 15189 -Documentation,policies,plans,processes,procedures and records
- ISO 15189 - Pre examination, examination and post examination processes
- ISO 15189 - Pre examination, examination and post examination processes
- ISO 15189 - Planning process and implementation
- ISO 15189 accreditation of medical testing laboratories
- ISO 22870 - POCT and responsibility of the laboratory
- ISO15189 Accreditation: costs and benefits
- Quality systems and clinical laboratory accreditation
- The assessment process

Suggested Speakers

Dr. Herbert Stekel (Austria)
Dr. Elizabeth Frank (India)
Dr. Herbert Stekel (Austria)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Prof. Paivi Laitinen (Finland)
Dr. Herbert Stekel (Austria)
Prof. Ken Sikaris (Australia)
Ms. Janet Smith (UK)
Dr. Herbert Stekel (Austria)

Language

German; English
English
German; English
English
English
Finnish; English
German; English
English
English
German; English

❖ Blood Gas

- Evolution of Blood Gas Analysis – Acid-Base Balance and Practical Applications of the Acid-Base Chart
- Evolution of Blood Gas Analysis – Focusing on the Source of Impaired O₂ Supply to the Tissue
- Value of Point of Care Blood Gas Testing

Suggested Speakers

Dr Ellis Jacobs (USA)

Dr Ellis Jacobs (USA)
Dr Ellis Jacobs (USA)

Language

English

English
English

❖ Bone, Calcium and Vitamin D Metabolism

- Biochemical markers of calcium and bone metabolism
- Vitamin D metabolism and impact on health
- Vitamin D metabolism, requirement and biological activity

Suggested Speakers

Prof. Howard Morris (Australia)
Prof. Edgard Delvin (Canada)
Prof. Howard Morris (Australia)

Language

English
French; English
English

❖ Cancer

- Basic informatics for molecular cancer profiling
- Cancer biomarkers
- Clinical applications of cancer molecular biomarkers

Suggested Speakers

Prof. Paolo Fortina (USA)
Prof. Eleftherios Diamandis (Canada)
Prof. Paolo Fortina (USA)

Language

Italian; English
English
Italian; English

cont Cancer

- Interpreting tumour marker results
- Implementing cancer molecular profiling
- Likelihood ratios - a more informative way of reporting laboratory results: studies with tumour markers
- PSA and other members of the kallikrein family
- Tumour marker reference intervals
- Understanding PSA refinements: age related reference intervals
F/T PSA ratio and PSA doubling time

❖ Cardiovascular Biochemistry

- Antioxidant properties of HDL are associated with Paraoxonase
- Assay-related issues in the measurement of cardiac troponins and natriuretic peptides
- Cardiac Biomarkers: an evidence based approach to utilization
- Cardiac markers
- Cardiac markers in chronic kidney disease
- Cardiovascular biomarkers
- Cardiovascular disease: Pathophysiology and Laboratory Assessment
- Coronary heart disease biomarkers
- CRP and inflammatory markers
- Evidence based cardiac biomarker testing
- Ischemia-modified albumin
- Linking hypertensive disorders of pregnancy to cardiovascular diseases in later life: what are the evidence and the clinical implications?
- Modification of HDL - Implication in cardio vascular disease
- Natriuretic peptide measurement: current use, future promise
- Novel biomarkers of cardiac risk and management
- Rapid rule in and out using cardiac biomarkers
- Substrate specificities of human serum Paraoxonase and its implication in cardiovascular diseases
- The basics of cardiac biomarker interpretation
- The metabolic syndrome: linking hypertensive disorder of pregnancy to cardiovascular disease in later life
- Tyrosine oxidation products are detoxified by HDL-associated Paraoxonase: implication in Cardiovascular diseases
- Understanding the relationship between cholesterol and insulin resistance.

❖ Cerebrospinal Fluid

- CSF bilirubin, xanthochromia and detection of subarachnoid haemorrhage

Suggested Speakers

Prof. Ken Sikaris (Australia)
Prof. Paolo Fortina (USA)

Language

English
Italian; English

Prof. Christopher Florkowski (NZ)
Prof. Eleftherios Diamandis (Canada)
Prof. Ken Sikaris (Australia)

English
English
English

Prof. Ken Sikaris (Australia)

English

Suggested Speakers

Dr. Elizabeth Frank (India)

Language

English

Prof. Mauro Panteghini (Italy)
Prof. Robert Christenson (USA)
Prof. Fred Apple (USA)
Dr. Paul Collinson (UK)
Prof. Fred Apple (USA)
Dr. Khosrow Adeli (Canada)
Dr. Nader Rifai (USA)
Dr. Nader Rifai (USA)
Dr. Paul Collinson (UK)
Dr. Paul Collinson (UK)

Italian; English
English
English
English
English
English
English
English
English
English

Prof. Jean-Claude Forest (Canada)
Dr. Elizabeth Frank (India)
Prof. Robert Christenson (USA)
Prof. Robert Christenson (USA)
Dr. Paul Collinson (UK)

French; English
English
English
English
English

Dr. Elizabeth Frank (India)
Prof. Mauro Panteghini (Italy)

English
Italian; English

Prof. Jean-Claude Forest (Canada)

French; English

Dr. Elizabeth Frank (India)
Prof. Ken Sikaris (Australia)

English
English

Suggested Speakers

Prof. Christopher Florkowski (NZ)

Language

English

❖ Chronic Kidney Disease

- Estimating glomerular filtration rate from serum creatinine measurements: analytical issues and standardisation programs
- Protein carbamylation and carbamylation derived products as biomarkers

❖ Clinical Usefulness of Analytes

- Clinical interpretation of laboratory tests
- Coenzyme Q10 - evidence base for a clinically useful analyte
- C.difficile and Antimicrobial Stewardship
- Is this assay clinically useful - the paradigm of natriuretic peptides
- Iron Metabolism
- Value and Impact of Laboratory Medicine in Healthcare and Health Outcomes
- Why Knowing Now Matters in the ED

❖ Cytokines

- Cybernetics of cytokines and chemokines: pathophysiology and clinical applications
- Leptin and adiponectin in insulin resistance
- Physiology and Laboratory Assessment of Cytokines and Chemokines

❖ Diabetes, Insulin Resistance and Metabolic Syndrome

- Approved IFCC recommendation on reporting results for blood glucose
- Diabetes mellitus (markers, HbA1c, advanced glycation end products)
- Diabetes and the role of the Laboratory
- Diabetes is an Intestinal Disease: Reversal of Diabetes by Bariatric Surgery
- Diabetic glucose monitoring in 2010: a testing odyssey implementation
- eAG and the correlation of HbA1c and glucose
- HbA1c for screening and diagnosis of diabetes
- Inactivation of Paraoxonase by oxidants - Implications in diabetes and atherosclerosis
- Laboratory assessment of insulin resistance
- Leptin and adiponectin in insulin resistance
- Microalbuminuria
- Paediatric obesity, prediabetes and metabolic syndrome
- POC testing for monitoring and diagnosing diabetes mellitus

- Post-translational modification of proteins (glycation - glycooxidation - carbamylation)
- Self-monitoring of blood glucose

- The metabolic syndrome in youth and polymorphic genes
- The metabolic syndrome: linking hypertensive disorder of pregnancy to cardiovascular disease in later life

Suggested Speakers

Prof. Mauro Panteghini (Italy)
Prof. Philippe Gillery (FR)

Language

Italian; English
French; English

Suggested Speakers

Ms. Janet Smith (UK)
Prof. Christopher Florkowski (NZ)
Dr. Ellis Jacobs (USA)
Prof. Christopher Florkowski (NZ)
Dr. Herbert Stekel (Austria)
Dr. Khosrow Adeli (Canada)
Dr. Ellis Jacobs (USA)

Language

English
English
English
English
German; English
English
English

Suggested Speakers

Prof. Christopher Lam (Hong Kong)
Prof. Edgard Delvin (Canada)
Dr. Khosrow Adeli (Canada)

Language

English
French; English
English

Suggested Speakers

Dr. Ellis Jacobs (USA)
Prof. Philippe Gillery (France)
Dr. Herbert Stekel (Austria)
Dr. Khosrow Adeli (Canada)
Dr. Ellis Jacobs (USA)
Prof. Ken Sikaris (Australia)
Prof. Ken Sikaris (Australia)
Dr. Elizabeth Frank (India)
Dr. Khosrow Adeli (Canada)
Prof. Edgard Delvin (Canada)
Prof. Howard Morris (Australia)
Dr. Khosrow Adeli (Canada)
Prof. Sverre Sandberg (Norway)

Language

English
French; English
German; English
English
English
English
English
English
English
French; English
English
English
Norwegian; Danish;
Swedish; English

Prof. Philippe Gillery (France)
Prof. Sverre Sandberg (Norway)

French; English
Norwegian; Danish;
Swedish; English
French; English

Prof. Edgard Delvin (Canada)

Prof. Jean-Claude Forest (Canada)

French; English

❖ Ethics

- Law and ethics in laboratory medicine

❖ Evidence-Based Laboratory Medicine

- Critical appraisal of guidelines
- Evaluation of new biomarkers
- Evidence-based guidelines in laboratory medicine
- Evidence in action - using evidence in practice
- Evidence-Based Laboratory Medicine: one to four day workshop
- Evidence-Based Laboratory Medicine: practical examples of benefit
- Evidence-Based Laboratory Medicine: principles and promise
- Evidence-based monitoring
- General principles of evidence-based practice guidelines development in laboratory medicine
- Guideline development
- Harmonization of critical risk result management
- How to conduct a systematic review
- How to design alert lists of critical risk results
- How to read a paper
- How to (re)define disease definitions using laboratory tests
- Implementation and practice of guidelines
- Introduction to Evidence-Based Laboratory Medicine
- Introduction to Evidence-Based Laboratory Medicine

- Management of critical risk result communications
- NACB evidence-based practice for POCT
- Outcome-based performance specifications for laboratory tests
- Overdiagnosis and overdetection in laboratory medicine
- Reflective testing
- Study design and quality of evidence for diagnostic tests
- Theory of Evidence Based Laboratory Medicine, an overview
- Which study will answer my question best?

❖ HbA1c

- Biochemistry, Hemoglobin Variants, Analytical Methods, Standardisation, EQA/PT programmes, IFCC model for Quality targets for monitoring-diagnosis-screening
- HbA1c: Analytical performance of the new enzymatic and immunoassay systems
- HbA1c for screening and diagnosis of diabetes
- HbA1c in clinical practice
- Pathophysiology of Diabetes and HbA1c Monitoring
- POC testing for HbA1c

Suggested Speakers

Prof. Jocelyn Hicks (USA)

Language

English

Suggested Speakers

Dr. Wytze Oosterhuis (The Netherland)
Prof. Andrea Rita Horvath (Australia)
Prof. Andrea Rita Horvath (Australia)
Prof. Andrea Rita Horvath (Australia)
Prof. Robert Christenson (USA)
Prof. Robert Christenson (USA)
Prof. Robert Christenson (USA)
Prof. Andrea Rita Horvath (Australia)
Dr. Joseph Watine (France)
Dr. Wytze Oosterhuis (The Netherland)
Prof. Andrea Rita Horvath (Australia)
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Dr. Wytze Oosterhuis (The Netherland)
Prof. Andrea Rita Horvath (Australia)
Prof. Sverre Sandberg (Norway)

Prof. Andrea Rita Horvath (Australia)
Dr. Ellis Jacobs (USA)
Prof. Andrea Rita Horvath (Australia)
Prof. Andrea Rita Horvath (Australia)
Dr. Wytze Oosterhuis (The Netherland)
Prof. Andrea Rita Horvath (Australia)
Dr. Wytze Oosterhuis (The Netherland)
Dr. Wytze Oosterhuis (The Netherland)

Language

Dutch; English
Hungarian; English
Hungarian; English
Hungarian; English
English
English
English
Hungarian; English
French; English
Dutch; English
Hungarian; English
Dutch; English
Hungarian; English
Dutch; English
Hungarian; English
Dutch; English
Hungarian; English
Norwegian; Danish;
Swedish; English
Hungarian; English
English
Hungarian; English
Hungarian; English
Dutch; English
Hungarian; English
Dutch; English
Dutch; English

Suggested Speakers

Dr. Cas Weykamp (The Netherland)
Dr. Khosrow Adeli (Canada)
Prof. Ken Sikaris (Australia)
Prof. Philippe Gillery (France)
Dr. Khosrow Adeli (Canada)
Prof. Sverre Sandberg (Norway)

Language

English
English
English
French; English
English
Norwegian; Danish;
Swedish; English

❖ Hypertension

- Hypertensive disorders of pregnancy: pathophysiology, and early prediction through biomarkers
- Linking hypertensive disorders of pregnancy to cardiovascular diseases in later life: what are the evidence and the clinical implications?
- The metabolic syndrome: linking hypertensive disorder of pregnancy to cardiovascular disease in later life

❖ Immunochemistry

- Immunochemical methods: what has to be considered when using immunochemical methods

❖ In Vitro Fertilisation

- The laboratory support needed for an In Vitro Fertilisation Programme

❖ Laboratory Management

- Basic guidelines for Total Quality Management and accreditation (ISO 15189)
- Clinical Laboratory Information System. Practical approach for developing countries
- Continuous quality improvement: Lean
- Cost is more than meets the eye
- Data mining as a laboratory management tool
- Endorsing Quality NABL accreditation
- Ensuring Quality of results (case studies included)
- External Quality Assessments
- Gap analysis - Pre survey self assessment
- How to establish a quality system line with ISO 15189
- How to manage an accredited laboratory
- How to set analytical performance specifications

- Improving the Efficiency of Clinical Laboratory Services
- Instruments and reagents - Pre analytical workshop
- Internal audits and complaints
- Lab management, client satisfaction
- Laboratory Information Systems - The Basics
- Laboratory Medicine: past, present and future
- Laboratory Quality Control
- Learning Laboratory Processes
- Measurement uncertainty
- Method comparison
- Monitoring and non conforming event management

Suggested Speakers

Prof. Jean-Claude Forest (Canada)

Prof. Jean-Claude Forest (Canada)

Prof. Jean-Claude Forest (Canada)

Language

French; English

French; English

French; English

Suggested Speakers

Prof. Paivi Laitinen (Finland)

Language

Finnish; English

Suggested Speakers

Prof. Jocelyn Hicks (USA)

Language

English

Suggested Speakers

Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Prof. Jocelyn Hicks (USA)
Prof. Ken Sikaris (Australia)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Prof. Sverre Sandberg (Norway)

Language

English
English
English
English
English
English
English
English
English
English
English
English
English
English
English
Norwegian; Danish;
Swedish; English
English
English
English
English
German; English
English
English
Finnish; English
German
German
English

Ms. Janet Smith (UK)

Dr. Elizabeth Frank (India)

Dr. Elizabeth Frank (India)

Dr. Elizabeth Frank (India)

Dr. Herbert Stekel (Austria)

Prof. Jocelyn Hicks (USA)

Dr. Elizabeth Frank (India)

Prof. Paivi Laitinen (Finland)

Dr. Herbert Stekel (Austria)

Dr. Herbert Stekel (Austria)

Dr. Elizabeth Frank (India)

cont Laboratory Management

- Core Processes in the Laboratory
- Provision of Laboratory Services for a Multiethnic Population
- Strategic Planning and Gap Analysis
- Quality indicators
- Quality issues in the laboratory
- Safety needs for the clinical laboratory
- Strategic and financial planning for the clinical laboratory
- Understanding extreme results and the definition critical limits
- Vision and Strategic Planning
- Personal, staff procedures and training
- Planning Laboratory Automation
- Preanalytic Errors
- Usefulness of External quality control / Proficiency testing

❖ Lipids

- Intestinal lipid absorption and metabolism
- Intestinal lipid absorption and metabolism
- Lipid Guidelines for Cardiovascular Risk Stratification and Treatment
- Lipid and Lipoprotein Metabolism and Physiology
- Lipid Lowering Therapies: Statins, Fibrates, and PCSK9 Inhibitors
- Role of drugs and lifestyle in the management of dyslipidaemia

❖ Mass Spectrometry

- Clinical Mass Spectrometry: Applications in Drug Monitoring, Endocrinology and Metabolism
- Mass spectrometry in the endocrinology laboratory
- Mass spectrometry in the therapeutic drug monitoring (TDM) laboratory
- Mass spectrometry in the toxicology laboratory

❖ Molecular Biology

- From macro to nanotechnology: the future of laboratory medicine
- Iron metabolism genes and molecular diagnostics
- Molecular Diagnostics & Point of Care Testing
- Non-invasive prenatal diagnosis by circulating nucleic acid analysis
- Quality assurance and molecular diagnosis

Suggested Speakers

Dr. Herbert Stekel (Austria)
Ms. Janet Smith (UK)
Dr. Elizabeth Frank (India)
Dr. Elizabeth Frank (India)
Prof. Paivi Laitinen (Finland)
Prof. Jocelyn Hicks (USA)
Prof. Jocelyn Hicks (USA)
Prof. Ken Sikaris (Australia)
Dr. John Krahn (Canada)
Dr. Elizabeth Frank (India)
Prof. Paivi Laitinen (Finland)
Dr. Herbert Stekel (Austria)
Prof. Sverre Sandberg (Norway)

Language

German; English
English
English
English
Finnish; English
English
English
English
English
English
Finnish; English
German; English
Norwegian; Danish;
Swedish; English

Suggested Speakers

Prof. Edgard Delvin (Canada)
Prof. Ian Young (UK)
Dr. Khosrow Adeli (Canada)
Dr. Khosrow Adeli (Canada)
Dr. Khosrow Adeli (Canada)
Prof. Ian Young (UK)

Language

French; English
English
English
English
English
English

Suggested Speakers

Dr. Khosrow Adeli (Canada)
Dr. Steven Soldin (USA)
Dr. Steven Soldin (USA)
Dr. Steven Soldin (USA)

Language

English
German; English
German; English
German; English

Suggested Speakers

Prof. Maurizio Ferrari (Italy)
Prof. Maurizio Ferrari (Italy)
Dr Ellis Jacobs (USA)
Prof. Maurizio Ferrari (Italy)
Prof. Maurizio Ferrari (Italy)

Language

Italian; English
Italian; English
English
Italian; English
Italian; English

❖ Nutrition

- Data mining as a laboratory management tool
- Nutrient Sensing Mechanisms via Taste Receptors: Key Role in Control Of Food Intake and Metabolism
- Nutrition of the premature and term neonate
- The role of the laboratory in nutritional support
- The role of the laboratory in nutritional support
- Understanding vitamin B12 through measuring active B12

❖ Obesity

- The Obesity Epidemic: Understanding the cause, impacts and cure
- Paediatric obesity and Metabolic Syndrome

❖ Oxidative Stress

- Antioxidants - diet or supplements?
- Antioxidants and free radicals in health-nutrition and radio-protectors
- Laboratory assessment of oxidative stress
- Role of oxidative stress in disease (specifically atherosclerotic cardiovascular disease, macular degeneration or pre-eclampsia)

❖ Paediatric and Adolescent Clinical Biochemistry

- Adolescents: A challenge for society and the laboratory
- Childhood obesity, prediabetes and metabolic syndrome
- Paediatric clinical chemistry
- Paediatric Laboratory Medicine: Unique Challenges
- Point of care testing in the paediatric setting
- Point of care testing in the paediatric setting

❖ Personalized Medicine

- Technologies for personalized medicine

❖ Pharmacogenetics

- Clinical implementation of pharmacogenetics
- Pharmacogenetics of cytochrome P450 enzymes
- Pharmacogenetics for solid organ transplantation management
- Pharmacogenetics of tamoxifen

Suggested Speakers

Prof. Ken Sikaris (Australia)

Dr. Khosrow Adeli (Canada)
Prof. Edgard Delvin (Canada)
Prof. Ian Young (UK)
Prof. Ian Young (UK)
Prof Ken Sikaris (Australia)

Language

English

English
French; English
English
English
English

Suggested Speakers

Prof Ken Sikaris (Australia)
Dr. Khosrow Adeli (Canada)

Language

English
English

Suggested Speakers

Prof. Ian Young (UK)
Dr. Elizabeth Frank (India)
Prof. Ian Young (UK)

Language

English
English
English

Prof. Ian Young (UK)

English

Suggested Speakers

Prof. Jocelyn Hicks (USA)
Dr. Khosrow Adeli (Canada)
Prof. Jocelyn Hicks (USA)
Dr. Khosrow Adeli (Canada)
Dr. Khosrow Adeli (Canada)
Prof. Jocelyn Hicks (USA)

Language

English
English
English
English
English
English

Suggested Speakers

Prof. Paolo Fortina (USA)

Language

Italian; English

Suggested Speakers

Prof. Ron van Schaik (The Netherlands)
Prof. Ron van Schaik (The Netherlands)
Prof. Ron van Schaik (The Netherlands)
Prof. Ron van Schaik (The Netherlands)

Language

Dutch; English
Dutch; English
Dutch; English
Dutch; English

❖ Point of Care Testing

- IFCC recommendation on reporting results for blood glucose
- A quality improvement system for POC Testing

- Benefits and management of point of care testing
- C difficile and Antimicrobial Stewardship
- External quality assessment of POC testing

- ISO 22870 - POCT and responsibility of the laboratory
- Management & continuous quality improvement of point of care testing
- Evidence Based Medicine and Point of Care Testing
- Molecular Diagnostics & Point of Care Testing
- Patient Safety: A quality System Approach to POCT QC/AQ
- POCT external quality assurance programs
- Point of care testing in the paediatric setting
- Point of care testing in the paediatric setting
- Point of Care Testing: What is the evidence that patients benefit?
- Quality control of POC testing

- Self-monitoring of blood glucose

- Should performance specifications for POC testing be different from performance
- Specifications on hospital laboratories

- Types & values of internal quality controls in POCT
- Value of Point of Care Blood Gas Testing
- Why Knowing Now Matters in the ED

❖ Pregnancy

- Hypertensive disorders of pregnancy: pathophysiology, and early prediction through biomarkers
- Linking hypertensive disorders of pregnancy to cardiovascular diseases in later life: what are the evidence and the clinical implications?
- Screening for Trisomy 21 during pregnancy: is it possible to do better?
- The metabolic syndrome: linking hypertensive disorder of pregnancy to cardiovascular disease in later life

❖ Proteomics

- Clinical applications of proteomics

❖ Purines

- Purine metabolism and disorders of purine metabolism

Suggested Speakers

Dr. Ellis Jacobs (USA)
Prof. Sverre Sandberg (Norway)

Dr. Ellis Jacobs (USA)
Dr Ellis Jacobs (USA)
Prof Sverre Sandberg (Norway)

Dr. Herbert Stekel (Austria)
Dr. Ellis Jacobs (USA)
Dr. Ellis Jacobs (USA)
Dr Ellis Jacobs (USA)
Dr Ellis Jacobs (USA)
Dr. Ellis Jacobs (USA)
Dr. Khosrow Adeli (Canada)
Prof. Jocelyn Hicks (USA)
Prof. Robert Christenson (USA)
Prof. Sverre Sandberg (Norway)

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Dr. Ellis Jacobs (USA)
Dr. Ellis Jacobs (USA)
Dr Ellis Jacobs (USA)

Suggested Speakers

Prof. Jean-Claude Forest (Canada)

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Prof. Jean-Claude Forest (Canada)

Prof. Jean-Claude Forest (Canada)

Suggested Speakers

Prof. Eleftherios Diamandis (Canada)

Suggested Speakers

Prof. Mathias Mueller (Austria)

Language

English
Norwegian; Danish;
Swedish; English
English
English
Norwegian, Danish
Swedish, English
German; English
English
English
English
English
English
English
English
Norwegian; Danish;
Swedish; English
Norwegian; Danish
Swedish; English

Norwegian; Danish;
Swedish; English
English
English
English

Language

French; English

French; English
French; English

French; English

Language

English

Language

German; English

❖ Quality Assurance

- Glucose and external quality assessment and post-analytical quality control
- Patient Safety: A quality System Approach to POCT/QA
- POCT external quality assurance programs
- Post-analytical quality: assuring the quality of the laboratory report
- Pre-analytical quality: benchmarks for laboratory quality
- Quality issues in the laboratory
- Types & values of internal quality controls in POCT
- Understanding the clinical importance of measurement uncertainty and analytical goals
- Understanding external quality assurance
- Understanding internal quality control

❖ Reference Intervals

- Closing the Gaps in Adult and Paediatric Reference Intervals: Global Initiatives
- Defining consensus reference intervals for laboratory networks
- Deriving reference intervals with indirect methods using laboratory patient data
- Laboratory reference intervals: current gaps and guidelines
- Paediatric Reference Intervals: Recent Advances and Challenges
- Understanding the impact of aging on reference intervals
- Understanding the impact of gender on reference intervals
- Understanding the impact of pregnancy on reference intervals
- Understanding extreme results and the definition critical limits

❖ Therapeutic Drug Monitoring / Toxicology

- Mass spectrometry in the TDM laboratory
- Mass spectrometry in the toxicology laboratory
- Therapeutic drug monitoring
- Therapeutic drug monitoring
- Toxicology

❖ Thyroid disease

- Genotyping approach to thyroid hormone resistance

❖ Traceability and Standardisation

- Biological standardisation in laboratory medicine: influencing quality of patient care
- Implementation of metrological traceability in laboratory medicine

Suggested Speakers

Prof. Sverre Sandberg (Norway)

Dr Ellis Jacobs (USA)

Dr. Ellis Jacobs (USA)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Prof. Paivi Laitinen (Finland)

Prof. Ellis Jacobs (USA)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Language

Norwegian; Danish;;
Swedish; English

English

English

English

English

Finnish; English

English

English

English

English

Suggested Speakers

Dr Khosrow Adeli (Canada)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Dr. Khosrow Adeli (Canada)

Dr. Khosrow Adeli (Canada)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

Language

English

English

English

English

English

English

English

English

English

Suggested Speakers

Dr. Steven Soldin (USA)

Dr. Steven Soldin (USA)

Prof. Paivi Laitinen (Finland)

Dr. Alan Wu (USA)

Dr. Alan Wu (USA)

Language

German; English

German; English

Finnish; English

English

English

Suggested Speakers

Prof. Christopher Florkowski (NZ)

Language

English

Suggested Speakers

Prof. Jean-Claude Forest (Canada)

Prof. Jean-Claude Forest (Canada)

Language

French; English

French; English

cont Traceability and Standardization

- Implementation of metrological traceability in laboratory medicine
- Improving comparability of test results in clinical laboratories: implementation of reference measurement systems
- Standardisation in clinical enzymology
- Standardisation in laboratory medicine: traceability, reference systems and result comparability
- Standardization of Cardiac Troponin I: process and progress
- Standardization of Cardiac Troponin I: process and progress
- The JCTLM: objectives and impacts
- Theory of reference measurement systems and assays
- Traceability and the HbA1c Project

❖ Transplantation

- Transplantation biochemistry

Suggested Speakers

Prof. Mathias Mueller (Austria)

Prof. Jean-Claude Forest (Canada)
Prof. Mauro Panteghini (Italy)

Prof. Jean-Claude Forest (Canada)
Prof. Robert Christenson (USA)
Prof. Robert Christenson (USA)
Prof. Jean-Claude Forest (Canada)
Prof. Mauro Panteghini (Italy)
Dr. Herbert Stekel (Austria)

Language

German; English

French; English
Italian; English

French; English
English English
English English
French; English
Italian; English
German; English

Suggested Speakers

Prof. Mathias Mueller (Austria)

Language

German; English

