

## 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

- Challenges in the process of implementation of ISO 15189
- Essential audit criteria of ISO 15189, which I should know and are not in the Standard
- Guidelines for blood collection
  
- Impact of ISO 15189 Accreditation on patient safety
- ISO 15189
- ISO 15189, Audits
- ISO 15189, Audits
- ISO 15189, Audits
- ISO 15189, Audits
- ISO 15189 accreditation of medical laboratories
- ISO 15189 accreditation of medical laboratories
- ISO 15189 accreditation of medical laboratories
- ISO 15189 accreditation of medical laboratories
- ISO 15189, ISO 9001
- ISO 15189, Method Evaluation and Quality Management
- ISO 15189 accreditation of medical laboratories and blood banks
- 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 - Planning process and implementation
- ISO 15189 accreditation of medical testing laboratories
- ISO 22870
- ISO 22870 - POCT and responsibility of the laboratory
- ISO 15189 Accreditation: costs and benefits
- ISO 20658:2017

### **Suggested Speakers**

Dr. Alba Cecilia Gazon (Colombia)	Spanish
Dr. Alba Cecilia Gazon (Colombia)	Spanish
Dr. Gabriel Lima-Oliveira (Brazil)	Portuguese, English, Spanish, Italian
Dr. Alba Cecilia Gazon (Colombia)	Spanish
Dr. Bernard Gouget (France)	French, English
Bioq. Christina Herrera (Chile)	Spanish
Bioq. Roberto Carboni (Chile)	Spanish
MSc. Tamara Andrade (Ecuador)	Spanish
Dr.M.del Carmen Pasquel Carrera (Ecuador)	Spanish
Dr. Milena Monari (Chile)	Spanish, English
Dr. Rosa Sierra-Amor (Mexico)	Spanish, English
Dr.M.del Carmen Pasquel Carrera (Ecuador)	Spanish
Prof. Mario Plebani (Italy)	Italian, English
MSc. Patricia Hernandez (Mexico)	Spanish
Dr. Sandra Quintana (Mexico)	Spanish
ME. Jezabel Vite (Mexico)	Spanish
Dr. Herbert Stekel (Austria)	German, English
Dr.M.del Carmen Pasquel Carrera (Ecuador)	Spanish
Dr. Herbert Stekel (Austria)	German, English
Dr.M.del Carmen Pasquel Carrera (Ecuador)	Spanish
Prof. Paivi Laitinen (Finland)	Finnish, English
Dr. Bernard Gouget (France)	French, English
Dr. Herbert Stekel (Austria)	German, English
Prof. Ken Sikaris (Australia)	English
Dr. Gabriel Lima-Oliveira (Brazil)	Portuguese, English, Spanish, Italian

### **Language**

## **cont Accreditation**

- Laboratory accreditation audits
- Preanalytical errors
- Quality systems
- Risk Management and its implementation in ISO 15189
- The assessment process

## **❖ Analytical chemistry**

- Analytical Chemistry
- Analytical Methods evaluation/verification
- HPLC

## **❖ Autoimmunity**

- ANA HEp-2 cytoplasmic patterns – recognition on the microscope and clinical importance
- ANA testing in "real life"
- ANCA--associated vasculitis – diagnostic guidelines and critical analysis of the laboratory assays
- Anti Ro52 reactivity is an independent and additional serum marker in connective tissue diseases
- Autoantibodies as tools for cellular and molecular research
- Autoantibodies in systemic inflammatory rheumatic diseases: an update on what is new and important
- Autoantibody standardization committee: How do we make old and new ANA standards
- Biomarkers of subcutaneous calcinosis in systemic sclerosis and inflammatory myopathies
- Bringing the autoimmunity lab and the clinician together – how to bridge the extremes
- Dense fine speckled ANA IIF pattern (AC-2) and anti-DFS70 antibodies: cleaning up the current concepts
- ICAP Consensus in ANA Reporting: everything you need to know
- Immunobiology of subcellular autoantigenic rods/rings structures (IMPDH filaments)
- International Consensus of ANA Patterns: how to interpret findings in the lab and for the clinician
- Serum calprotectin: what do we have to know?
- Subcellular rods/rings as targets of autoantibodies in HCV therapy
- The new era of the ICAP nomenclature: an Italian experience
- The long road and the experience from the Brazilian Consensus in HEp-2 Patterns to ICAP
- The current status of the International Consensus on Anti-nuclear antibody Patterns (ICAP) and future directions

## **Suggested Speakers**

Q. Victor Baltazar (Mexico)  
MD Abraham Marcel (Cuba)  
Dr. Veronica Luzzi (US)  
Dr. Alba Cecilia Gazon (Colombia)  
Dr. Herbert Stekel (Austria)

## **Language**

Spanish  
Spanish, English  
Spanish, English  
Spanish  
German, English

## **Suggested Speakers**

Prof. Sergio Bernardini (Italy)  
Dr. Veronica Luzzi (US)  
Bioq Eduardo Aranda (Chile)

## **Language**

Italian, English, French  
Spanish, English  
Spanish

## **Suggested Speakers**

Dr. Carlos A. von Mühlen (US)

## **Language**

English, Spanish, Portuguese  
Italian, English  
English, Spanish  
Portuguese  
English

Dr. Maria Infantino (Italy)  
Dr. Carlos a. von Mühlen (US)

Dr. Edward K.L. Chan (US)

Dr. Edward K.L. Chan (US)  
Dr. Carlos A. von Mühlen (US)

Dr. Edward K.L. Chan (US)  
Dr. Carlos A. von Mühlen (US)

Dr. Carlos A. von Mühlen (US)

Dr. Maria Infantino (Italy)

Dr. Carlos A. von Mühlen (US)

Dr. Edward K.L. Chan (US)  
Dr. Carlos A. von Mühlen (US)

Dr. Maria Infantino (Italy)  
Dr. Edward K.L. Chan (US)  
Dr. Maria Infantino (Italy)  
Dr. Carlos A. von Mühlen (US)

Dr. Edward K.L. Chan (US)

English  
English, Spanish, Portuguese  
English  
English, Spanish  
Portuguese  
English, Spanish  
Portuguese  
Italian, English

English, Spanish  
Portuguese  
English  
English, Spanish  
Portuguese  
Italian, English  
English  
Italian, English  
English, Spanish  
Portuguese  
English

## **cont Autoimmunity**

- Update on autoantibodies in idiopathic inflammatory myopathies

## **❖ Biological variations**

- How to establish biological variation data
- How to use biological variation data to 1) set performance specifications 2) monitor patients 3) generate personal reference intervals

## **❖ Blood Gas**

- Blood Gas
- Blood Gases and emergency
- 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 O<sub>2</sub> Supply to the Tissue
- New biosensors
- New devices
- New technologies (in vitro, ex vivo and in vivo)
- Pathophysiology of blood gases
- Value of Point of Care Blood Gas Testing

## **❖ Bone, Calcium and Vitamin D Metabolism**

- Assessment of mineral bone metabolism and vitamin D in adult
- Bone calcium and Vitamin D Metabolism
- Vitamin D metabolism and impact on health
- Vitamin D Assays
- Vitamin D

## **❖ Cancer**

- Basic informatics for molecular cancer profiling
- Basic principles of epigenetics and epigenetic regulation in cancer therapy
- Blood and non-blood sources of cell-free DNA (cfDNA) for non-invasive cancer molecular profiling
- Cancer biomarkers
- Circulating tumor DNA: A promising biomarker in the liquid profiling of cancer
- Circulating tumor DNA: current analytical validity, clinical validity and utility
- Clinical applications of cancer molecular biomarkers
- Clinical applications of cancer molecular biomarkers
- Effects of TNF related Apoptosis Inducing Ligand (TRAIL) on apoptosis in cancer cells

## **Suggested Speakers**

Dr. Carlos A.von Mühlen (US)

## **Language**

English, Spanish, Portuguese

## **Suggested Speakers**

Prof. Sverre Sandberg (Norway)

## **Language**

Norwegian, Danish, Swedish, English  
Norwegian, Danish  
Swedish, English

Prof. Sverre Sandberg (Norway)

## **Suggested Speakers**

Prof. Sergio Bernardini (Italy)

Dr. Bernard Gouget (France)

Dr Ellis Jacobs (US)

## **Language**

Italian, English, French  
French, English  
English

Dr Ellis Jacobs (US)

English

Dr. Bernard Gouget (France)

Dr. Bernard Gouget (France)

Dr. Bernard Gouget (France)

Dr. Bernard Gouget (France)

Dr Ellis Jacobs (US)

French, English

French, English

French, English

French, English

English

## **Suggested Speakers**

Prof. Montserrat Blanes (Paraguay)

Prof. Sergio Bernardini (Italy)

Prof. Edgard Delvin (Canada)

Dr. Rosa Sierra-Amor (Mexico)

Dr. Veronica Luzzi (US)

## **Language**

Spanish, English  
Italian, English, French  
French, English  
Spanish, English  
Spanish, English

## **Suggested Speakers**

Prof. Paolo Fortina (US)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

## **Language**

Italian, English  
Turkish, English  
Turkish, English

Prof. Eleftherios Diamandis (Canada)

Prof. Maurizio Ferrari (Italy)

Prof. Maurizio Ferrari (Italy)

Prof. Paolo Fortina (US)

Prof. Maurizio Ferrari (Italy)

Prof. Tomris Ozben (Turkey)

English

Italian, English

Italian, English

Italian, English

Italian, English

Turkish, English

## **cont Cancer**

- Hybrid Compounds as Multitarget Directed Anticancer Agents
- Human b in CG
- Interpreting tumour marker results
- Implementing cancer molecular profiling
- Likelihood ratios - a more informative way of reporting laboratory results: studies with tumour markers
- Liquid biopsy: Circulating free DNA (cfDNA) and Circulating Tumour Cells (CTC) as Novel Biomarkers
- Liquid profiling assays in the era of precision oncology: Current status of assay limitations and future development
- Natural Product Inhibitors of Histone Deacetylases as New Anticancer Agents
- PSA and other members of the kallikrein family
- Seminal Cell-Free DNA Assessment as a Novel Prostate Cancer Biomarker
- Tumour marker reference intervals
- Understanding PSA refinements: age related reference intervals  
F/T PSA ratio and PSA doubling time

## **❖ Cardiovascular Biochemistry**

- Assay-related issues in the measurement of cardiac troponins and natriuretic peptides
- Cardiovascular biomarkers
- Cardiovascular biomarkers
- Biomarkers based management of acute coronary syndromes and heart failure
- Biomarkers of Heart Failure
- Biomarkers of myocardial infarction
- Cardiac Biomarkers: an evidence based approach to utilization
- Cardiac biomarkers: all analytical & clinical topics
- Cardiac markers in chronic kidney disease
- Cardiovascular biomarkers
- Cardiovascular disease: Pathophysiology and Laboratory Assessment
- Cardiovascular Diseases in chronic renal diseases and diabetes mellitus
- Coronary heart disease biomarkers
- CRP and inflammatory markers
- Diagnosing myocardial injury and myocardial infarction
- Evidence based cardiac biomarker testing
- High sensitivity troponin for early MI rule out
- High-sensitivity troponin: rule-in and rule-out strategies
- Ischemia-modified albumin
- Natriuretic peptide measurement: current use, future promise
- Novel biomarkers of cardiac risk and management
- Novel biomarkers for acute cardiovascular disease

## **Suggested Speakers**

Prof. Tomris Ozben (Turkey)  
Dr. Veronica Luzzi (US)  
Prof. Ken Sikaris (Australia)  
Prof. Paolo Fortina (US)  
Prof. Christopher Florkowski (NZ)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)  
Prof. Eleftherios Diamandis (Canada)  
Prof. Tomris Ozben (Turkey)  
Prof. Ken Sikaris (Australia)  
Prof. Ken Sikaris (Australia)

## **Language**

Turkish, English  
Spanish, English  
English  
Italian, English  
English

Turkish, English

Turkish, English

Turkish, English  
English  
Turkish, English  
English  
English

## **Suggested Speakers**

Prof. Mauro Panteghini (Italy)  
Prof. Mair Johannes (Austria)  
Dr. Damien Gruson (Belgium)  
Prof. Mair Johannes  
Dr. Damien Gruson (Belgium)  
Dr. Damien Gruson (Belgium)  
Prof. Robert Christenson (US)  
Prof. Fred Apple (US)  
Dr. Paul Collinson (UK)  
Prof. Fred Apple (US)  
Dr. Khosrow Adeli (Canada)  
Prof. Tomris Ozben (Turkey)  
Dr. Nader Rifai (US)  
Dr. Nader Rifai (US)  
Prof. Kristian Thygesen (Denmark)  
Dr. Paul Collinson (UK)  
Dr. Alan Wu (US)  
Prof. Mario Plebani (Italy)  
Dr. Paul Collinson (UK)  
Prof. Robert Christenson (US)  
Prof. Robert Christenson (US)  
Dr. Alan Wu (US)

## **Language**

Italian, English  
German, English  
French, English  
German, English  
French, English  
French, English  
English  
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English  
Turkish, English  
English  
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English, Danish  
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English  
Italian, English  
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English  
English

### **cont Cardiovascular Biochemistry**

- Oxidative stress, inflammation, and endothelial injury in accelerated atherosclerosis
- Potential risk predictors for cardiovascular diseases in patients with obstructive sleep apnea syndrome
- Rapid rule in and out using cardiac biomarkers
- The basics of cardiac biomarker interpretation
- Understanding the relationship between cholesterol and insulin resistance.
- Vascular markers of Atherosclerosis

### **❖ Cerebral diseases**

- Inflammatory response of the brain following cerebral ischemia
- Neuro inflammation and anti-inflammatory treatment options for Alzheimer's disease
- Pathophysiology of Cerebral Ischemia. Mechanisms Involved in Neuronal Damage

### **❖ Cerebrospinal Fluid**

- CSF bilirubin, xanthochromia and detection of subarachnoid haemorrhage
- Cerebrospinal fluid

### **❖ Chronic Kidney Disease**

- Diagnostic proteomic markers to detect kidney diseases
- Estimating glomerular filtration rate from serum creatinine measurements: analytical issues and standardisation programs
- Non traditional cardiovascular disease risk factors and arterial inflammatory response in end-stage renal disease
- Protein carbamylation and carbamylation derived products as biomarkers

### **❖ Clinical Usefulness of Analytes**

- Adding clinical utility to laboratory reports
- Biomarkers associated with COVID 19 disease progression
- Coenzyme Q10 - evidence base for a clinically useful analyte
- C.difficile and Antimicrobial Stewardship
- Hepatopathies in patients with dengue
- Hemostasia, platelets function
- Is this assay clinically useful - the paradigm of natriuretic peptides
- Iron Metabolism
- Public Health & Hospital Administration, Sciences Communication, Antimicrobial Resistance
- Value and Impact of Laboratory Medicine in Healthcare and Health Outcomes
- Value and Impact of Laboratory Medicine for human health
- Value and Impact of molecular testing
- Why Knowing Now Matters in the ED
- Zika Virus update in Latin America

### **Suggested Speakers**

Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)

Dr. Paul Collinson (UK)  
Prof. Mauro Panteghini (Italy)  
Prof. Ken Sikaris (Australia)  
Prof. Tomris Ozben (Turkey)

### **Suggested Speakers**

Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)

### **Suggested Speakers**

Prof. Christopher Florkowski (NZ)  
Prof. Sergio Bernardini (Italy)

### **Suggested Speakers**

Prof. Tomris Ozben (Turkey)  
Prof. Mauro Panteghini (Italy)

Prof. Tomris Ozben (Turkey)

Prof. Philippe Gillery (FR)

### **Suggested Speakers**

Dr. Wytze Oosterhuis (The Netherland)  
Prof. Tomris Ozben (Turkey)  
Prof. Christopher Florkowski (NZ)  
Dr. Ellis Jacobs (US)  
Prof. Montserrat Blanes (Paraguay)  
Bioq Eduardo Aranda (Chile)  
Prof. Christopher Florkowski (NZ)  
Dr. Herbert Stekel (Austria)  
Dr Juana Ortellado de Canese (Paraguay)

Dr. Khosrow Adeli (Canada)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Dr. Ellis Jacobs (US)  
Prof. Montserrat Blanes (Paraguay)

### **Language**

Turkish, English  
Turkish, English

English  
Italian, English  
English  
Turkish, English

### **Language**

Turkish, English  
Turkish, English  
Turkish, English

### **Language**

English  
Italian, English, Fench

### **Language**

Turkish, English  
Italian, English

Turkish, English

French, English

### **Language**

Dutch, English  
Turkish, English  
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Spanish  
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German, English  
Spanish, English

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Italian, English  
Italian, English  
English  
Spanish



## ❖ 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

- Controversies in thyroid hormones
  - IFCC recommendation on reporting results for blood glucose & sources of error in glucose POCT
  - Diabetes: metabolic and genetic characteristics related-Lipids
  - 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
  - Diabetes: testing and autoantibodies
  - eAG and the correlation of HbA1c and glucose
  - HbA1c for screening and diagnosis of diabetes
  - Insuline resistance Type 2 Diabetes
  - Laboratory assessment of insulin resistance
  - Leptin and adiponectin in insulin resistance
  - Metabolic syndrome in adolescent children and adults
  - Pediatric obesity, prediabetes and metabolic syndrome
  - Pathophysiology of diabetic dyslipidemia
  - POC testing for monitoring and diagnosing diabetes mellitus
- 
- Post-translational modification of proteins (glycation - glycooxidation - carbamylation)
  - Self-monitoring of blood glucose
- 
- The effect of hemodialysis on accelerated atherosclerosis in diabetic patients
  - Small dense Low-Density Lipoprotein as Biomarker for Atherosclerotic Diseases
  - The metabolic syndrome in youth and polymorphic genes

## ❖ Education and communication

- Online education
- IT and new technologies of information and communication

## ❖ Emerging technologies

- Artificial intelligence
- Big data
- E-health
- Emerging technologies and chronic diseases
- Mobile health

## **Suggested Speakers**

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

## **Language**

English  
French, English  
English

## **Suggested Speakers**

Prof. Montserrat Blanes (Paraguay)  
Dr. Ellis Jacobs (US)

## **Language**

Spanish, English  
English

Dr. Julio Lara (Mexico)  
Prof. Philippe Gillery (France)  
Dr. Herbert Stekel (Austria)  
Dr. Khosrow Adeli (Canada)  
Dr. Ellis Jacobs (US)  
Dr. Damien Gruson (Belgium)  
Prof. Ken Sikaris (Australia)  
Prof. Ken Sikaris (Australia)  
Dr Miguel Cruz (Mexico)  
Dr. Khosrow Adeli (Canada)  
Prof. Edgard Delvin (Canada)  
Prof. Montserrat Blanes (Paraguay)  
Dr. Khosrow Adeli (Canada)  
Dr. Julio Lara (Mexico)  
Prof. Sverre Sandberg (Norway)

Spanish  
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French, English  
Spanish, English  
English  
Spanish  
Norwegian, Danish  
Swedish, English  
French, English  
Norwegian, Danish,  
Swedish, English  
Turkish, English  
Spanish  
French, English

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

Prof. Tomris Ozben (Turkey)  
Dr. Julio Lara (Mexico)  
Prof. Edgard Delvin (Canada)

## **Suggested Speakers**

Dr. Eduardo Freggiaro (Argentina)  
Dr. Eduardo Freggiaro (Argentina)

## **Language**

Spanish, English  
Spanish, English

## **Suggested Speakers**

Dr. Bernard Gouget (France)  
Dr. Bernard Gouget (France)  
Dr. Bernard Gouget (France)  
Dr. Damien Gruson (Belgium)  
Dr. Bernard Gouget (France)

## **Language**

French, English  
French, English  
French, English  
French, English  
French, English

## **cont Emerging technologies**

- Mobile health and digitalization

### **❖ Ethics**

- Bioethics in Lab Med
- Ethics
- Ethics and AI
- Ethics and medically assisted reproduction
- Ethics and regulations
- Ethics in laboratory medicine
- Ethics in medical research

### **❖ Evidence-Based Laboratory Medicine**

- Evaluation of new biomarkers
- Evidence-based guidelines in laboratory medicine
- Evidence-based guidelines in laboratory medicine
- Evidence in action - using evidence in practice
- Evidence-Based Laboratory Medicine on clinical usefulness of laboratory tests
- 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
- Guidelines development clinical cooperation
- Harmonization of critical risk result management
- How to design alert lists of critical risk results
- How to (re)define disease definitions using laboratory tests
- Introduction to Evidence-Based Laboratory Medicine
- Introduction to Evidence-Based Laboratory Medicine
  
- Management of critical risk result communications
- Evidence-based Medicine and Point of Care Testing
- Outcome-based performance specifications for laboratory tests
- Overdiagnosis and overdetected in laboratory medicine
- Study design and quality of evidence for diagnostic tests

### **❖ External Quality Assessment**

- EQA/PT
- EQA/PT
- EQA/PT
- EQA/PT
- EQA/PT
- EQA/PT

### **Suggested Speakers**

Dr. Damien Gruson (Belgium)

### **Language**

French, English

### **Suggested Speakers**

Dr. Bernard Gouget (France)  
Prof. Nilda Fink (Argentina)  
Dr. Bernard Gouget (France)  
Dr. Bernard Gouget (France)  
Dr. Bernard Gouget (France)  
Prof. Mario Plebani (Italy)  
Prof. Tomris Ozben (Turkey)

### **Language**

French, English  
Spanish, English  
French, English  
French, English  
French, English  
Italian, English  
Turkish, English

### **Suggested Speakers**

Prof. Andrea Rita Horvath (Australia)  
Prof. Andrea Rita Horvath (Australia)  
Bioq Hernan Fares-Taie (Argentina)  
Prof. Andrea Rita Horvath (Australia)  
Dr. Hernan Fares-Taie (Argentina)  
Prof. Robert Christenson (US)  
Prof. Robert Christenson (US)  
Prof. Robert Christenson (US)  
Prof. Andrea Rita Horvath (Australia)  
Dr. Wytze Oosterhuis (The Netherlands)  
Prof. Andrea Rita Horvath (Australia)  
Prof. Andrea Rita Horvath (Australia)  
Prof. Andrea Rita Horvath (Australia)  
Prof. Andrea Rita Horvath (Australia)  
Prof. Sverre Sandberg (Norway)

### **Language**

Hungarian, English  
Hungarian, English  
Spanish, English  
Hungarian, English  
Spanish, English  
English  
English  
English  
Hungarian, English  
Dutch, English  
Hungarian, English  
Hungarian, English  
Hungarian, English  
Hungarian, English  
Norwegian, Danish, Swedish, English  
Hungarian, English  
English  
Hungarian, English  
Hungarian, English  
Hungarian, English

Prof. Andrea Rita Horvath (Australia)  
Dr. Ellis Jacobs (US)  
Prof. Andrea Rita Horvath (Australia)  
Prof. Andrea Rita Horvath (Australia)  
Prof. Andrea Rita Horvath (Australia)

### **Suggested Speakers**

Bact. Andreas Rothstein (Colombia)  
Bioq Manuel Morejon (Cuba)  
Q Daniel Razo (Mexico)  
Dr. Juan Manuel Vargas-Morales (Mexico)  
Dr. Alba Marina Garcia (Guatemala)  
Dr. Ana Leticia Maselli (Guatemala)

### **Language**

Spanish, English  
Spanish, English  
Spanish  
Spanish  
Spanish  
Spanish

### **cont External Quality Assessment**

- External Quality Assessment in molecular diagnostics
- How to set performance specifications for EQA
  
- How to perform EQA/PT for POC instruments
  
- Why commutability matters in EQA/PT

### **❖ HbA1c**

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

### **❖ Hypertension**

- Hypertension and the renin-aldosterone axis

### **❖ Immunochemistry**

- Immunochemistry
- Interferences with immunoassays
- Interferences in Clinical Chemistry and Immunochemistry Assays
- A practical investigation approach for detecting and solving the most common interferences in Clinical Chemistry and Immunochemistry Assays

### **❖ In Vitro Fertilisation**

- Stem Cells, Fetal maternal clinical chemistry

### **❖ Laboratory Management**

- Appropriateness in test request and result interpretation
- Architecture
- Autoverification of laboratory data
- Basic problem solving in laboratory management
- Biological variation
- Biosafety in the clinical laboratory

### **Suggested Speakers**

Prof. Maurizio Ferrari (Italy)  
Prof. Sverre Sandberg (Norway)

Prof. Sverre Sandberg (Norway)

Prof. Sverre Sandberg (Norway)

### **Language**

Italian, English  
Norwegian, Danish,  
Swedish, English  
Norwegian, Danish,  
Swedish, English  
Norwegian, Danish,  
Swedish, English

### **Suggested Speakers**

Dr. Cas Weykamp (The Netherland)

MSc Eduardo Rojano (Mexico)  
Dr. Khosrow Adeli (Canada)  
Prof. Stella Raymondo (Uruguay)  
Prof. Ken Sikaris (Australia)  
Prof. Philippe Gillery (France)  
Dr. Veronica Luzzi (US)  
Dr. Khosrow Adeli (Canada)  
Prof. Sverre Sandberg (Norway)

### **Language**

English  
  
Spanish  
English  
Spanish  
English  
French, English  
Spanish, English  
English  
Norwegian, Danish  
Swedish, English

### **Suggested Speakers**

Dr. Damien Gruson (Belgium)

### **Suggested Speakers**

Prof. Sergio Bernardini (Italy)  
Dr. Damien Gruson (Belgium)  
MD Jose Jara Aguirre (Peru)  
MD Jose Jara Aguirre (Peru)

### **Language**

French, English

### **Language**

Italian, English, French  
French, English  
Spanish, English  
Spanish, English

### **Suggested Speakers**

Dr Consuelo Valencia (Ecuador)

### **Suggested Speakers**

Prof. Mario Plebani (Italy)  
Dr. Bernard Gouget (France)  
Dr. Ed Randell (Canada)  
Prof. Sedef Yenice (Turkey)  
Dr. Alan Wu (US)  
MT Leverton Ortiz (Chile)

### **Language**

Spanish, English

### **Language**

English, Italian  
French, English  
English  
Turkish, English  
English  
Spanish



## **cont Laboratory Management**

- Blood Bank
- Clinical Decision Support for test requesting
- Continuous process improvement
- Core Processes in the Laboratory
- Data mining as a laboratory management tool
- Developing laboratory leadership skills
- Economy
- Essential leadership management
- Extra analytical performance characteristics
- Generate value in diagnostic tests Laboratory impact on medical decisions
- Guidelines for blood collection
  
- Guidelines to assess assays performances (CLSI)
- Guidelines to assess assays performances (CLSI)
- How to imagine the future of laboratory medicine
- How to set analytical performance specifications
  
- Lab commercial networks
- Laboratory accreditation audits
- Laboratory automation system
- Laboratory Management
- Laboratory Management, Method Evaluation
- Laboratory Management and Patient Satisfaction
- Laboratory Management and Patient Satisfaction
- Laboratory Information Systems - The Basics
- Laboratory Stewardship
- Laboratory tests formularies
- Learning Laboratory Processes
- Laboratory Management – Process Management - Quality policy and Objectives area
- Management of preanalytical phase
  
- Management of the cost of quality
- Management of interference in clinical laboratory analysis
- Measurement uncertainty
- Method comparison
- Method Evaluation
- Method Evaluation and Quality management
- Method Evaluation and Quality assurance
- Method Evaluation and Quality management, Lab Management
- Method Evaluation, Total Quality Management plan, Guidelines to assess assays performances (CLSI)

## **Suggested Speakers**

- ME Jezabel Vite (Mexico)  
Prof. Ken Sikaris (Australia)  
Dr. Ed Randell  
Dr. Herbert Stekel (Austria)  
Prof. Ken Sikaris (Australia)  
Dr. Ed Randell (Canada)  
Dr. Bernard Gouget (France)  
Prof. Sedef Yenice (Turkey)  
Prof. Mario Plebani (Italy)  
Prof. Montserrat Blanes (Paraguay)  
Dr. Gabriel Lima-Oliveira (Brazil)
- Dr. Laura Parnas (Argentina)  
Dr. Veronica Luzzi (US)  
Prof. Maurizio Ferrari (Italy)  
Prof. Sverre Sandberg (Norway)
- Dr. Bernard Gouget (France)  
Q. Victor Baltazar (Mexico)  
Dr. Cristina Ures (Uruguay)  
MSc Patricia Hernandez (Mexico)  
MT Leverton Ortiz (Chile)  
Dr. Ana Leticia Maselli (Guatemala)  
MSc. Rosario Vazquez (Mexico)  
Dr. Herbert Stekel (Austria)  
Prof. Mario Plebani (Italy)  
Dr. Ed Randell (Canada)  
Prof. Paivi Laitinen (Finland)  
Bioq. Roberto Carboni (Chile)  
Dr. Gabriel Lima-Oliveira (Brazil)
- Prof. Sedef Yenice (Turkey)  
Prof. Sedef Yenice (Turkey)  
Dr. Herbert Stekel (Austria)  
Dr. Herbert Stekel (Austria)  
MSc Patricia Hernandez (Mexico)  
Q. Victor Baltazar (Mexico)  
Q. Daniel Razo (Mexico)  
Dr. Juan Manuel Vargas-Morales (Mexico)  
MD Jose Jara Aguirre (Peru)

## **Language**

- Spanish  
English  
English  
German, English  
English  
English  
French, English  
Turkish, English  
Italian, English  
Spanish, English  
Portuguese, English,  
Spanish, Italian  
Spanish, English  
Spanish, English  
Italian, English  
Norwegian, Danish,  
Swedish, English  
French, English  
Spanish  
Spanish  
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Spanish  
Spanish  
German, English  
Italian, English  
English  
Finnish, English  
Spanish  
Portuguese, English  
Spanish, Italian  
Turkish, English  
Turkish, English  
German  
German  
Spanish  
Spanish  
Spanish  
Spanish  
Spanish

## **cont Laboratory Management**

- Outcome evaluation
- Patient safety
- Planning Laboratory Automation
- Preanalytical variables for clinical laboratory tests
- Preanalytic Errors
- Professional exercise biochemical impact on clinical management
- Project management
- Project management
- Promotion of clinical laboratory testing to the general public
- Quality Indicators
- Quality indicators
- Quality indicators
- Quality issues in the laboratory
- Removal of antiquated clinical laboratory tests
- Risk management
- Small Dense Low-Density Lipoprotein as Biomarker for Atherosclerotic Diseases
- Strategic planning
- Strategic planning
- Technical problems influencing clinical interpretation
- Team management
- The future of molecular biology in the diagnostic laboratories
- Quality management system set up
- Use of delta checks in medical laboratory
- Usefulness of External quality control / Proficiency testing
- Usefulness and external quality control/PT
- Understanding extreme results and the definition critical limits
- Utilization management of laboratory services

## **❖ Lipids**

- Fatty acid profiles of cancer cell membrane: the signal transduction pathways and effects of chemotherapeutics and antioxidants
- Intestinal lipid absorption and metabolism
- Intestinal lipid absorption and metabolism
- Lipid Guidelines for Cardiovascular Risk Stratification and Treatment
- Lipid and Lipoprotein Metabolism and Physiology
- Lipids and lipoproteins
- Lipid Lowering Therapies: Statins, Fibrates, and PCSK9 Inhibitors
- Measurements in lipoprotein subclasses
- Role of drugs and lifestyle in the management of dyslipidaemia

## **Suggested Speakers**

Prof. Mario Plebani (Italy)  
Prof. Montserrat Blanes (Paraguay)  
Prof. Paivi Laitinen (Finland)  
Dr. Alan Wu (US)  
Dr. Herbert Stekel (Austria)  
Prof. Montserrat Blanes (Paraguay)  
Prof. Sedef Yenice (Turkey)  
Dr. Ed Randell (Canada)  
Dr. Alan Wu (US)  
Prof. Mario Plebani (Italy)  
Dr. Milena Monari (Chile)  
Dr. Rosa Sierra-Amor (Mexico)  
Prof. Paivi Laitinen (Finland)  
Dr. Alan Wu (US)  
MT Leverton Ortiz (Chile)  
MD Jose Jara Aguirre (Peru)  
Dr. Ed Randell (Canada)  
Dr. Bernard Gouget (France)  
Prof. Montserrat Blanes (Paraguay)  
Prof. Sedef Yenice (Turkey)  
Prof. Maurizio Ferrari (Italy)  
Prof. Sedef Yenice (Turkey)  
Prof. Sedef Yenice (Turkey)  
Prof. Sverre Sandberg (Norway)  
MSc Ana Maria Piana (Uruguay)  
Prof. Ken Sikaris (Australia)  
Dr. Ed Randell (Canada)

## **Language**

Italian, English  
Spanish, English  
Finnish, English  
English  
German, English  
Spanish, English  
Turkish, English  
English  
English  
Italian, English  
Spanish, English  
Spanish  
Finnish, English  
English  
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English  
French, English  
Spanish, English  
Turkish, English  
Italian, English  
Turkish, English  
Turkish, English  
Swedish, English  
Spanish  
English  
English

## **Suggested Speakers**

Prof. Tomris Ozben (Turkey)  
  
Prof. Edgard Delvin (Canada)  
Prof. Ian Young (UK)  
Dr. Khosrow Adeli (Canada)  
Dr. Khosrow Adeli (Canada)  
Dr. Isela Parra (Mexico)  
Dr. Khosrow Adeli (Canada)  
Dr. Veronica Luzzi (US)  
Prof. Ian Young (UK)

## **Language**

Turkish, English  
  
French, English  
English  
English  
English  
Spanish  
English  
Spanish, English  
English

## ❖ 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

- Advanced molecular techniques for the diagnosis of Alzheimer disease
- Apoptosis, Clinical Significance and Therapeutic Approaches
- Expanding space for Next Generation Sequencing diagnostics applications
- From macro to nanotechnology: the future of laboratory medicine
- Impaired antioxidant mechanisms in kidney diseases
- Iron metabolism genes and molecular diagnostics
- Liquid profiling: pre-analytical challenges
- Molecular autopsy: utility for cardiac arrhythmias
- Molecular Diagnostics & Point of Care Testing
- Molecular Diagnostics, Molecular Genetics
- Molecular Diagnostics
- Molecular diagnostics and point of care testing
- New trends in molecular diagnostics
- NGS and beyond
- Non-invasive prenatal diagnosis by circulating nucleic acid analysis
- Proteasome inhibition sensitizes cancer cells to TRAIL mediated apoptosis
- Quality assurance and molecular diagnosis
- Sensitivity of human cancer cells to TRAIL/Apo-2L-induced apoptosis through upregulation of death receptors
- Utility of molecular testing in urology

## ❖ Nutrition

- Data mining as a laboratory management tool
- Microbiotic and Nutrition
- Natural product modulators to overcome multidrug resistance in cancer
- Nutraceuticals - sources and benefits for human health
- Nutrient Sensing Mechanisms via Taste Receptors: Key Role in Control of Food Intake and Metabolism
- Nutrition of the premature and term neonate
- Redox modulators and chemoresistance in cancer therapy: beneficial versus deleterious effects
- The role of the laboratory in nutritional support
- The role of the laboratory in nutritional support
- Understanding vitamin B12 through measuring active B12

## **Suggested Speakers**

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

## **Language**

English  
German, English  
German, English  
German, English

## **Suggested Speakers**

Prof. Maurizio Ferrari (Italy)  
Prof. Tomris Ozben (Turkey)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Prof. Tomris Ozben (Turkey)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Dr Ellis Jacobs (US)  
Prof. Jose Francisco Muñoz-Valle (Mexico)  
Dr. Isela Parra (Mexico)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Prof. Tomris Ozben (Turkey)  
Prof. Maurizio Ferrari (Italy)  
Prof. Tomris Ozben (Turkey)

## **Language**

Italian, English  
Turkish, English  
Italian, English  
Italian, English  
Turkish, English  
Italian, English  
Italian, English  
Italian, English  
Italian, English  
English  
Spanish, English  
Spanish  
Italian, English  
Italian, English  
Italian, English  
Italian, English  
Turkish, English  
Italian, English  
Turkish, English

Prof. Maurizio Ferrari (Italy)

Italian, English

## **Suggested Speakers**

Prof. Ken Sikaris (Australia)  
Dr Ana Burguete (Mexico)  
Prof. Tomris Ozben (Turkey)  
Dr. Edgar Delvin (Canada)  
Dr. Khosrow Adeli (Canada)

## **Language**

English  
Spanish, English  
Turkish, English  
French, English  
English

Prof. Edgard Delvin (Canada)  
Prof. Tomris Ozben (Turkey)

French, English  
Turkish, English

Prof. Ian Young (UK)  
Prof. Ian Young (UK)  
Prof Ken Sikaris (Australia)

English  
English  
English

## ❖ Obesity

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

## ❖ Oxidative Stress

- Antioxidants - diet or supplements?
- Are uremia, diabetes, and atherosclerosis linked with impaired antioxidant mechanisms?
- Correlation of carotid artery intima-media thickness with oxidative stress in diabetic patients on hemodialysis
- Diverse effects of antioxidants on the cytotoxicity of chemotherapeutic drugs
- Free radicals: the role of antioxidants and pro-oxidants in cancer development and therapy
- Laboratory assessment of oxidative stress  
Natural redox modulators of oxidative stress and chemoresistance in cancer therapy: beneficial versus deleterious effects
- Oxidative stress and accelerated atherosclerosis in end-stage renal disease
- Oxidative stress and apoptosis: impact on cancer therapy
- Role of oxidative stress in disease (specifically atherosclerotic cardiovascular disease, macular degeneration or pre-eclampsia)

## ❖ Patient focused Laboratory Medicine

- Reporting to patients: patients as costumers

## ❖ Paediatric and Adolescent Clinical Biochemistry

- Childhood obesity, prediabetes and metabolic syndrome
- Childhood obesity, prediabetes and metabolic syndrome
- Laboratorial manifestations in hyperandrogenism in pediatric and adolescent
- Neonatal Screening
- Neonatal Screening
- Inborn errors of metabolism
- Paediatric Laboratory Medicine: Unique Challenges
- Paediatric and adolescent clinical biochemistry: Childhood obesity, prediabetes and metabolic syndrome
- Point of care testing in the paediatric setting
- State of the art for pharmacogenomics

## ❖ Personalized Medicine

- Technologies for personalized medicine
- Data science enabling personalized medicine
- Big data and ageing
- Personalized Medicine

## **Suggested Speakers**

Prof Ken Sikaris (Australia)  
Dr. Ana Burguete (Mexico)  
Dr. Miguel Cruz (Mexico)  
Dr. Khosrow Adeli (Canada)

## **Language**

English  
Spanish, English  
Spanish, English  
English

## **Suggested Speakers**

Prof. Ian Young (UK)  
Prof. Tomris Ozben (Turkey)

## **Language**

English  
Turkish, English

Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)  
Prof. Ian Young (UK)  
Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)  
Prof. Tomris Ozben (Turkey)

Turkish, English  
Turkish, English  
Turkish, English  
English  
Turkish, English  
Turkish, English  
Turkish, English  
Turkish, English

Prof. Ian Young (UK)

English

## **Suggested Speakers**

Dr. Wytze Oosterhuis (The Netherland)

## **Language**

Dutch, English

## **Suggested Speakers**

Dr. Khosrow Adeli (Canada)  
Dr. Juan Manuel Vargas-Morales (Mexico)  
Prof. Montserrat Blanes (Paraguay)  
Prof Graciela Queiruga (Uruguay)  
MSc Isabel Ibarra (Mexico)  
Prof Graciela Queiruga (Uruguay)  
Dr. Khosrow Adeli (Canada)  
Dr. Juan Manuel Vargas-Morales (Mexico)

## **Language**

English  
Spanish  
Spanish, English  
Spanish  
Spanish, English  
Spanish  
English  
Spanish

Dr. Khosrow Adeli (Canada)  
Dr. Alan Wu (US)

English  
English

## **Suggested Speakers**

Prof. Paolo Fortina (US)  
Prof. Maurizio Ferrari (Italy)  
Prof. Maurizio Ferrari (Italy)  
Prof. Sergio Bernardini (Italy)

## **Language**

Italian, English  
Italian, English  
Italian, English  
Italian, English, French

## ❖ Pharmacogenetics

- Clinical implementation of pharmacogenetics
- Pharmacogenetics of cytochrome P450 enzymes
- Pharmacogenetics for solid organ transplantation management
- Pharmacogenetics of tamoxifen
- Pharmacogenetics in oncology
- Pharmacogenetics and pain management
- Pharmacogenetics, the role of laboratory medicine

## ❖ Point of Care Testing

- Applicability of the CLSI EP23 Guide in POCT devices
- A quality improvement system for POC Testing
  
- Benefits and management of POCT
- Benefits and management of POCT
- Biosensors and the cloud
- C difficile and Antimicrobial Stewardship
- Direct to consumer testing
- External quality assessment of POCT testing
  
- Evidence Based Medicine and Point of Care Testing
- IFCC recommendation on reporting results for blood glucose
- Implementation of the SGC ISO 22870
- ISO 22870 - POCT and responsibility of the laboratory
- Management & continuous quality improvement of point of care testing
- Management of the risk in POC devices
- Method verification on POCT devices
- Molecular Diagnostics & Point of Care Testing
- NBIC
- New Technologies and devices
- Non invasive and in vivo biosensors
- 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: What is the evidence that patients benefit?
- Quality assurance
- Quality assurance in POCT devices
- Quality control of POC testing
  
- Self-monitoring of blood glucose

## **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)  
Prof. Ron van Schaik (The Netherlands)  
Prof. Ron van Schaik (The Netherlands)  
Prof. Maurizio Ferrari (Italy)

## **Language**

Dutch, English  
Dutch, English  
Dutch, English  
Dutch, English  
Dutch, English  
Dutch, English  
Italian, English

## **Suggested Speakers**

Dr. Alba Cecilia Garzon (Colombia)  
Prof. Sverre Sandberg (Norway)

Dr. Ellis Jacobs (US)  
Prof. Stella Raymondo (Uruguay)  
Dr. Bernard Gouget (France)  
Dr Ellis Jacobs (US)  
Dr. Bernard Gouget (France)  
Prof. Sverre Sandberg (Norway)

Dr. Ellis Jacobs (US)  
Dr. Ellis Jacobs (US)  
Dr. Alba Cecilia Garzon (Colombia)  
Dr. Herbert Stekel (Austria)  
Dr. Ellis Jacobs (US)  
Dr. Alba Cecilia Garzon (Colombia)  
Dr. Alba Cecilia Garzon (Colombia)  
Dr Ellis Jacobs (US)  
Dr. Bernard Gouget (France)  
Dr. Bernard Gouget (France)  
Dr. Bernard Gouget (France)  
Dr Ellis Jacobs (US)  
Dr. Ellis Jacobs (US)  
Dr. Khosrow Adeli (Canada)  
Prof. Robert Christenson (US)  
Dr. Bernard Gouget (France)  
Dr. Alba Cecilia Garzon (Colombia)  
Prof. Sverre Sandberg (Norway)

## **Language**

Spanish  
Norwegian, Danish,  
Swedish, English  
English  
Spanish  
French, English  
English  
French, English  
Norwegian, Danish  
Swedish, English  
English  
English  
Spanish  
Spanish  
English  
French, English  
French, English  
French, English  
English  
English  
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English  
French, English  
Spanish  
Norwegian, Danish  
Swedish, English  
Norwegian, Danish  
Swedish, English



### **cont Point of care testing**

- 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

### **❖ Porphiria**

- An overview on how to diagnose and monitor the different porphyrias

### **❖ Proteomics**

- Clinical applications of proteomics
- Clinical Proteomics and Proteomic Profiling in Hepatocellular Carcinoma
- Diagnostics proteomic markers to detect kidney diseases
- Proteomic validation of Biomarkers for Discrimination of Benign and Malign Prostatic Hyperplasia
- Proteomic Profiling During Atherosclerosis Progression
- Urinary proteomics in biomarker discovery of kidney-related disorders: diabetic nephropathy and drug-induced nephrotoxicity in chronic headache
- Validation of Prostate Cancer Biomarkers and Inflammation: A Proteomics Study

### **❖ Purines**

- Purine metabolism and disorders of purine metabolism

### **❖ Quality Assurance**

- Addressing nonconformances through Preventive and Reactive Action Plans
- Applicable verification protocols according to EP15 A3 guidelines. CLIS EP05-EP-09
- Assurance strategies that impact Patient Safety
- Biologic variability in endocrinology
- Construction of technical quality indicators
- Glucose and external quality assessment and post-analytical quality control
- Guidelines for blood collection
- Estimation and evaluation of measurement uncertainty according to the guidelines of ISO 20914
- Estimation of Uncertainty according to the CLSI EP-29 Guidelines
- Evaluation and intervention actions against the Random Error in the measurement processes

### **Suggested Speakers**

Prof. Sverre Sandberg (Norway)

Prof. Sverre Sandberg (Norway)

Dr. Ellis Jacobs (US)

Dr. Ellis Jacobs (US)

Dr Ellis Jacobs (US)

### **Language**

Norwegian, Danish  
Swedish, English

Norwegian, Danish  
Swedish, English

English

English

English

### **Suggested Speakers**

Prof. Sverre Sandberg (Norway)

### **Language**

Norwegian, Danish,  
Swedish, English

### **Suggested Speakers**

Prof. Eleftherios Diamandis (Canada)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

Prof. Tomris Ozben (Turkey)

### **Language**

English

Turkish, English

Turkish, English

Turkish, English

Turkish, English

Turkish, English

Turkish, English

### **Suggested Speakers**

Prof. Mathias Mueller (Austria)

### **Language**

German, English

### **Suggested Speakers**

Dr. Ed Randell (Canada)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Alba Cecilia Garzon (Colombia)

Prof. Montserrat Blanes (Paraguay)

Dr. Alba Cecilia Garzon (Colombia)

Prof. Sverre Sandberg (Norway)

Dr. Gabriel Lima-Oliveira (Brazil)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Alba Cecilia Grazon (Colombia)

### **Language**

English

Spanish

Spanish

Spanish, English

Spanish

Norwegian, Danish,  
Swedish, English

Portuguese, English  
Spanish, Italian

Spanish

Spanish

Spanish

## cont **Quality Assurance**

- How endogenous and exogenous interferences can affect the patient clinical outcome: a case based approach
- Interpretation, analysis and generation of actions based on the results of the External Quality Assessment test
- Laboratory Errors
  
- Laboratory Report
- Management and Quality Assurance
- Management of preanalytical phase
  
- Patient Safety: A quality System Approach to POCT/QA
- POCT external quality assurance programs
- Post-analytical quality: assuring the quality of the laboratory report
- Post-analytical phase and quality assurance
- Pre-analytical phase and quality assurance
- Pre-analytical quality: benchmarks for laboratory quality
- Pre-analytical quality, Quality control and Quality Assurance
- Pre-analytical quality, Method Evaluation
  
- Pre-analytical quality
- Prospective risk management strategies
- Quality assurance and patient safety
- Quality assurance in Molecular Diagnosis for Dummies
- Quality assurance in qualitative tests
- Quality assurance and traceability
- Quality Assurance - Quality control and analytical performance
- Quality control and Quality Assurance
- Quality control and Quality Assurance
- Quality control and Quality Assurance
- Quality control as a patient safety tool
- Quality control programs for screening neonates babies
- Quality control programs
- Quality issues in the laboratory
- Risk management applied to quality assurance
- Sigmametry from strategy to action to impact processes
- Standardisation of hormones
- The Delta Check as a post analytical quality control tool
- Total error and measurement uncertainty
- Types & values of internal quality controls in POCT
- Understanding the clinical importance of measurement uncertainty and analytical goals
- Understanding external quality assurance

## **Suggested Speakers**

MD Jose Jara Aguirre (Peru)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Gabriel Lima-Oliveira (Brazil)

Q. Victor Baltazar (Mexico)

Prof. Montserrat Blanes (Paraguay)

Dr. Gabriel Lima-Oliveira (Brazil)

Dr Ellis Jacobs (US)

Dr. Ellis Jacobs (US)

Prof. Ken Sikaris (Australia)

Prof. Mario Plebani (Italy)

Prof. Mario Plebani (Italy)

Prof. Ken Sikaris (Australia)

MSc Carmen Melchor (Mexico)

Dr. Gabriel Lima-Oliveira (Brazil)

Bioq. Carlos Navarro (Argentina)

Dr. Ed. Randell (Canada)

Prof. Mario Plebani (Italy)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Alba Cecilia Garzon (Colombia)

Q. Victor Baltazar (Mexico)

Bioq. Roberto Carboni (Chile)

Dr. Laura Parnas (Argentina)

Bact. Ana-Lucia Aguirre (Mexico)

Bact. Andreas Rothstein (Colombia)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Veronica Luzzi (US)

Dr. Veronica Luzzi (US)

Prof. Paivi Laitinen (Finland)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Alba Cecilia Garzon (Colombia)

Prof. Montserrat Blanes (Paraguay)

Dr. Alba Cecilia Garzon (Colombia)

Dr. Wytze Oosterhuis (The Netherland)

Prof. Ellis Jacobs (US)

Prof. Ken Sikaris (Australia)

Prof. Ken Sikaris (Australia)

## **Language**

Spanish

Spanish

Portuguese, English  
Spanish, Italian

Spanish

Spanish, English

Portuguese, English  
Spanish, Italian

English

English

English

Italian, English

Italian, English

English

Spanish

Spanish, English  
Portuguese

Spanish

English

Italian, English

Spanish

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Spanish

Spanish

Spanish, English

Spanish

Spanish

Spanish

Spanish, English

Spanish, English

Finnish, English

Spanish

Spanish

Spanish, English

Spanish

Dutch, English

English

English

English

## **cont Quality Assurance**

- Understanding internal quality control
- Validation, Verification and Evaluation of qualitative methods according to the CLSI EP12 guidelines

## **❖ 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
- Lean method for the laboratory reference ranges intervals
- Paediatric Reference Intervals: Recent Advances and Challenges
- Reference Intervals harmonization
- Reference Intervals, method evaluation
- 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**

- Drugs of abuse
- Mass spectrometry in the TDM laboratory
- Mass spectrometry in the toxicology laboratory
- Multidrug resistance during chemotherapy, mechanisms involved
- Therapeutic drug monitoring
- Toxicology
- High resolution mass spectrometry for general unknown screens for clinical toxicology
- Toxicology

## **❖ Thyroid disease**

- Controversies in thyroid hormones
- Genotyping approach to thyroid hormone resistance
- Pre-analytical in thyroid hormone assessment
- Thyroid function Test Standardization
- Thyroid function tests

## **❖ Traceability and Standardisation**

- How to build traceability pyramids and how to verify using JCTLM
- Implementation of metrological traceability in laboratory medicine
- In vitro diagnostics and evolving regulatory challenges in laboratory medicine
- Standardisation in clinical enzymology
- Standardization of Cardiac Troponin I: process and progress

## **Suggested Speakers**

Prof. Ken Sikaris (Australia)  
Dr. Alba Cecilia Garzon (Colombia)

## **Language**

English  
Spanish

## **Suggested Speakers**

Dr Khosrow Adeli (Canada)  
Prof. Ken Sikaris (Australia)  
Prof. Ken Sikaris (Australia)  
Dr. Khosrow Adeli (Canada)  
Dr. Veronica Luzzi (US)  
Dr. Khosrow Adeli (Canada)  
Dr. Khosrow Adeli (Canada)  
Dr. Veronica Luzzi (US)  
Prof. Ken Sikaris (Australia)  
Prof. Ken Sikaris (Australia)  
Prof. Ken Sikaris (Australia)  
Prof. Ken Sikaris (Australia)

## **Language**

English  
English  
English  
English  
Spanish, English  
English  
English  
English  
Spanish, English  
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English

## **Suggested Speakers**

Dr. Veronica Luzzi (US)  
Dr. Steven Soldin (US)  
Dr. Steven Soldin (US)  
Prof. Tomris Ozben (Turkey)  
Dr. Alan Wu (US)  
Dr. Alan Wu (US)  
Dr. Alan Wu (US)  
Prof. Hedhili Abderrazek (TN)

## **Language**

Spanish, English  
German, English  
German, English  
Turkish, English  
English  
English  
English  
French, English

## **Suggested Speakers**

Prof. Montserrat Blanes (Paraguay)  
Prof. Christopher Florkowski (NZ)  
Prof. Montserrat Blanes (Paraguay)  
Prof. Montserrat Blanes (Paraguay)  
Dr. Damien Gruson (Belgium)

## **Language**

Spanish, English  
English  
Spanish, English  
Spanish, English  
French, English

## **Suggested Speakers**

Dr. Alba Cecilia Garzon (Colombia)  
Prof. Mathias Mueller (Austria)  
Prof. Tomris Ozben (Turkey)  
Prof. Mauro Panteghini (Italy)  
Prof. Robert Christenson (US)

## **Language**

Spanish  
German, English  
Turkish, English  
Italian, English  
English

**cont Traceability and Standardisation**

- Theory of reference measurement systems and assays
- Traceability and Harmonization of Clinical Laboratory Tests and effects of the new European In Vitro Diagnostic Regulation (IVDR)
- Traceability and the HbA1c Project
- Traceability and reference materials
- Traceability and reference materials
- Traceability in Laboratory Medicine: IVD Directives and IVD Regulations
- Traceability
- Traceability

**❖ Transplantation**

- Post transplant hyperlipidemia in kidney transplant patients
- Transplantation biochemistry
- Transplantation

**Suggested Speakers**

Prof. Mauro Panteghini (Italy)  
Prof. Tomris Ozben (Turkey)

Dr. Herbert Stekel (Austria)  
Dr. Melina Perez-Urquiza (Mexico)  
MSc. Ana Maria Piana (Uruguay)  
Prof. Tomris Ozben (Turkey)  
Bioq. Gabriel Migliarino (Argentina)  
MSc. Raul Girardi (Argentina)

**Language**

Italian, English  
Turkish, English

German, English  
Spanish  
Spanish, English  
Turkish, English  
Spanish  
Spanish

**Suggested Speakers**

Prof. Tomris Ozben (Turkey)  
Prof. Mathias Mueller (Austria)  
Prof. Sergio Bernardini (Italy)

**Language**

Turkish, English  
German, English  
Italian, English, French