

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 Garzon (Colombia)	Spanish
Dr. Alba Cecilia Garzon (Colombia)	Spanish
Dr. Gabriel Lima-Oliveira (Brazil)	Portuguese, English, Spanish, Italian
Dr. Alba Cecilia Garzon (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 Garzon (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 O₂ 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

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)

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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
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Turkish, English
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English
English, Danish
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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
- 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

English
Italian, English
Italian, English
English
Spanish

❖ Covid- 19

- Molecular, Biochemical and Serological Testing of COVID-19
- Pathophysiology of COVID-19 and Mechanisms Underlying Progression to Death

❖ 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)
- Post-prandial Dyslipidemia in Obesity & Insulin Resistance
- 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

Suggested Speakers

Dr. Khosrow Adeli (Canada)
Dr. Khosrow Adeli (Canada)

Language

English
English

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

Prof. Philippe Gillery (France)
Dr. Khosrow Adeli (Canada)
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

❖ Emerging technologies

- A new era of Communication in Medical Diagnostics & Clinical Laboratory Medicine
- Artificial intelligence
- Big data
- E-health
- Electronic Apps and Medical Diagnostics Data Management
- Emerging technologies and chronic diseases
- Mobile health
- Mobile health and digitalization
- Technological advances in Laboratory Medicine: Predicting the Lab of the Future

❖ 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 overdetection in laboratory medicine
- Study design and quality of evidence for diagnostic tests

Suggested Speakers

Dr. Khosrow Adeli (Canada)
Dr. Bernard Gouget (France)
Dr. Bernard Gouget (France)
Dr. Bernard Gouget (France)
Dr. Khosrow Adeli (Canada)
Dr. Damien Gruson (Belgium)
Dr. Bernard Gouget (France)
Dr. Damien Gruson (Belgium)
Dr. Khosrow Adeli (Canada)

Language

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

❖ External Quality Assessment

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

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

Prof. Sverre Sandberg (Norway)

Prof. Sverre Sandberg (Norway)

Language

Spanish, English
Spanish, English
Spanish
Spanish
Spanish
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)

Language

Spanish, English

❖ 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
- 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 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

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)
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)
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)

Language

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

cont Laboratory Management

- 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)
- 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: fasting or non-fasting lipid profiles
- Lipid and Lipoprotein Metabolism and Physiology

Suggested Speakers

MSc Patricia Hernandez (Mexico)
Q. Victor Baltazar (Mexico)
Q. Daniel Razo (Mexico)
Dr. Juan Manuel Vargas-Morales (Mexico)
MD Jose Jara Aguirre (Peru)

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

Spanish
Spanish
Spanish
Spanish
Spanish
Italian, English
Spanish, English
Finnish, English
English
German, English
Spanish, English
Turkish, English
English
English
Italian, English
Spanish, English
Spanish
Finnish, English
English
Spanish
Spanish
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)

Language

Turkish, English

French, English
English
English
English

cont Lipids

- Lipids and lipoproteins
- Lipid Lowering Therapies: Statins, Fibrates, and PCSK9 Inhibitors
- Measurements in lipoprotein subclasses
- Neuroendocrine Regulation of Lipid and Lipoprotein Metabolism
- 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

- 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

Suggested Speakers

Dr. Isela Parra (Mexico)
Dr. Khosrow Adeli (Canada)
Dr. Veronica Luzzi (US)
Dr. Khosrow Adeli (Canada)
Prof. Ian Young (UK)

Language

Spanish
English
Spanish, English
English
English

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
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

cont Nutrition

- 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

❖ 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

- Biochemical Genetics in Functional Diagnosis of Inborn Errors of Metabolism
- 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

Suggested Speakers

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

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

Language

French, English
Turkish, English

English
English
English

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)
Prof. Tomris Ozben (Turkey)

Turkish, English
Turkish, English
Turkish, English
English
Turkish, 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. 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)

Language

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

cont Paediatric and Adolescent Clinical Biochemistry

- 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

❖ 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

Suggested Speakers

Dr. Juan Manuel Vargas-Morales (Mexico)

Dr. Khosrow Adeli (Canada)

Dr. Alan Wu (US)

Language

Spanish

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

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)

Language

Spanish

Norwegian, Danish,

Swedish, English

English

Spanish

French, English

English

French, English

Norwegian, Danish

Swedish, English

English

English

Spanish

German, English

English

Spanish

Spanish

English

French, English

French, English

cont Point of care testing

- 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
-
- 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

Suggested Speakers

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)

Prof. Sverre Sandberg (Norway)

Prof. Sverre Sandberg (Norway)

Prof. Sverre Sandberg (Norway)

Dr. Ellis Jacobs (US)

Dr. Ellis Jacobs (US)

Dr Ellis Jacobs (US)

Suggested Speakers

Prof. Sverre Sandberg (Norway)

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)

Suggested Speakers

Prof. Mathias Mueller (Austria)

Suggested Speakers

Dr. Ed Randell (Canada)
Dr. Alba Cecilia Garzon (Colombia)
Dr. Alba Cecilia Garzon (Colombia)

Language

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

Language

Norwegian, Danish,
Swedish, English

Language

English
Turkish, English
Turkish, English
Turkish, English

Turkish, English

Turkish, English

Turkish, English

Language

German, English

Language

English
Spanish
Spanish

cont **Quality Assurance**

- 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
- 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

Suggested Speakers

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 Garzon (Colombia)

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)

Language

Spanish, English
Spanish
Norwegian, Danish, Swedish, English
Portuguese, English
Spanish, Italian
Spanish

Spanish
Spanish

Spanish

Spanish

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

cont Quality Assurance

- 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
- 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

Suggested Speakers

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

Language

Spanish, English
Finnish, English
Spanish
Spanish
Spanish, English
Spanish
Dutch, English
English
English

English
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
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Spanish, English
English
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English
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

❖ **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
- 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. 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)
Prof. Mauro Panteghini (Italy)
Prof. Tomris Ozben (Turkey)

Language

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

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)

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

