

## 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.

<b>CATEGORY</b>	<b>TOPICS</b>	<b>SUGGESTED SPEAKERS</b>	<b>COUNTRY</b>	<b>LANGUAGE</b>
Accreditation	Challenges in the process of implementation of ISO 15189	Dr. Alba Cecilia Garzon	Colombia	Spanish
Accreditation	Essential audit criteria of ISO 15189, which I should know and are not in the Standard	Dr. Alba Cecilia Garzon	Colombia	Spanish
Accreditation	Guidelines for blood collection	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English, Spanish, Italian
Accreditation	Impact of ISO 15189 Accreditation on patient safety	Dr. Alba Cecilia Garzon	Colombia	Spanish
Accreditation	ISO 15189	Dr. Bernard Gouget	France	French, English
Accreditation	ISO 15189, Audits	MT Leverton Ortiz	Chile	Spanish
Accreditation	ISO 15189, Audits	Prof. Montserrat Blanes	Paraguay	Spanish, English
Accreditation	ISO 15189, Audits	Bioq. Christina Herrera	Chile	Spanish
Accreditation	ISO 15189, Audits	Bioq. Roberto Carboni	Chile	Spanish
Accreditation	ISO 15189, Audits	MSc. Thamara Andrade	Ecuador	Spanish
Accreditation	ISO 15189, Audits	Dr.M.del Carmen Pasquel Carrera	Ecuador	Spanish
Accreditation	ISO 15189 accreditation of medical laboratories	Dr. Milena Monari	Chile	Spanish, English
Accreditation	ISO 15189 accreditation of medical laboratories	Dr. Rosa Sierra-Amor	Mexico	Spanish, English
Accreditation	ISO 15189 accreditation of medical laboratories	Dr.M.del Carmen Pasquel Carrera	Ecuador	Spanish
Accreditation	ISO 15189 accreditation of medical laboratories	Prof. Mario Plebani	Italy	Italian, English
Accreditation	ISO 15189 accreditation of medical laboratories	MT Leverton Ortiz	Chile	Spanish
Accreditation	ISO 15189 accreditation of medical laboratories	Prof. Pradeep K Dabla	India	English
Accreditation	ISO 15189, ISO 9001	MSc. Patricia Hernandez	Mexico	Spanish
Accreditation	ISO 15189, Method Evaluation and Quality Management	Dr. Sandra Quintana	Mexico	Spanish
Accreditation	ISO 15189 accreditation of medical laboratories and blood banks	ME. Jezabel Vite	Mexico	Spanish
Accreditation	ISO 15189 - Documentation, policies, plans, processes, procedures and records	Dr. Herbert Stekel	Austria	German, English
Accreditation	ISO 15189 - Documentation, policies, plans, processes, procedures and records	Dr.M.del Carmen Pasquel Carrera	Ecuador	Spanish
Accreditation	ISO 15189 - Documentation, policies, plans, processes, procedures and records	MT Leverton Ortiz	Chile	Spanish
Accreditation	ISO 15189 - Pre examination, examination and post examination processes	Dr. Herbert Stekel	Austria	German, English

Accreditation	ISO 15189 - Pre examination, examination and post examination processes	MT Leverton Ortiz	Chile	Spanish
Accreditation	ISO 15189 - Planning process and implementation	Dr.M.del Carmen Pasquel Carrera	Ecuador	Spanish
Accreditation	ISO 15189 accreditation of medical testing laboratories	Prof. Paivi Laitinen	Finland	Finnish, English
Accreditation	ISO 22870	Dr. Bernard Gouget	France	French, English
Accreditation	ISO 22870 - POCT and responsibility of the laboratory	Dr. Herbert Stekel	Austria	German, English
Accreditation	ISO 15189 Accreditation: costs and benefits	Prof. Ken Sikaris	Australia	English
Accreditation	ISO 20658:2017	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English, Spanish, Italian
Accreditation	Laboratory accreditation audits	Q. Victor Baltazar	Mexico	Spanish
Accreditation	Preanalytical errors	MD Abraham Marcel	Cuba	Spanish, English
Accreditation	Quality systems	Dr. Veronica Luzzi	US	Spanish, English
Accreditation	Risk Management and its implementation in ISO 15189	Dr. Alba Cecilia Garzon	Colombia	Spanish
Accreditation	The assessment process	Dr. Herbert Stekel	Austria	German, English
Accreditation	Total quality management of medical & molecular laboratories	Prof. Pradeep K Dabla	India	English
Accreditation	Accreditation of Hematopoietic Progenitor Cell Bank	MSc. Patricia Hernandez	Mexico	Spanish
Accreditation	Accreditation Medical Laboratory Management	MSc. Patricia Hernandez	Mexico	Spanish
Analytical chemistry	Analytical Chemistry	Prof. Sergio Bernardini	Italy	Italian, English,
Analytical chemistry	Analytical Methods evaluation/verification	Dr. Veronica Luzzi	US	Spanish, English
Analytical chemistry	HPLC	Bioq Eduardo Aranda	Chile	Spanish
Autoimmunity	ANA HEp-2 cytoplasmic patterns – recognition on the microscope	Dr. Carlos A. von Mühlen	US	English, Spanish,
Autoimmunity	ANA testing in "real life"	Dr. Maria Infantino	Italy	Italian, English
Autoimmunity	ANCA--associated vasculitis – diagnostic guidelines and critical analysis of the laboratory assays	Dr. Carlos a. von Mühlen	US	English, Spanish, Portuguese
Autoimmunity	Anti Ro52 reactivity is an independent and additional serum marker in	Dr. Edward K.L. Chan	US	English
Autoimmunity	Autoantibodies as tools for cellular and molecular research	Dr. Edward K.L. Chan	US	English
Autoimmunity	Autoantibodies in systemic inflammatory rheumatic diseases: an update on what is new and important	Dr. Carlos A. von Mühlen	US	English, Spanish, Portuguese
Autoimmunity	Autoantibody standardization committee: How do we make old and new ANA standards	Dr. Edward K.L. Chan	US	English
Autoimmunity	Biomarkers of subcutaneous calcinosis in systemic sclerosis and inflammatory myopathies	Dr. Carlos A. von Mühlen	US	English, Spanish, Portuguese

Autoimmunity	Bringing the autoimmunity lab and the clinician together – how to bridge the extremes	Dr. Carlos A. von Mühlen	US	English, Spanish, Portuguese
Autoimmunity	Dense fine speckled ANA IIF pattern (AC-2) and anti-DFS70 antibodies: cleaning up the current concepts	Dr. Maria Infantino	Italy	Italian, English
Autoimmunity	ICAP Consensus in ANA Reporting: everything you need to know	Dr. Carlos A. von Mühlen	US	English, Spanish, Portuguese
Autoimmunity	Immunobiology of subcellular autoantigenic rods/rings structures (IMPDH filaments)	Dr. Edward K.L. Chan	US	English
Autoimmunity	International Consensus of ANA Patterns: how to interpret findings	Dr. Carlos A. von Mühlen	US	English, Spanish,
Autoimmunity	Serum calprotectin: what do we have to know?	Dr. Maria Infantino	Italy	Italian, English
Autoimmunity	Subcellular rods/rings as targets of autoantibodies in HCV therapy	Dr. Edward K.L. Chan	US	English
Autoimmunity	The new era of the ICAP nomenclature: an Italian experience	Dr. Maria Infantino	Italy	Italian, English
Autoimmunity	The long road and the experience from the Brazilian Consensus in HEp-2 Patterns to ICAP	Dr. Carlos A. von Mühlen	US	English, Spanish, Portuguese
Autoimmunity	The current status of the International Consensus on Anti-nuclear antibody Patterns (ICAP) and future directions	Dr. Edward K.L. Chan	US	English
Autoimmunity	Update on autoantibodies in idiopathic inflammatory myopathies	Dr. Carlos A.von Mühlen	US	English, Spanish, Portuguese
Biological variations	How to establish biological variation data	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Biological variations	How to use biological variation data to 1) set performance specifications 2)monitor patients 3)generate personal reference	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Blood Gas	Blood Gas	Prof. Sergio Bernardini	Italy	Italian, English,
Blood Gas	Blood Gases and emergency	Dr. Bernard Gouget	France	French, English
Blood Gas	Evolution of Blood Gas Analysis – Acid-Base Balance and Practical Applications of the Acid-Base Chart	Dr. Ellis Jacobs	US	English
Blood Gas	Evolution of Blood Gas Analysis – Acid-Base Balance and Applications of the Acid-Base Chart	Prof. Montserrat Blanes	Paraguay	Spanish, English
Blood Gas	Evolution of Blood Gas Analysis – Focusing on the Source of Impaired	Dr Ellis Jacobs	US	English
Blood Gas	New biosensors	Dr. Bernard Gouget	France	French, English
Blood Gas	New devices	Dr. Bernard Gouget	France	French, English
Blood Gas	New technologies (in vitro, ex vivo and in vivo)	Dr. Bernard Gouget	France	French, English
Blood Gas	Pathophysiology of blood gases	Dr. Bernard Gouget	France	French, English

Blood Gas	Value of Point of Care Blood Gas Testing	Dr Ellis Jacobs	US	English
Bone, Calcium and Vitamin D Metabolism	Assessment of mineral bone metabolism and vitamin D in adult	Prof. Montserrat Blanes	Paraguay	Spanish, English
Bone, Calcium and Vitamin D Metabolism	Bone calcium and Vitamin D Metabolism	Prof. Sergio Bernardini	Italy	Italian, English, French
Bone, Calcium and Vitamin D Metabolism	Bone calcium and Vitamin D Metabolism	Prof. Pradeep K Dabla	India	English
Bone, Calcium and Vitamin D Metabolism	Vitamin D metabolism and impact on health	Prof. Edgard Delvin	Canada	French, English
Bone, Calcium and Vitamin D Metabolism	Vitamin D Assays	Dr. Rosa Sierra-Amor	Mexico	Spanish, English
Bone, Calcium and Vitamin D Cancer	Vitamin D Basic informatics for molecular cancer profiling	Dr. Veronica Luzzi Prof. Paolo Fortina	US US	Spanish, English Italian, English
Cancer	An update on tumor markers from the general aspects to their clinical uses	Prof. Tomris Ozben	Turkey	Turkish, English
Cancer Cancer	Basic principles of epigenetics and epigenetic regulation in cancer Cancer biomarkers	Prof. Tomris Ozben Prof. Eleftherios Diamandis	Turkey Canada	Turkish, English English
Cancer	Circulating tumor DNA: A promising biomarker in the liquid profiling of cancer	Prof. Maurizio Ferrari	Italy	Italian, English
Cancer Cancer Cancer	Circulating tumor DNA: current analytical validity, clinical validity and Clinical applications of cancer molecular biomarkers Clinical applications of cancer molecular biomarkers	Prof. Maurizio Ferrari Prof. Paolo Fortina Prof. Maurizio Ferrari	Italy US Italy	Italian, English Italian, English Italian, English
Cancer Cancer Cancer Cancer Cancer	Blood and non-blood sources of cell-free DNA (cfDNA) in cancer From traditional tumour markers to liquid biopsy Human b in CG Interpreting tumour marker results Implementing cancer molecular profiling	Prof. Tomris Ozben Prof. Tomris Ozben Dr. Veronica Luzzi Prof. Ken Sikaris Prof. Paolo Fortina	Turkey Turkey US Australia US	Turkish, English Turkish, English Spanish, English English Italian, English
Cancer	Likelihood ratios - a more informative way of reporting laboratory results: studies with tumour markers	Prof. Christopher Florkowski	NZ	English
Cancer	Integrated diagnostics: evidence-based therapy guidance in oncology	Prof. Tomris Ozben	Turkey	Turkish, English

Cancer	Liquid biopsy: Circulating free DNA (cfDNA) and Circulating Tumour Cells (CTC) as Novel Biomarkers	Prof. Tomris Ozben	Turkey	Turkish, English
Cancer	Liquid profiling assays in the era of precision oncology: Current status of assay limitations and future development	Prof. Tomris Ozben	Turkey	Turkish, English
Cancer	Methods to measure tumor markers. Clinical uses of tumor markers	Prof. Tomris Ozben	Turkey	Turkish, English
Cancer	PSA and other members of the kallikrein family	Prof. Eleftherios Diamandis	Canada	English
Cancer	Seminal Cell-Free DNA Assessment as a Novel Prostate Cancer	Prof. Tomris Ozben	Turkey	Turkish, English
Cancer	Tumour marker reference intervals	Prof. Ken Sikaris	Australia	English
Cancer	Understanding PSA refinements: age related reference intervals F/T PSA ratio and PSA doubling time	Prof. Ken Sikaris	Australia	English
Cardiovascular Biochemistry	Assay-related issues in the measurement of cardiac troponins and	Prof. Mauro Panteghini	Italy	Italian, English
Cardiovascular Biochemistry	Cardiovascular biomarkers	Prof. Mair Johannes	Austria	German, English
Cardiovascular Biochemistry	Cardiovascular biomarkers	Dr. Damien Gruson	Belgium	French, English
Cardiovascular Biochemistry	Biomarkers based management of acute coronary syndromes and	Prof. Mair Johannes	Austria	German, English
Cardiovascular Biochemistry	Biomarkers of Heart Failure	Dr. Damien Gruson	Belgium	French, English
Cardiovascular Biochemistry	Biomarkers of myocardial infarction	Dr. Damien Gruson	Belgium	French, English
Cardiovascular Biochemistry	Cardiac Biomarkers: an evidence based approach to utilization	Prof. Robert Christenson	US	English
Cardiovascular Biochemistry	Cardiac Biomarkers: all analytical & clinical topics	Prof. Fred Apple	US	English
Cardiovascular Biochemistry	Cardiovascular biomarkers assessment & its implications	Prof. Pradeep K Dabla	India	English
Cardiovascular Biochemistry	Cardiac markers in chronic kidney disease	Dr. Paul Collinson	UK	English
Cardiovascular Biochemistry	Cardiovascular biomarkers	Prof. Fred Apple	US	English
Cardiovascular Biochemistry	Cardiovascular disease: Pathophysiology and Laboratory Assessment	Dr. Khosrow Adeli	Canada	English
Cardiovascular Biochemistry	Potential risk predictors for cardiovascular diseases in patients with	Prof. Tomris Ozben	Turkey	Turkish, English
Cardiovascular Biochemistry	Coronary heart disease biomarkers	Dr. Nader Rifai	US	English
Cardiovascular Biochemistry	CRP and inflammatory markers	Dr. Nader Rifai	US	English
Cardiovascular Biochemistry	Diagnosing myocardial injury and myocardial infarction	Prof. Kristian Thygesen	Denmark	English, Danish
Cardiovascular Biochemistry	Evidence based cardiac biomarker testing	Dr. Paul Collinson	UK	English
Cardiovascular Biochemistry	High sensitivity troponin for early MI rule out	Dr. Alan Wu	US	English
Cardiovascular Biochemistry	High-sensitivity troponin: rule-in and rule-out strategies	Prof. Mario Plebani	Italy	Italian, English
Cardiovascular Biochemistry	Ischemia-modified albumin	Dr. Paul Collinson	UK	English
Cardiovascular Biochemistry	Natriuretic Peptides in Heart Failure	Dr. Ellis Jacobs	US	English
Cardiovascular Biochemistry	Natriuretic peptide measurement: current use, future promise	Prof. Robert Christenson	US	English

Cardiovascular Biochemistry	Novel biomarkers of cardiac risk and management	Prof. Robert Christenson	US	English
Cardiovascular Biochemistry	Novel biomarkers for acute cardiovascular disease	Dr. Alan Wu	US	English
Cardiovascular Biochemistry	Rapid rule in and out using cardiac biomarkers	Dr. Paul Collinson	UK	English
Cardiovascular Biochemistry	The basics of cardiac biomarker interpretation	Prof. Mauro Panteghini	Italy	Italian, English
Cardiovascular Biochemistry	Understanding the relationship between cholesterol and insulin resistance.	Prof. Ken Sikaris	Australia	English
Cerebrospinal Fluid	CSF bilirubin, xanthochromia and detection of subarachnoid haemorrhage	Prof. Christopher Florkowski	NZ	English
Cerebrospinal Fluid	Cerebrospinal fluid	Prof. Sergio Bernardini	Italy	Italian, English,
Cerebrospinal Fluid	Cerebrospinal fluid and infections diseases	MsC Carmen Melchor	Mexico	Spanish
Chronic Kidney Disease	Diagnostic proteomic markers to detect kidney diseases	Prof. Tomris Ozben	Turkey	Turkish, English
Chronic Kidney Disease	Estimating glomerular filtration rate from serum creatinine measurements: analytical issues and standardisation programs	Prof. Mauro Panteghini	Italy	Italian, English
Chronic Kidney Disease	Urinary proteomics in biomarker discovery of kidney-related disorders: diabetic nephropathy and drug-induced nephrotoxicity	Prof. Tomris Ozben	Turkey	Turkish, English
Chronic Kidney Disease	Protein carbamylation and carbamylation derived	Prof. Philippe Gillery	FR	French, English
Clinical Usefulness of Analytes	Clinical utility to laboratory reports	Dr. Wytze Oosterhuis	The Netherlands	Dutch, English
Clinical Usefulness of Analytes	Coenzyme Q10 - evidence base for a clinically useful analyte	Prof. Christopher Florkowski	NZ	English
Clinical Usefulness of Analytes	C.difficile and Antimicrobial Stewardship	Dr. Ellis Jacobs	US	English
Clinical Usefulness of Analytes	Hepatopathies in patients with dengue	Prof. Montserrat Blanes	Paraguay	Spanish
Clinical Usefulness of Analytes	Hemostasia, platelets function	Bioq Eduardo Aranda	Chile	Spanish
Clinical Usefulness of Analytes	Is this assay clinically useful - the paradigm of natriuretic peptides	Prof. Christopher Florkowski	NZ	English
Clinical Usefulness of Analytes	Iron Metabolism	Dr. Herbert Stekel	Austria	German, English
Clinical Usefulness of Analytes	Public Health & Hospital Administration, Sciences Communication,	Dr Juana Ortellado de Canese	Paraguay	Spanish, English
Clinical Usefulness of Analytes	Value and Impact of Laboratory Medicine in Healthcare	Dr. Khosrow Adeli	Canada	English
Clinical Usefulness of Analytes	Value and Impact of Laboratory Medicine for human health	Prof. Maurizio Ferrari	Italy	Italian, English
Clinical Usefulness of Analytes	Value and Impact of molecular testing	Prof. Maurizio Ferrari	Italy	Italian, English
Clinical Usefulness of Analytes	Why Knowing Now Matters in the ED	Dr. Ellis Jacobs	US	English
Clinical Usefulness of Analytes	Zica Virus update in Latin America	Prof. Montserrat Blanes	Paraguay	Spanish
Covid- 19	Biomarkers associate with COVID 19 disease progression	Prof. Tomris Ozben	Turkey	English
Covid- 19	Molecular, Biochemical and Serological Testing of COVID-19	Dr. Khosrow Adeli	Canada	English

Covid- 19	Pathophysiology of COVID-19 and Mechanisms Underlying Progression to Death	Dr. Khosrow Adeli	Canada	English
Cytokines Cytokines	Cybernetics of cytokines and chemokines: pathophysiology and Leptin and adiponectin in insulin resistance	Prof. Christopher Lam Prof. Edgard Delvin	Hong Kong Canada	English French, English
Cytokines	Physiology and Laboratory Assessment of Cytokines and Chemokines	Dr. Khosrow Adeli	Canada	English
Diabetes, Insulin Resistance and Metabolic Syndrome	AGE Biomarkers & Adipokines	Prof. Pradeep K Dabla	India	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Controversies in thyroid hormones	Prof. Montserrat Blanes	Paraguay	Spanish
Diabetes, Insulin Resistance and Metabolic Syndrome	IFCC recommendation on reporting results for blood glucose & sources of error in glucose POCT	Dr. Ellis Jacobs	US	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Diabetes: metabolic and genetic characteristics related-Lipids	Dr. Julio Lara	Mexico	Spanisch
Diabetes, Insulin Resistance and Metabolic Syndrome	Diabetes mellitus (markers, HbA1c, advanced glycation end products)	Prof. Philippe Gillery	France	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Diabetes and the role of the Laboratory	Dr. Herbert Stekel	Austria	German, English
Diabetes, Insulin Resistance and Metabolic Syndrome	Diabetes is an Intestinal Disease: Reversal of Diabetes by Bariatric Surgery	Dr. Khosrow Adeli	Canada	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Diabetes Management of the Point of Care	Dr. Ellis Jacobs	US	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Diabetes: testing and autoantibodies	Dr. Damien Gruson	Belgium	French, English
Diabetes, Insulin Resistance and Metabolic Syndrome	eAG and the correlation of HbA1c and glucose	Prof. Ken Sikaris	Australia	English
Diabetes, Insulin Resistance and Metabolic Syndrome	HbA1c for screening and diagnosis of diabetes	Prof. Ken Sikaris	Australia	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Insuline resistance Type 2 Diabetes	Dr Miguel Cruz	Mexico	Spanish, English
Diabetes, Insulin Resistance and Metabolic Syndrome	Laboratory assessment of insulin resistance	Dr. Khosrow Adeli	Canada	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Leptin and adiponectin in insulin resistance	Prof. Edgard Delvin	Canada	French, English

Diabetes, Insulin Resistance and Metabolic Syndrome	Metabolic syndrome in adolescent children and adults	Prof. Montserrat Blanes	Paraguay	Spanish, English
Diabetes, Insulin Resistance and Metabolic Syndrome	Pediatric obesity, prediabetes and metabolic syndrome	Dr. Khosrow Adeli	Canada	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Pathophysiology of diabetic dyslipidemia	Dr. Julio Lara	Mexico	Spanish
Diabetes, Insulin Resistance and Metabolic Syndrome	POC testing for monitoring and diagnosing diabetes mellitus	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Diabetes, Insulin Resistance and Metabolic Syndrome	Post-translational modification of proteins (glycation - glycooxidation - carbamylation)	Prof. Philippe Gillery	France	French, English
Diabetes, Insulin Resistance and Metabolic Syndrome	Post-prandial Dyslipidemia in Obesity & Insulin Resistance	Dr. Khosrow Adeli	Canada	English
Diabetes, Insulin Resistance and Metabolic Syndrome	Self-monitoring of blood glucose	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Diabetes, Insulin Resistance and Metabolic Syndrome	Small dense Low-Density Lipoprotein as Biomarker for Atherosclerotic Diseases	Dr. Julio Lara	Mexico	Spanish
Diabetes, Insulin Resistance and Education and communication	The metabolic syndrome in youth and polymorphic genes	Prof. Edgard Delvin	Canada	French, English
Education and communication	Online education	Dr. Eduardo Freggiaro	Argentina	Spanish, English
	IT and new technologies of information and communication	Dr. Eduardo Freggiaro	Argentina	Spanish, English
Emerging technologies	A new era of Communication in Medical Diagnostics & Clinical	Dr. Khosrow Adeli	Canada	English
Emerging technologies	Artificial intelligence	Dr. Bernard Gouget	France	French, English
Emerging technologies	Big data	Dr. Bernard Gouget	France	French, English
Emerging technologies	Data mining	Prof. Pradeep K Dabla	India	English
Emerging technologies	E-health	Dr. Bernard Gouget	France	French, English
Emerging technologies	Electronic Apps and Medical Diagnostics Data Management	Dr. Khosrow Adeli	Canada	English
Emerging technologies	Emerging technologies and chronic diseases	Dr. Damien Gruson	Belgium	French, English
Emerging technologies	Artificial Intelligence & its applications in Cardiovascular Diseases,	Prof. Pradeep K Dabla	India	English
Emerging technologies	Mobile health	Dr. Bernard Gouget	France	French, English
Emerging technologies	Mobile health and digitalization	Dr. Damien Gruson	Belgium	French, English
Emerging technologies	Mobile Health Technologies & Sustainability	Prof. Pradeep K Dabla	India	English
Emerging technologies	Single Cell and Multiomics	Prof. Paolo Fortina	US	Italian, English
Emerging technologies	Technological advances in Laboratory Medicine: Predicting the Lab of	Dr. Khosrow Adeli	Canada	English
Ethics	Bioethics in Lab Med	Dr. Bernard Gouget	France	French, English



Ethics	Ethics	Prof. Nilda Fink	Argentina	Spanish, English
Ethics	Ethics and AI	Dr. Bernard Gouget	France	French, English
Ethics	Ethics and medically assisted reproduction	Dr. Bernard Gouget	France	French, English
Ethics	Ethics and regulations	Dr. Bernard Gouget	France	French, English
Ethics	Ethics in laboratory medicine	Prof. Mario Plebani	Italy	Italian, English
Ethics	Ethics in Medical Research	Prof. Montserrat Blanes	Paraguay	Spanish, English
Evidence-Based Laboratory Medicine	Evaluation of new biomarkers	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Evidence-based guidelines in laboratory medicine	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Evidence-based guidelines in laboratory medicine	Bioq Hernan Fares-Taie	Argentina	Spanish, English
Evidence-Based Laboratory Medicine	Evidence in action - using evidence in practice	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Evidence-Based Laboratory Medicine on clinical usefulness of laboratory tests	Dr. Hernan Fares-Taie	Argentina	Spanish, English
Evidence-Based Laboratory Medicine	Evidence-Based Laboratory Medicine: one to four day workshop	Prof. Robert Christenson	US	English
Evidence-Based Laboratory Medicine	Evidence-Based Laboratory Medicine: practical examples of benefit	Prof. Robert Christenson	US	English
Evidence-Based Laboratory Medicine	Evidence-Based Laboratory Medicine: principles and promise	Prof. Robert Christenson	US	English
Evidence-Based Laboratory Medicine	Evidence-based monitoring	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Harmonization of critical risk result management	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	How to design alert lists of critical risk results	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	How to (re)define disease definitions using laboratory tests	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Introduction to Evidence-Based Laboratory Medicine	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Introduction to Evidence-Based Laboratory Medicine	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English

Evidence-Based Laboratory Medicine	Management of critical risk result communications	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory Medicine	Evidence-based Medicine and Point of Care Testing	Dr. Ellis Jacobs	US	English
Evidence-Based Laboratory Medicine	Outcome-based performance specifications for laboratory tests	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory	Overdiagnosis and overdetection in laboratory medicine	Prof. Andrea Rita Horvath	Australia	Hungarian, English
Evidence-Based Laboratory	Study design and quality of evidence for diagnostic tests	Prof. Andrea Rita Horvath	Australia	Hungarian, English
External Quality Assessment	EQA/PT	Bact. Andreas Rothstein	Colombia	Spanish, English
External Quality Assessment	EQA/PT	Bioq Manuel Morejon	Cuba	Spanish, English
External Quality Assessment	EQA/PT	Q Daniel Razo	Mexico	Spanish
External Quality Assessment	EQA/PT	Dr. Juan Manuel Vargas-Morales	Mexico	Spanish
External Quality Assessment	EQA/PT	Dr. Alba Marina Garcia	Guatemala	Spanish
External Quality Assessment	External Quality Assessment in molecular diagnostics	Prof. Maurizio Ferrari	Italy	Italian, English
External Quality Assessment	How to set performance specifications for EQA	Prof. Sverre Sandberg	Norway	Norwegian, Danish,
External Quality Assessment	How to perform EQA/PT for POC instruments	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
External Quality Assessment	Value of Internal and External QC in POCT	Dr. Ellis Jacobs	US	English
External Quality Assessment	Why commutability matters in EQA/PT	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
HbA1c	Biochemistry, Hemoglobin Variants, Analytical Methods,	Dr. Cas Weykamp	The Netherlands	English
HbA1c	Biochemistry, Hemoglobin Variants, Analytical Methods, Standardisation, EQA/PT programmes, IFCC model for Quality targets	MSc Eduardo Rojano	Mexico	Spanish
HbA1c	HbA1c	MSc Eduardo Rojano	Mexico	Spanish
HbA1c	HbA1c: Analytical performance of the new enzymatic and	Dr. Khosrow Adeli	Canada	English
HbA1c	HbA1c for screening and diagnosis of diabetes	Prof. Ken Sikaris	Australia	English
HbA1c	HbA1c in clinical practice	Prof. Philippe Gillery	France	French, English
HbA1c	Hemoglobin HbA1c	Dr. Veronica Luzzi	US	Spanish, English
HbA1c	Pathophysiology of Diabetes and HbA1c Monitoring	Dr. Khosrow Adeli	Canada	English
HbA1c	POC testing for HbA1c	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English

Hypertension	Hypertension and the renin-aldosterone axis	Dr. Damien Gruson	Belgium	French, English
Immunochemistry	Immunochemistry	Prof. Sergio Bernardini	Italy	Italian, English,
Immunochemistry	Interferences with immunoassays	Dr. Damien Gruson	Belgium	French, English
Immunochemistry	Interferences in Clinical Chemistry and Immunochemistry Assays	MD Jose Jara Aguirre	Peru	Spanish, English
Immunochemistry	A practical investigation approach for detecting and solving the most	MD Jose Jara Aguirre	Peru	Spanish, English
Immunochemistry	Biotin and Immunoassays: The Good, The Bad and the Ugly	Dr. Ellis Jacobs	US	English
In Vitro Fertilisation	Examination and Processing of Human Semen	Dr Consuelo Valencia	Ecuador	Spanish, English
Laboratory Management	Appropriateness in test request and result interpretation	Prof. Mario Plebani	Italy	English, Italian
Laboratory Management	Architecture	Dr. Bernard Gouget	France	French, English
Laboratory Management	Autoverification of laboratory data	Dr. Ed Randell	Canada	English
Laboratory Management	Basic problem solving in laboratory management	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Biological variation	Dr. Alan Wu	US	English
Laboratory Management	Blood Bank	ME Jezabel Vite	Mexico	Spanish
Laboratory Management	Clinical Decision Support for test requesting	Prof. Ken Sikaris	Australia	English
Laboratory Management	Clinical Decision Support for test requesting	Prof. Montserrat Blanes	Paraguay	Spanish, English
Laboratory Management	Continuous process improvement	Dr. Ed Randell	Canada	English
Laboratory Management	Core Processes in the Laboratory	Dr. Herbert Stekel	Austria	German, English
Laboratory Management	Data mining as a laboratory management tool	Prof. Ken Sikaris	Australia	English
Laboratory Management	Developing laboratory leadership skills	Dr. Ed Randell	Canada	English
Laboratory Management	Economy	Dr. Bernard Gouget	France	French, English
Laboratory Management	Essential leadership management	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Extra analytical performance characteristics	Prof. Mario Plebani	Italy	Italian, English
Laboratory Management	Generate value in diagnostic tests Laboratory impact on medical decisions	Prof. Montserrat Blanes	Paraguay	Spanish, English
Laboratory Management	Guidelines for blood collection	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English,
Laboratory Management	Guidelines to assess assays performances (CLSI)	Dr. Laura Parnas	Argentina	Spanish, English
Laboratory Management	Guidelines to assess assays performances (CLSI)	Dr. Veronica Luzzi	US	Spanish, English
Laboratory Management	How to imagine the future of laboratory medicine	Prof. Maurizio Ferrari	Italy	Italian, English
Laboratory Management	How to set analytical performance specifications	Prof. Sverre Sandberg	Norway	Norwegian, Danish,
Laboratory Management	Lab commercial networks	Dr. Bernard Gouget	France	French, English
Laboratory Management	Laboratory accreditation audits	Q. Victor Baltazar	Mexico	Spanish
Laboratory Management	Laboratory automation system	Dr. Cristina Ures	Uruguay	Spanish
Laboratory Management	Lab Automation, Paediatric chemistry & Patient safety	Prof. Pradeep K Dabla	India	English

Laboratory Management	Laboratory Management	MSc Patricia Hernandez	Mexico	Spanish
Laboratory Management	Laboratory Management	MT Leverton Ortiz	Chile	Spanish
Laboratory Management	Laboratory Management and Patient Satisfaction	MSc. Rosario Vazquez	Mexico	Spanish
Laboratory Management	Laboratory Information Systems - The Basics	Dr. Herbert Stekel	Austria	German, English
Laboratory Management	Laboratory Stewardship	Prof. Mario Plebani	Italy	Italian, English
Laboratory Management	Laboratory tests formularies	Dr. Ed Randell	Canada	English
Laboratory Management	Learning Laboratory Processes	Prof. Paivi Laitinen	Finland	Finnish, English
Laboratory Management	Laboratory Management – Process Management - Quality policy and Objectives	MT Leverton Ortiz	Chile	Spanish
Laboratory Management	Laboratory Management – Process Management - Quality policy and Objectives area	Bioq. Roberto Carboni	Chile	Spanish
Laboratory Management	Management of preanalytical phase	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English, Spanish, Italian
Laboratory Management	Management of the cost of quality	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Management of preanalytical phase	MT Leverton Ortiz	Chile	Spanish
Laboratory Management	Management of interference in clinical laboratory analysis	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Measurement uncertainty	Dr. Herbert Stekel	Austria	German
Laboratory Management	Medical Laboratory Management	MSc Patricia Hernandez	Mexico	Spanish
Laboratory Management	Method comparison	Dr. Herbert Stekel	Austria	German
Laboratory Management	Method Evaluation	MSc Patricia Hernandez	Mexico	Spanish
Laboratory Management	Method Evaluation and Quality management	Q. Victor Baltazar	Mexico	Spanish
Laboratory Management	Method Evaluation and Quality assurance	Q. Daniel Razo	Mexico	Spanish
Laboratory Management	Method Evaluation and Quality management, Lab Management	Dr. Juan Manuel Vargas-Morales	Mexico	Spanish
Laboratory Management	Method Evaluation, Total Quality Management plan, Guidelines to assess assays performances (CLSI)	MD Jose Jara Aguirre	Peru	Spanish
Laboratory Management	Outcome evaluation	Prof. Mario Plebani	Italy	Italian, English
Laboratory Management	Patient safety	Prof. Montserrat Blanes	Paraguay	Spanish, English
Laboratory Management	Patient safety	MT Leverton Ortiz	Chile	Spanish
Laboratory Management	Planning Laboratory Automation	Prof. Paivi Laitinen	Finland	Finnish, English
Laboratory Management	Preanalytical variables for clinical laboratory tests	Dr. Alan Wu	US	English
Laboratory Management	Preanalytic Errors	Dr. Herbert Stekel	Austria	German, English
Laboratory Management	Professional exercise biochemical impact on clinical management	Prof. Montserrat Blanes	Paraguay	Spanish, English
Laboratory Management	Project management	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Project management	Dr. Ed Randell	Canada	English
Laboratory Management	Promotion of clinical laboratory testing to the general public	Dr. Alan Wu	US	English

Laboratory Management	Quality Indicators	Prof. Mario Plebani	Italy	Italian, English
Laboratory Management	Quality indicators	Dr. Milena Monari	Chile	Spanish, English
Laboratory Management	Quality indicators	Dr. Rosa Sierra-Amor	Mexico	Spanish
Laboratory Management	Quality issues in the laboratory	Prof. Paivi Laitinen	Finland	Finnish, English
Laboratory Management	Removal of antiquated clinical laboratory tests	Dr. Alan Wu	US	English
Laboratory Management	Small Dense Low-Density Lipoprotein as Biomarker for Atherosclerotic Diseases	MD Jose Jara Aguirre	Peru	Spanish
Laboratory Management	Strategic planning	Dr. Ed Randell	Canada	English
Laboratory Management	Strategic planning	Dr. Bernard Gouget	France	French, English
Laboratory Management	Strategic planning	MT Leverton Ortiz	Chile	Spanish
Laboratory Management	Technical problems influencing clinical interpretation	Prof. Montserrat Blanes	Paraguay	Spanish, English
Laboratory Management	Team management	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	The future of molecular biology in the diagnostic laboratories	Prof. Maurizio Ferrari	Italy	Italian, English
Laboratory Management	Quality indicators	MT Leverton Ortiz	Chile	Spanish
Laboratory Management	Quality management system set up	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Use of delta checks in medical laboratory	Prof. Sedef Yenice	Turkey	Turkish, English
Laboratory Management	Usefulness of External quality control / Proficiency testing	Prof. Sverre Sandberg	Norway	Swedish, English
Laboratory Management	Usefulness and external quality control/PT	MSc Ana Maria Piana	Uruguay	Spanish
Laboratory Management	Understanding extreme results and the definition critical limits	Prof. Ken Sikaris	Australia	English
Laboratory Management	Utilization management of laboratory services	Dr. Ed Randell	Canada	English
Lipids	Intestinal lipid absorption and metabolism	Prof. Edgard Delvin	Canada	French, English
Lipids	Intestinal lipid absorption and metabolism	Prof. Ian Young	UK	English
Lipids	Lipid Guidelines for Cardiovascular Risk Stratification: fasting or non-fasting lipid profiles	Dr. Khosrow Adeli	Canada	English
Lipids	Lipid and Lipoprotein Metabolism and Physiology	Dr. Khosrow Adeli	Canada	English
Lipids	Lipids and lipoproteins	Dr. Isela Parra	Mexico	Spanish
Lipids	Lipid Lowering Therapies: Statins, Fibrates, and PCSK9 Inhibitors	Dr. Khosrow Adeli	Canada	English
Lipids	Measurements in lipoprotein subclasses	Dr. Veronica Luzzi	US	Spanish, English
Lipids	Neuroendocrine Regulation of Lipid and Lipoprotein Metabolism	Dr. Khosrow Adeli	Canada	English
Lipids	Role of drugs and lifestyle in the management of dyslipidaemia	Prof. Ian Young	UK	English
Mass Spectrometry	Clinical Mass Spectrometry: Applications in Drug Monitoring, Endocrinology and Metabolism	Dr. Khosrow Adeli	Canada	English
Mass Spectrometry	Mass spectrometry in the endocrinology laboratory	Dr. Steven Soldin	US	German, English
Mass Spectrometry	Mass spectrometry in the therapeutic drug monitoring (TDM) laboratory	Dr. Steven Soldin	US	German, English

Mass Spectrometry	Mass spectrometry in the toxicology laboratory	Dr. Steven Soldin	US	German, English
Molecular Biology	Advanced molecular techniques for the diagnosis of Alzheimer disease	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Expanding space for Next Generation Sequencing diagnostics applications	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	From macro to nanotechnology: the future of laboratory medicine	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Gene Editing and CRISPR Cas9	Prof. Paolo Fortina	US	Italian, English
Molecular Biology	Iron metabolism genes and molecular diagnostics	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Liquid profiling: pre-analytical challenges	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Molecular autopsy: utility for cardiac arrhythmias	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Molecular Diagnostics & Point of Care Testing	Dr Ellis Jacobs	US	English
Molecular Biology	Molecular Diagnostics, Molecular Genetics	Prof. Jose Francisco Muñoz-Valle	Mexico	Spanish, English
Molecular Biology	Molecular Diagnostics	Dr. Isela Parra	Mexico	Spanish
Molecular Biology	Molecular diagnostics and point of care testing	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Molecular markers for cardiovascular diseases, epilepsy	Prof. Pradeep K Dabla	India	English
Molecular Biology	New trends in molecular diagnostics	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	NGS and beyond	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Non-invasive prenatal diagnosis by circulating nucleic acid analysis	Prof. Maurizio Ferrari	Italy	Italian, English
Molecular Biology	Quality assurance and molecular diagnosis	Prof. Maurizio	Italy	Italian, English
Molecular Biology	Utility of molecular testing in urology	Prof. Maurizio Ferrari	Italy	Italian, English
Nutrition	Data mining as a laboratory management tool	Prof. Ken Sikaris	Australia	English
Nutrition	Microbiotic and Nutrition	Dr Ana Burguete	Mexico	Spanish, English
Nutrition	Nutraceuticals - sources and benefits for human health	Dr. Edgar Delvin	Canada	French, English
Nutrition	Nutrient Sensing Mechanisms via Taste Receptors: Key Role in Control of Food Intake and Metabolism	Dr. Khosrow Adeli	Canada	English
Nutrition	Nutrition of the premature and term neonate	Prof. Edgard Delvin	Canada	French, English
Nutrition	The role of the laboratory in nutritional support	Prof. Ian Young	UK	English
Nutrition	The role of the laboratory in nutritional support	Prof. Ian Young	UK	English
Nutrition	Understanding vitamin B12 through measuring active B12	Prof Ken Sikaris	Australia	English
Obesity	The Obesity Epidemic: Understanding the cause, impacts and cure	Prof Ken Sikaris	Australia	English
Obesity	Obesity and Metabolic Syndrome	Dr. Ana Burguete	Mexico	Spanish, English
Obesity	Obesity and Metabolic Syndrome	Dr. Miguel Cruz	Mexico	Spanish, English
Obesity	Obesity and Metabolic Syndrome	Prof. Montserrat Blanes	Paraguay	Spanish, English
Obesity	Paediatric obesity and Metabolic Syndrome	Dr. Khosrow Adeli	Canada	English

Obesity	Paediatric Obesity and Metabolic Syndrome	Prof. Montserrat Blanes	Paraguay	Spanish, English
Oxidative Stress	Antioxidants - diet or supplements?	Prof. Ian Young	UK	English
Oxidative Stress	Laboratory assessment of oxidative stress	Prof. Ian Young	UK	English
Paediatric and Adolescent Clinical Biochemistry	Biochemical Genetics in Functional Diagnosis of Inborn Errors of Metabolism	Dr. Khosrow Adeli	Canada	English
Paediatric and Adolescent Clinical Biochemistry	Childhood obesity, prediabetes and metabolic syndrome	Dr. Khosrow Adeli	Canada	English
Paediatric and Adolescent Clinical Biochemistry	Childhood obesity, prediabetes and metabolic syndrome	Dr. Juan Manuel Vargas-Morales	Mexico	Spanish
Paediatric and Adolescent Clinical Biochemistry	Laboratorial manifestations in hyperandrogenism in pediatric	Prof. Montserrat Blanes	Paraguay	Spanish, English
Paediatric and Adolescent Clinical Biochemistry	Neonatal Screening	Prof Graciela Queiruga	Uruguay	Spanish
Paediatric and Adolescent Clinical Biochemistry	Neonatal Screening	MSc Isabel Ibarra	Mexico	Spanish, English
Paediatric and Adolescent Clinical Biochemistry	Inborn errors of metabolism	Prof Graciela Queiruga	Uruguay	Spanish
Paediatric and Adolescent Clinical Biochemistry	Paediatric Laboratory Medicine: Unique Challenges	Dr. Khosrow Adeli	Canada	English
Paediatric and Adolescent Clinical Biochemistry	Paediatric and adolescent clinical biochemistry: Childhood obesity,	Dr. Juan Manuel Vargas-Morales	Mexico	Spanish
Paediatric and Adolescent Clinical Biochemistry	Point of care testing in the paediatric setting	Dr. Khosrow Adeli	Canada	English
Paediatric and Adolescent Clinical Biochemistry	State of the art for pharmacogenomics	Dr. Alan Wu	US	English
Patient focused Laboratory Medicine	Reporting to patients:patients as costumers	Dr. Wytze Oosterhuis	The Netherlands	Dutch, English
Personalized Medicine	Technologies for personalized medicine	Prof. Paolo Fortina	US	Italian, English
Personalized Medicine	Data science enabling personalized medicine	Prof. Maurizio Ferrari	Italy	Italian, English
Personalized Medicine	Big data and ageing	Prof. Maurizio Ferrari	Italy	Italian, English
Personalized Medicine	Personalized Medicine	Prof. Sergio Bernardini	Italy	Italian, English, French
Pharmacogenetics	Clinical implementation of pharmacogenetics	Prof. Ron van Schaik	The Netherlands	Dutch, English
Pharmacogenetics	Pharmacogenetics of cytochrome P450 enzymes	Prof. Ron van Schaik	The Netherlands	Dutch, English

Pharmacogenetics	Pharmacogenetics for solid organ transplantation management	Prof. Ron van Schaik	The Netherlands	Dutch, English
Pharmacogenetics	Pharmacogenetics of tamoxifen	Prof. Ron van Schaik	The Netherlands	Dutch, English
Pharmacogenetics	Pharmacogenetics in oncology	Prof. Ron van Schaik	The Netherlands	Dutch, English
Pharmacogenetics	Pharmacogenetics and pain management	Prof. Ron van Schaik	The Netherlands	Dutch, English
Pharmacogenetics	Pharmacogenetics, the role of laboratory medicine	Prof. Maurizio Ferrari	Italy	Italian, English
Point of Care Testing	Applicability of the CLSI EP23 Guide in POCT devices	Dr. Alba Cecilia Garzon	Colombia	Spanish
Point of Care Testing	A quality improvement system for POC Testing	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Point of Care Testing	Benefits and management of POCT	Dr. Ellis Jacobs	US	English
Point of Care Testing	Biosensors and the cloud	Dr. Bernard Gouget	France	French, English
Point of Care Testing	C difficile and Antimicrobial Stewardship	Dr Ellis Jacobs	US	English
Point of Care Testing	Direct to consumer testing	Dr. Bernard Gouget	France	French, English
Point of Care Testing	External quality assessment of POCT testing	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Point of Care Testing	Evidence Based Medicine and Point of Care Testing	Dr. Ellis Jacobs	US	English
Point of Care Testing	IFCC recommendation on reporting results for blood glucose	Dr. Ellis Jacobs	US	English
Point of Care Testing	Implementation of the SGC ISO 22870	Dr. Alba Cecilia Garzon	Colombia	Spanish
Point of Care Testing	ISO 22870 - POCT and responsibility of the laboratory	Dr. Herbert Stekel	Austria	German, English
Point of Care Testing	Management & continuous quality improvement of point of care testing	Dr. Ellis Jacobs	US	English
Point of Care Testing	Management of the risk in POCt devices	Dr. Alba Cecilia Garzon	Colombia	Spanish
Point of Care Testing	Method verification on POCT devices	Dr. Alba Cecilia Garzon	Colombia	Spanish
Point of Care Testing	Molecular Diagnostics & Point of Care Testing	Dr Ellis Jacobs	US	English
Point of Care Testing	NBIC	Dr. Bernard Gouget	France	French, English
Point of Care Testing	New Technologies and devices	Dr. Bernard Gouget	France	French, English
Point of Care Testing	Non invasive and in vivo biosensors	Dr. Bernard Gouget	France	French, English
Point of Care Testing	Patient Safety: A quality System Approach to POCT QC/AQ	Dr Ellis Jacobs	US	English
Point of Care Testing	POCT external quality assurance programs	Dr. Ellis Jacobs	US	English
Point of Care Testing	POCT in critical care & Paediatric chemistry	Prof. Pradeep K Dabla	India	English
Point of Care Testing	Point of care testing in the paediatric setting	Dr. Khosrow Adeli	Canada	English
Point of Care Testing	Point of Care Testing: What is the evidence that patients benefit?	Prof. Robert Christenson	US	English
Point of Care Testing	Quality assurance	Dr. Bernard Gouget	France	French, English
Point of Care Testing	Quality assurance in POCT devices	Dr. Alba Cecilia Garzon	Colombia	Spanish
Point of Care Testing	Quality control of POC testing	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English



Point of Care Testing	Self-monitoring of blood glucose	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Point of Care Testing	Should performance specifications for POC testing be different from performance	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Point of Care Testing	Specifications on hospital laboratories	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Point of Care Testing	Types & values of internal quality controls in POCT	Dr. Ellis Jacobs	US	English
Point of Care Testing	Types & values of internal quality controls in POCT	Prof. Montserrat Blanes	Paraguay	Spanish, English
Point of Care Testing	Value of Internal and External QC in POCT	Dr. Ellis Jacobs	US	English
Point of Care Testing	Value of Point of Care Blood Gas Testing	Dr. Ellis Jacobs	US	English
Point of Care Testing	Why Knowing Now Matters in the ED	Dr Ellis Jacobs	US	English
Porphiria	An overview on how to diagnose and monitor the different porphyrias	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Proteomics	Clinical applications of proteomics	Prof. Eleftherios Diamandis	Canada	English
Purines	Purine metabolism and disorders of purine metabolism	Prof. Mathias Mueller	Austria	German, English
Quality Assurance	Addressing nonconformances through Preventive and Reactive Action Plans	Dr. Ed Randell	Canada	English
Quality Assurance	Applicable verification protocols according to EP15 A3 guidelines. CLIS EPO5-EP-09	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Assurance strategies that impact Patient Safety	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Biologic variability in endocrinology	Prof. Montserrat Blanes	Paraguay	Spanish, English
Quality Assurance	Construction of technical quality indicators	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Glucose and external quality assessment and post-analytical quality control	Prof. Sverre Sandberg	Norway	Norwegian, Danish, Swedish, English
Quality Assurance	Guidelines for blood collection	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English, Spanish, Italian
Quality Assurance	Estimation and evaluation of measurement uncertainty according to the guidelines of ISO 20914	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Estimation of Uncertainty according to the CLSI EP-29 Guidelines	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Evaluation and intervention actions against the Random Error in the measurement processes	Dr. Alba Cecilia Grazon	Colombia	Spanish
Quality Assurance	How endogenous and exogenous interferences can affect the patient clinical outcome: a case based approach	MD Jose Jara Aguirre	Peru	Spanish
Quality Assurance	Interpretation, analysis and generation of actions based on the results of the External Quality Assessment test	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Laboratory Errors	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English, Spanish, Italian

Quality Assurance	Laboratory Report	Q. Victor Baltazar	Mexico	Spanish
Quality Assurance	Management and Quality Assurance	Prof. Montserrat Blanes	Paraguay	Spanish, English
Quality Assurance	Management of preanalytical phase	Dr. Gabriel Lima-Oliveira	Brazil	Portuguese, English, Spanish, Italian
Quality Assurance	Patient Safety: A quality System Approach to POCT/QA	Dr Ellis Jacobs	US	English
Quality Assurance	POCT external quality assurance programs	Dr. Ellis Jacobs	US	English
Quality Assurance	Post-analytical quality: assuring the quality of the laboratory report	Prof. Ken Sikaris	Australia	English
Quality Assurance	Post-analytical phase and quality assurance	Prof. Mario Plebani	Italy	Italian, English
Quality Assurance	Pre-analytical phase and quality assurance	Prof. Mario Plebani	Italy	Italian, English
Quality Assurance	Pre-analytical quality: benchmarks for laboratory quality	Prof. Ken Sikaris	Australia	English
Quality Assurance	Pre-analytical quality, Quality control and Quality Assurance	MSc Carmen Melchor	Mexico	Spanish
Quality Assurance	Pre-analytical quality, Method Evaluation	Dr. Gabriel Lima-Oliveira	Brazil	Spanish, English, Portuguese
Quality Assurance	Pre-analytical quality	Bioq. Carlos Navarro	Argentina	Spanish
Quality Assurance	Prospective risk management strategies	Dr. Ed. Randell	Canada	English
Quality Assurance	Quality assurance and patient safety	Prof. Mario Plebani	Italy	Italian, English
Quality Assurance	Quality assurance in Molecular Diagnosis for Dummies	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Quality assurance in qualitative tests	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Quality assurance and traceability	Q. Victor Baltazar	Mexico	Spanish
Quality Assurance	Quality Assurance - Quality control and analytical performance	Bioq. Roberto Carboni	Chile	Spanish
Quality Assurance	Quality control and Quality Assurance	Dr. Laura Parnas	Argentina	Spanish, English
Quality Assurance	Quality control and Quality Assurance	Bact. Ana-Lucia Aguirre	Mexico	Spanish
Quality Assurance	Quality control and Quality Assurance	Bact. Andreas Rothstein	Colombia	Spanish
Quality Assurance	Quality control as a patient safety tool	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Quality control programs for screening neonates babies	Dr. Veronica Luzzi	US	Spanish, English
Quality Assurance	Quality control programs	Dr. Veronica Luzzi	US	Spanish, English
Quality Assurance	Quality issues in the laboratory	Prof. Paivi Laitinen	Finland	Finnish, English
Quality Assurance	Risk management applied to quality assurance	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Sigmametry from strategy to action to impact processes	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Standardisation of hormones	Prof. Montserrat Blanes	Paraguay	Spanish, English
Quality Assurance	The Delta Check as a post analytical quality control tool	Dr. Alba Cecilia Garzon	Colombia	Spanish
Quality Assurance	Total error and measurement uncertainty	Dr. Wytze Oosterhuis	The Netherland	Dutch, English
Quality Assurance	Types & values of internal quality controls in POCT	Prof. Ellis Jacobs	US	English
Quality Assurance	Understanding the clinical importance of measurement uncertainty and analytical goals	Prof. Ken Sikaris	Australia	English

Quality Assurance	Understanding external quality assurance	Prof. Ken Sikaris	Australia	English
Quality Assurance	Understanding internal quality control	Prof. Ken Sikaris	Australia	English
Quality Assurance	Value of Internal and External QC in POCT	Dr. Ellis Jacobs	US	English
Quality Assurance	Validation, Verification and Evaluation of qualitative methods according to the CLSI EP12 guidelines	Dr. Alba Cecilia Garzon	Colombia	Spanish
Reference Intervals	Closing the Gaps in Adult and Paediatric Reference Intervals: Global Initiatives	Dr Khosrow Adeli	Canada	English
Reference Intervals	Defining consensus reference intervals for laboratory networks	Prof. Ken Sikaris	Australia	English
Reference Intervals	Deriving reference intervals with indirect methods using laboratory patient data	Prof. Ken Sikaris	Australia	English
Reference Intervals	Laboratory reference intervals: current gaps and guidelines	Dr. Khosrow Adeli	Canada	English
Reference Intervals	Lean method for the laboratory reference ranges intervals	Dr. Veronica Luzzi	US	Spanish, English
Reference Intervals	Paediatric Reference Intervals: Recent Advances and Challenges	Dr. Khosrow Adeli	Canada	English
Reference Intervals	Reference Intervals harmonization	Dr. Khosrow Adeli	Canada	English
Reference Intervals	Reference Intervals, method evaluation	Dr. Veronica Luzzi	US	Spanish, English
Reference Intervals	Understanding the impact of aging on reference intervals	Prof. Ken Sikaris	Australia	English
Reference Intervals	Understanding the impact of gender on reference intervals	Prof. Ken Sikaris	Australia	English
Reference Intervals	Understanding the impact of pregnancy on reference intervals	Prof. Ken Sikaris	Australia	English
Reference Intervals	Understanding extreme results and the definition critical limits	Prof. Ken Sikaris	Australia	English
Therapeutic Drug Monitoring / Toxicology	Drugs of abuse	Dr. Veronica Luzzi	US	Spanish, English
Therapeutic Drug Monitoring / Toxicology	Mass spectrometry in the TDM laboratory	Dr. Steven Soldin	US	German, English
Therapeutic Drug Monitoring / Toxicology	Mass spectrometry in the toxicology laboratory	Dr. Steven Soldin	US	German, English
Therapeutic Drug Monitoring / Toxicology	Therapeutic drug monitoring	Dr. Alan Wu	US	English
Therapeutic Drug Monitoring / Toxicology	Toxicology	Dr. Alan Wu	US	English
Therapeutic Drug Monitoring / Toxicology	High resolution mass spectrometry for general unknown screens for clinical toxicology	Dr. Alan Wu	US	English
Therapeutic Drug Monitoring / Toxicology	Toxicology	Prof. Hedhili Abderrazek	TN	French, English
Thyroid disease	Controversies in thyroid hormones	Prof. Montserrat Blanes	Paraguay	Spanish, English
Thyroid disease	Genotyping approach to thyroid hormone resistance	Prof. Christopher Florkowski	NZ	English
Thyroid disease	Pre-analytical in thyroid hormone assessment	Prof. Montserrat Blanes	Paraguay	Spanish, English
Thyroid disease	Thyroid function Test Standardization	Prof. Montserrat Blanes	Paraguay	Spanish, English

Thyroid disease	Thyroid function tests	Dr. Damien Gruson	Belgium	French, English
Thyroid disease	Thyroid hormones & their diverse role in various diseases	Prof. Pradeep K Dabla	India	English
Traceability and Standardisation	How to build traceability pyramids and how to verify using JCTLM	Dr. Alba Cecilia Garzon	Colombia	Spanish
Traceability and Standardisation	Implementation of metrological traceability in laboratory medicine	Prof. Mathias Mueller	Austria	German, English
Traceability and Standardisation	In vitro diagnostics and evolving regulatory challenges in laboratory medicine	Prof. Tomris Ozben	Turkey	Turkish, English
Traceability and Standardisation	Standardisation in clinical enzymology	Prof. Mauro Panteghini	Italy	Italian, English
Traceability and Standardisation	Standardization of Cardiac Troponin I: process and progress	Prof. Robert Christenson	US	English
Traceability and Standardisation	Theory of reference measurement systems and assays	Prof. Mauro Panteghini	Italy	Italian, English
Traceability and Standardisation	Traceability and Harmonization of Clinical Laboratory Tests and effects of the new European In Vitro Diagnostic Regulation (IVDR)	Prof. Tomris Ozben	Turkey	Turkish, English
Traceability and Standardisation	Traceability and the HbA1c Project	Dr. Herbert Stekel	Austria	German, English
Traceability and Standardisation	Traceability and reference materials	Dr. Melina Perez-Urquiza	Mexico	Spanish
Traceability and Standardisation	Traceability and reference materials	MSc. Ana Maria Piana	Uruguay	Spanish, English
Traceability and Standardisation	Traceability in Laboratory Medicine: IVD Directives and IVD Regulations	Prof. Tomris Ozben	Turkey	Turkish, English
Traceability and Standardisation	Traceability	Bioq. Gabriel Migliarino	Argentina	Spanish
Traceability and Standardisation	Traceability	MSc. Raul Girardi	Argentina	Spanish
Transplantation	Transplantation biochemistry	Prof. Mathias Mueller	Austria	German, English
Transplantation	Transplantation	Prof. Sergio Bernardini	Italy	Italian, English, French