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Organized By:



The First Annual Meeting of the ECCS and the Digital Health & Laboratory Medicine Forum

October 17-18, 2025 – Conrad Dubai, UAE



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Welcome Message



Dear Colleagues,

It is with great pleasure that we invite you to join us at the **The First annual Meeting of the ECCS and the Digital Health & Laboratory Medicine Forum**, organized by the Emirates Clinical Chemistry Society (ECCS) and held under the auspices of the **International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)**. This highly anticipated event will take place on **October 17-18, 2025**, at Conrad Dubai, UAE.

This forum promises to be a landmark gathering, bringing together healthcare professionals, researchers, policymakers, and industry leaders from across the globe. The program is designed to spotlight groundbreaking innovations in digital health and laboratory medicine, with a focus on transforming chronic disease management. Through expert-led keynote presentations, engaging panel discussions, and interactive sessions, participants will explore the challenges, opportunities, and future trends shaping this dynamic field.

Your presence at this forum would be invaluable in enriching the discussions and advancing our shared commitment to healthcare innovation. We would be honored to welcome you as an attendee and greatly appreciate your support in making this event a success.

The forum offers a unique platform to foster meaningful exchanges of ideas, forge new collaborations, and gain critical insights into the latest advancements in digital health and laboratory medicine. It is an unparalleled opportunity to connect with leading experts and peers, while contributing to shaping the future of chronic disease management and improving patient outcomes worldwide.

We sincerely thank you for considering this opportunity and look forward to welcoming you to the Digital Health and Laboratory Medicine Forum 2025.

Together, we can pave the way for a healthier and more innovative future in healthcare.

Warm regards,

A handwritten signature in blue ink that reads "Laila AbdelWareth".

Dr. Laila AbdelWareth
Conference Co-Chair
President of the Emirates Clinical Chemistry Society
Chief Executive Officer
National Reference Laboratory, Abu Dhabi, UAE

A handwritten signature in blue ink that reads "Damien Gruson".

Prof. Damien Gruson
Conference Co-Chair
President of Euromedlab 2025 Brussels, Belgium
Head of the Department of Clinical
Biochemistry, Cliniques Universitaires .Saint-Luc., Belgium

Organizing Committee



Dr. Shereen Amer
M.B.Ch.B., M.D., (M.D. Ph.D.)
DABCC

Associate Laboratory Director,
Georgia Department of Public Health,
USA, Adjunct Faculty,
Long Island University, New York, USA



Dr. Rania Bedair

Consultant Chemical Pathology
National Reference Lab (NRL)
Abu Dhabi, UAE



Dr. Ola Elgaddar
PhD, MBA, CPHQ

Associate Professor of Clinical
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Executive Director of Laboratory
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Board Member of the Emirates
Clinical Chemistry Society



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Sameera Omar Balhamar

Supervisor, Laboratory Services,
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Prof. Damien Gruson

Conference Co-Chair
President of Euromedlab 2025 Brussels,
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Head of the Department of Clinical
Biochemistry, Cliniques Universitaires.
Saint-Luc., Belgium

Scientific Committee



Dr. Laila Abdel Wareth

Conference Co-Chair
President of the Emirates Clinical
Chemistry Society
Chief Executive Officer,
National Reference Laboratory,
Abu Dhabi, UAE



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Biochemistry, Cliniques Universitaires.
Saint-Luc., Belgium



Prof. James H. Nichols
PhD, DABCC, FADLM

Professor of Pathology,
Microbiology and Immunology
Medical Director of Clinical Chemistry
and Point-of-Care Testing
Vanderbilt University Medical Center
in Nashville, TN, USA



Dr. Shereen Amer
M.B.Ch.B., M.D., (M.D. Ph.D.)
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Dr. Fayha Ahmed

Consultant Pathologist
Division Chief Clinical Chemistry,
Immunology and POCT
Medical Lead Dubai Hospital,
Al Jalila Children's & Latifah Hospital
Department of Laboratory Medicine
and Pathology
Vice President of Emirates Clinical
Chemistry Society (ECCS)



Dr. Mohamedi Begum

Specialist Clinical Biochemist
Dubai Health Authority, UAE

Speakers



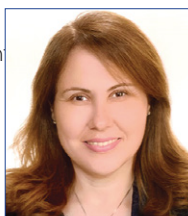
Prof. Khosrow Adeli
PhD, FCACB, DABCC, FAACC
Head and Professor,
Clinical Biochemistry
The Hospital for Sick Children,
Canada



Prof. Damien Gruson
Conference Co-Chair
Head of the Department of Clinical
Biochemistry, Cliniques Universitaires
Saint-Luc., President of Euromedlab
2025 Brussels, Belgium
International Federation of Clinical
Chemistry & Laboratory Medicine (IFCC)



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Head, Molecular Genomics Department
National Reference Laboratory,
M42, Abu Dhabi, UAE



Prof. Iman M. Talaat
Professor and Consultant Anatomic
Pathology, Clinical Sciences Department
College of Medicine,
University of Sharjah, UAE
General Secretary of Emirates
Pathology Society



Dr. Anwar Alborai
Section Head Clinical Chemistry
& Toxicology
Pathology and Laboratory Medicine
King Abdulaziz Medical City,
Jeddah, Saudi Arabia



Dr. Hady Elkhodary
Group Laboratory Director
Emirates Hospital Group,
Dubai, UAE



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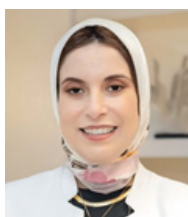
Dr. Swarup Shah
Senior Molecular Scientist Hinduja Hospital
Executive Committee Member -
Emerging Technologies Division, IFCC
Mumbai, India



Dr. James Donnelly
Ph.D., M.B.A, FCACB,
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Dr. Ali Alothaim
Consultant, Medical Microbiology
Head, Division of Toxicology/
Biochemical Metabolic Lab,
Department of Pathology
King Abdulaziz Medical City,
Riyadh, Saudi Arabia



Dr. Rania Bedair
Consultant Chemical Pathology
National Reference Lab (NRL)
Abu Dhabi, UAE

Speakers



Dr. Adrian Glen Miller
Consultant Biochemist &
Technical Director
National Reference Laboratory,
Abu Dhabi, UAE



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Medical Director of Clinical Chemistry
and Point-of-Care Testing
Vanderbilt University Medical
Center in Nashville, TN, USA



Dr. Nadine Nehme
Co-Founder and
Chief Science Officer
Medicus AI, UAE



Dr. Anirban Ganguly
Assistant Professor
All India Institute of
Medical Sciences,
Deoghar, India



Prof. Bernard Gouget
President - National Committee for the
Selection of Reference Laboratories (LBMR),
Ministry of Health and Prevention (FR)
President - National Healthcare Committee,
Comité Français d'accréditation (COFRAC)
IFCC Emerging Technology Division (ETD-EC)
Chair IFCC-TF on History
Labac IFCC/EFLM representative



Dr. Umar Ansari
Global Head of AI Clinical Solutions
AliniQ Digital Health Solutions
Core Diagnostics, Dubai, UAE



Mr. Leon Vanderstraaten
Lab Digitalization
Siemens Healthineers MEA



Mr. Ahmed Shehata
Head of Product Management
Beckman Coulter,
Middle East and Africa



Mr. Alaa Salama
Marketing Excellence
Subchapter Lead,
CoreLab in the Middle East,
Dubai, UAE

Conference Objectives

- Recognize the Current Implementation of Digital Health in Chronic Disease Management
- Discuss Bridging the chasm between AI and clinical implementation in laboratory medicine
- Integrate Data-Driven Healthcare Approaches
- Address the Challenges of Digital Transformation in Healthcare
- Review of Mobile Health Apps and Quality Analysis with Mobile App Rating Scale
- Enhance Patient-Centered Care Through Digital Health
- Evaluate the Future Trends and laboratory role in Digital and Mobile Health
- Promote International Standards and Best Practices
- Engage with experts, researchers, and healthcare professionals to exchange knowledge, share experiences, and build collaborations that drive innovation in chronic disease management

Who Should Attend?

The conference welcomes the following individuals:

- Pathologists
- Laboratory Scientists and Technologists
- Physicians, clinicians, nurses, and other healthcare providers who work closely with pathologists and laboratory professionals in the diagnosis and management of patients.
- Laboratory directors, laboratory managers and Lab supervisors
- Quality assurance personnel
- Fellows, residents and trainees pursuing careers in pathology and laboratory medicine.
- Policy Makers and Regulators involved in healthcare policy, regulation, and accreditation bodies responsible for setting standards and guidelines in pathology and laboratory medicine and other healthcare professionals interested in laboratory medicine.

Call for Abstracts – Scientific Posters

Deadline of Submission: **SEPTEMBER 10, 2025 (22:00 UAE/GST)**

Notification of Accepted Abstracts: **SEPTEMBER 15, 2025**

Preliminary Agenda | The First ECCS Annual Meeting

Day 1 | October 17, 2025

07:30 – 08:25	Registration & Welcome Coffee
08:25 – 08:30	Opening Remarks
	Plenary Session: Moderator: Dr. Laila AbdelWareth
08:30 – 09:00	The Power of Big Data to Derive Common Reference Intervals across Populations Prof. Khosrow Adeli, Canada
	Session 1: Specialized Testing and Emerging Technologies Moderator: Dr. Mouza AlSharhan
09:00 – 09:30	Empowering Laboratory Diagnostic Service with Mass Spectrometry Prof. Damien Gruson, Belgium
09:30 – 10:00	Next-Generation Sequencing (NGS): Applications in genomics and personalized medicine Dr. Hemad Yasaei, UAE
10:00 – 10:30	Liquid Biopsy: A Revolution in Cancer Diagnostics: Emerging biomarkers and non-invasive techniques – Prof. Iman M. Talaat, UAE
10:30 – 11:00	Official Inauguration
11:00 – 11:15	Coffee Break
	Session 2: Role of Laboratory Medicine in Health Equity Moderator: Dr. Shereen Amer
11:15 – 11:45	Redefining Reference Intervals for Eliminating Health Disparities – Dr. Anwar Alborai, KSA
11:45 – 12:15	Laboratory Tests Accessibility for Better Health Equity – Dr. Hady Elkhodary, UAE
12:15 – 12:45	The Role of Public Laboratories in Health Equity – Dr. Ola Elgaddar, UAE
12:45 – 14:00	Lunch Break
	Session 3: Biomarkers for Neurological Disorders: Are We There Yet? Moderator: Dr. Anwar Alborai
14:00 – 14:30	Biomarkers of Alzheimer Disease and Neurological Disorders Dr. Laila Abdelwareth, UAE
14:30 – 15:00	The Role of Blood Biomarkers in Diagnosis and Management of Traumatic Brain Injury (TBI) Dr. Shereen Amer, USA
15:00 – 15:30	Biomarkers of parkinsonism Disease – Dr. Fayha Ahmed, UAE
15:30 – 15:45	Coffee Break
	Session 4: Unlocking the Power of Precision Medicine Moderator: Dr. Ola Elgaddar
15:45 – 16:15	The Role of Biomarkers in Personalized Medicine: Identifying and validating predictive biomarkers – Dr. Swarup Shah, India
16:15 – 16:45	Pharmacogenomics and Personalized Medicine – Dr. James Donnelly, USA
	Round-table (AFCB) – Open Discussion Moderator: Dr. Rania Bedair
16:45 – 17:30	Newborn screening: experiences in the Middle East and North Africa Dr. Ali Alothaim, KSA – Dr. Rania Bedair, UAE – Dr. Adrian Glen Miller, UAE
17:30	End of Day 1

Agenda | Digital Health & Laboratory Medicine Forum

Day 2 | October 18, 2025

08:25 – 09:25	Registration & Welcome Coffee
09:25 – 09:30	Opening Remarks
09:30 – 10:15	Keynote Lecture: The Future of Digital Health in Chronic Diseases Management Speaker: Prof. James Nichols, USA Moderator: Prof. Damien Gruson, Belgium
	Session 1: AI, Sensors, and Quality Control in Chronic Diseases Management Moderator: Dr. Hady Elkhodary
10:15 – 10:45	Artificial Intelligence Pathology & Laboratory Medicine : Innovation, Impact, and the Future of Diagnostics – Dr. Laila AbdelWareth, UAE
10:45 – 11:15	Integrating Sensors and Wearable Devices for Chronic Disease Monitoring Dr. Ola Elgaddar, KSA
11:15 – 11:30	Coffee Break
	Session 2: Mobile Health and Patient Empowerment Moderator: Dr. Fayha Ahmed
11:30 – 12:00	Enhancing Patient Empowerment through Digital Tools Dr. Nadine Nehme, UAE
12:00– 12:30	Applications of Artificial Intelligence in Alzheimer's disease: Insights for Early Diagnosis and Personalized Treatment – Dr. Anirban Ganguly, India
12:30 – 13:30	Prayer & Networking Lunch
13:30 – 14:00	How AI Can Empower Patient Care Dr. Umar Ansari, UAE
14:00 – 14:30	The Role of Digital Solutions in Patient-Centered Care Mr. Leon Vanderstraaten, UAE
14:30 – 15:00	Revolutionizing Diagnostics: The New Era of Immunoassay Testing Mr. Ahmed Shehata, UAE
15:00 – 15:15	Coffee Break
	Session 3: Cardiovascular Diseases Management Moderator: Dr. Laila Abdel Wareth
15:15 – 15:45	Point of Care Testing and Task Shifting in Cardiovascular Health Prof. Damien Gruson, Belgium
15:45 – 16:15	Achieving Interoperability in Digital Health Systems – Prof. Bernard Gouget, France
	Session 4: Data Exchange and Interoperability in Digital Health Moderator: Prof. James Nichols
16:15 – 16:45	Improving Outcomes with Digital Health in Chronic Disease Management Dr. Umar Ansari, UAE
16:45 – 17:15	Innovating Diagnostics: Shaping Healthcare and Changing Lives – Mr. Alaa Salama, UAE
17:15 – 17:45	Powering Tomorrow's Healthcare: The Enablers That Matter Panel Discussion with speakers Moderator: Dr. Bernard Gouget
17:45 – 18:15	Summary of Key Takeaways – All Speakers
18:15	Networking Reception End of Conference

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Cancellation / Substitution Policy

If you are unable to attend, a substitute delegate will be very welcome in your place. If this is not suitable, a 20% administration fee will apply. Registrations cancelled less than two weeks before the event are non refundable.

Event Venue

Conrad Dubai, UAE

The organizing committee reserves the right to make any modifications to the programme in occurrence of any unforeseen circumstances.

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Scan the QR code or
visit the website for
more information.



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