



The 2nd Trends & Innovations in Medical Laboratories Conference



Workshops
6 May 2025



7-8
May 2025



Fairmont
Riyadh



<https://timlksa.com>

Message From the President of Health Support Services

Dear Esteemed Colleagues and Guests,

Welcome to **the 2nd Trends and Innovations in Medical Laboratories Conference 2025!** It is with immense pleasure that I extend my warmest greetings to all of you, on behalf of the Laboratory Operation Center at Health Support Services Centre. This year, we gather from May 6th to 8th, 2025, for an event that promises to be transformative for our field.

As we stand at the crossroads of innovation and healthcare, this conference aims to illuminate the path forward for medical laboratories across the country. Over the next three days, **we will explore groundbreaking advancements that are reshaping our practices and enhancing patient care.** From the latest trends in diagnostic testing to the integration of automation and artificial intelligence, our agenda is rich with content designed to inspire and educate.

You will have the opportunity to engage with distinguished national and international experts, participate in thought-provoking discussions, and witness firsthand the innovations that are driving our industry forward. **Our program includes a diverse array of workshops and sessions, each crafted to provide you with practical insights and skills that you can implement in your own laboratories.**

Moreover, this conference is not just about knowledge acquisition; it is about forging connections. The relationships you cultivate here can lead to collaborations that propel research and improve outcomes for patients everywhere. Your presence and participation are vital in this collective journey toward excellence in laboratory medicine.

As we delve into topics like the multidisciplinary approaches to cancer treatment, the evolving landscape of pathology, and the implications of microbial research on human health, I encourage you to engage deeply with the content and your fellow delegates. Let us harness this opportunity to challenge the status quo, share best practices, and ignite the spark of innovation that will define the future of our profession.

In closing, I am excited to embark on this journey with you. Together, we can explore, learn, and contribute to a brighter future for medical laboratories. Thank you for being here, and I look forward to an inspiring and productive conference.



Warm Regards,
**Dr. Maram Bint
Abdelmohsen Al-Otaiby**
CEO of Health Support Services Center

Welcome Address

Dear Valued Delegates,

It brings me great joy to welcome you to **the 2nd Trends and Innovations in Medical Laboratories Conference 2025**, held from May 6th to 8th, 2025, on behalf of the Laboratory Operation Center at Health Support Services Centre. **This event will undoubtedly shape the future of medical laboratories across the country.**

During the three-day conference, you'll have the chance to interact with national and international experts, engage in stimulating discussions, and witness groundbreaking advancements in medical laboratory technology. **The conference agenda covers a broad spectrum of topics, including the latest trends in diagnostic testing, automation, laboratory policies and procedures, and quality management and leadership.** We've also organized workshops to provide you with practical insights and skills that you can apply in your respective laboratories.

Your attendance and contributions are crucial in driving positive change and enhancing patient outcomes. We firmly believe that the connections you establish and the knowledge you gain will have a profound impact on your professional growth and the advancement of the field as a whole.

We look forward to seeing you at the conference and to a productive exchange of ideas and experiences.



Best regards,
Dr. Manar M. Samman

Consultant Clinical Genomics Scientist, and
Executive General Director, Laboratory
Operation Center - Ministry of Health.

Scientific Committee

Dear Delegates and Speakers,

The Scientific Committee extends a warm welcome to you all. We are thrilled to introduce the scientific program of the conference, which promises to be an engaging and informative experience.

Our program features six workshops, the Health Support Services Centre (HSSC) roadmap, and six industrial talks. The sessions will cover a wide range of topics, including:

- *Cancer, new multidisciplinary approach in solving old Problems*
- *The Future of Pathology: AI and Beyond*
- *Governance and policy in Healthcare: Enablers or Barriers to Innovation*
- *Automation, In & Out of the lab testing methods*
- *Advances in diagnosing the DNA architectural changes*
- *The impact of microbes on human health*
- *NextGen Lab Workforce: Preparing for the Skills of Tomorrow*

These sessions will provide valuable insights, showcase the latest advancements, and foster discussions on the challenges and opportunities in our field.

We encourage you to actively participate in the sessions, engage in meaningful discussions, and network with your colleagues.

Welcome to the conference, and we look forward to an exciting scientific journey together.

*Best regards,
The Scientific Committee*

Organizing Committee

Dear Esteemed Delegates,

On behalf of the Organizing Committee, it is our pleasure to extend a warm welcome to each and every one of you to **the 2nd Trends and Innovations in Medical Laboratories Conference 2025**. We are thrilled to have you join us for this exciting three-day event, taking place from May 6th to 8th, 2025.

Over the course of these three days, you will have the opportunity to immerse yourself in a rich scientific program, featuring a diverse range of sessions and activities. We are confident that this conference will provide a platform for knowledge sharing, networking, and exploring the latest advancements in the field of medical laboratories.

In addition to the scientific program, we have arranged an exhibition hall where leading industry partners will showcase their latest products, technologies, and services. We encourage you to visit the exhibition hall during the designated hours to explore the cutting-edge solutions and innovations that can enhance your laboratory practices.

To ensure a smooth registration process, we have set up two desks for on-site registration. Our dedicated registration team will be available to assist you with any queries and provide you with all the necessary information and materials. Throughout the conference, our organizing team will be readily available to provide any assistance and support you may require.

Once again, we extend our warmest welcome to you and thank you for your participation in the 2nd Trends and Innovations in Medical Laboratories conference 2025. We look forward to an engaging and successful event, filled with opportunities for learning, networking, and advancing the field of medical laboratories.

*Best regards,
The Organizing Committee*



The Goals and Objectives of conference



Create a platform for delegates to exchange ideas, best practices, and research findings, promoting innovation and driving positive change in the field of medical laboratories.



Provide workshops and hands-on sessions that enable delegates to acquire practical skills and knowledge applicable to their respective laboratories, enhancing their professional development.



Foster a sense of community and belonging among medical laboratory professionals, facilitating the formation of new collaborations and partnerships that can lead to future research, projects, and initiatives.



Explore and discuss the multidisciplinary approach to tackling significant challenges, such as cancer diagnosis and treatment, while addressing the regulatory landscape and providing guidance on navigating regulations for innovative laboratory practices.



Offer an exhibition hall where industry partners can showcase their latest products, technologies, and services, allowing delegates to explore and learn about the most up-to-date solutions and innovations that can enhance their laboratory practices.



Conference Session

Highlights



Cancer, New Multidisciplinary Approach in Solving Old Problems

This session will delve into the latest advancements in haematological malignancies diagnosis and treatment, focusing on various disciplines such haematology, Flow Cytometry and cellular therapy processing laboratories. Experts will discuss innovative strategies and cutting-edge research that aim to tackle the age-old challenges posed by cancer, offering hope for more effective and personalized therapies.

Wednesday - 7th of May 2025 9:20 – 10:50 am



The Future of Pathology: AI and Beyond

This session will showcase the latest breakthroughs in histopathology, with a particular focus on the integration of digital and AI technologies. Discover how these innovative tools enhance diagnostic accuracy, accelerate research, and personalize patient care. We'll also explore other emerging technologies that are reshaping the field.

Wednesday - 7th of May 2025 10:50 – 12:10 pm



Governance and policy in Healthcare: Enablers or Barriers to Innovation

Navigating the complex landscape of regulations is crucial for the successful implementation of innovative laboratory practices. This session will provide valuable insights and practical guidance on how to effectively navigate the regulatory framework while pushing the boundaries of innovation. Attendees will gain a deeper understanding of the key considerations and strategies for compliance in the ever-changing regulatory environment.

Wednesday - 7th of May 2025  01:20 – 02:50 pm



Automation, In & Out of the Lab Testing Methods

Automation has become an integral part of modern laboratory testing methods, transforming the way we conduct experiments and analyze data. This session will explore the latest trends, benefits, and challenges associated with integrating automation both within and outside the laboratory setting. Attendees will learn about the most advanced automation technologies for core laboratories and discover how they can enhance efficiency, accuracy, and reproducibility in their testing procedures.

Wednesday - 7th of May 2025  03:20 – 05:10 pm



Advances in Diagnosing the DNA Architectural Changes

The field of genetics has witnessed remarkable progress in recent years, particularly in understanding the architectural changes within DNA. This session will showcase the cutting-edge techniques and technologies that are enabling laboratories to better comprehend and diagnose genetic disorders at the architectural level. Attendees will gain insights into the latest breakthroughs and their potential impact on personalized medicine and genetic counselling.

Thursday - 8th of May 2025  09:00 – 10:30 am



The Impact of Microbes on Human Health

Emerging vector-borne diseases, and antimicrobial resistance (AMR) pose significant threats to public health. Additionally, laboratories should function at appropriate biosafety and biosecurity standards to protect the laboratory workers and the public. This panel discussion brings together microbiology and virology experts to examine the impact of microbes on public health. Topics will include the threat of emerging vector borne diseases, including the impact of environmental factors and urbanization on pathogen transmission and control. We will also examine critical issues in laboratory biosafety and biosecurity, highlighting related implications and requirements. Additionally, we will address the escalating crisis of antimicrobial resistance, discussing local policies and the role of surveillance and managements in combating these threats.

Thursday - 8th of May 2025  10:30 – 12:00 pm



NextGen Lab Workforce: Preparing for the Skills of Tomorrow

As the field of laboratory medicine continues to evolve at a rapid pace, it is crucial to prepare the next generation of laboratory professionals with the skills and competencies required to thrive in the future. This session will address the emerging trends and challenges in laboratory workforce development, focusing on the key skills and attributes necessary for success. Attendees will gain valuable insights into training programs, mentorship opportunities, and strategies for fostering a culture of continuous learning and adaptability.

Thursday - 8th of May 2025  01:00 – 02:30 pm

Scientific Committee

CHAIRPERSON



Dr. Raef Rashed Albugami

Head of Flow Cytometry & Cellular Therapy Processing Laboratory,
King Fahad Medical City - Riyadh Second Health Cluster Chairperson of
the National Stem Cell Committee - Saudi Health Council
Consultant Clinical Scientist – Stem Cell Technologies
Consultant at the Health Services Supporting Center, MOH

Co-CHAIRPERSON



Dr. Manar M. Samman

Consultant Clinical Genomics Scientist
Executive General Director - Laboratory Operation
Center - Ministry of Health

Scientific Committee

MEMBERS



Dr. Abdullah Bin Abdelaziz Alomar

Supervisor General of Infectious Disease Vector
Research Laboratory at King Saud University



Dr. Abdulrahman Alsulaiman

Consultant of Medical & Molecular Virology
Vice President of the Saudi Society for clinical
laboratory science (SSCLS)
*President of the scientific committee (infection
control program)*



Dr. Ismail Bhakhsh

Clinical consultant in Hematology and cell therapy.
Consultant, Saudi Commission for Health Specialties
and Health leadership Academy
*Managing director and head of Hematology
section- private sector*



Prof. Khalid Alharbi

Professor & Consultant in Medical Molecular Genetics
Chairman of Saudi Society for Clinical Laboratory Sciences
Department of CLS
College of Applied Medical Sciences - King Saud University



Dr. Manal Abudawood

Associate Professor

Department of Clinical Laboratory Sciences
College of Applied Medical Sciences
Director of central research Laboratory
King Saud University



Dr. Maryam Althobiti

Assistant Professor and Cancer Scientist
Clinical Laboratory Sciences Department
College Of Applied Medical Science
Shaqra University



Dr. Musaed Alshalan

Consultant, Blood Transfusion.

*Head of laboratory Training and Education, Prince
Sultan Military Medical City.*

Chairman of Scientific Committee of Blood Bank
Program (SCFHS).

Consultant at the Health Services Supporting Center,
Blood Bank and Transfusion Medicine, MOH



Dr. Soha Tashkandi

Consultant Clinical Cytogeneticist

Head of Cytogenetics Laboratory, KFMC
Co-chair Policy & Regulatory Committee, HSSC

Conference Coordinator

Ms. Rama Alqahtani

Laboratory Technologist
Project manager
Health support services Center
Ministry of Health

Organizing Committee

CHAIRPERSON



Dr. Raef Rashed Albugami

Head of Flow Cytometry & Cellular Therapy Processing Laboratory, King Fahad Medical City Riyadh Second Health Cluster Chairperson of the National Stem Cell Committee Saudi Health Council
Consultant Clinical Scientist – Stem Cell Technologies
Consultant at the Health Services Supporting Center, MOH

MEMBERS



Dr. Manar M. Samman

Consultant Clinical Genomics
Scientist Executive General Director
Laboratory Operation Center
Ministry of Health



Ms. May Alasmari

Digital transformation consultant
Health Support Services Center



Ms. Amirah AlTamimi

Health Support Services Center



Ms. Rama Alqahtani

Laboratory Technologist
Project manager
Health support services Center
Ministry of Health

Organizing Committee

MEMBERS



Ms. Amani Alqahtani

Health Support Services Center



Dr. Khayyal Alderaan

Health Support Services Center



Mr. Omar Mohammad

Health Support Services Center



Ms. Norah Alsudais

Clinical Laboratory intern
King Fahad Medical City



Princess Amal Al Saud

Clinical Laboratory intern
King Fahad Medical City



Moderators



Dr. Raef Rashed Albugami

Head of Flow Cytometry & Cellular Therapy Processing Laboratory,
King Fahad Medical City - Riyadh Second Health Cluster Chairperson
of the National Stem Cell Committee - Saudi Health Council
Consultant Clinical Scientist – Stem Cell Technologies
Consultant at the Health Services Supporting Center, MOH



Dr. Soha Tashkandi

Consultant Clinical Cytogeneticist
Head of Cytogenetics Laboratory, KFMC
Co-chair Policy & Regulatory Committee, HSSC



Dr. Musaed Alshalan

Consultant, Blood Transfusion.
***Head of laboratory Training and Education,
Prince Sultan Military Medical City.***
Chairman of Scientific Committee of Blood
Bank Program (SCFHS).
Consultant at the Health Services Supporting Center,
Blood Bank and Transfusion Medicine, MOH



Dr. Maryam Althobiti

Assistant Professor and Cancer Scientist
Clinical Laboratory Sciences Department
College Of Applied Medical Science
Shaqra University



Dr. Manal Abudawood

Associate Professor
Department of Clinical Laboratory Sciences
College of Applied Medical Sciences
Director of central research Laboratory
King Saud University



Prof. Khalid Alharbi

Professor & Consultant in Medical Molecular Genetics
Chairman of Saudi Society for Clinical Laboratory Sciences
Department of CLS
College of Applied Medical Sciences - King Saud University



Dr. Ismail Bhakhsh

Clinical consultant in Hematology and cell therapy.
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Dr. Manar M. Samman

Consultant Clinical Genomics Scientist
Executive General Director - Laboratory
Operation Center - Ministry of Health



Dr. Khalifa Binkhamis

Associate professor and consultant medical
microbiologist at The College of Medicine and
King Saud University Medical City - King Saud
University. Program director of the King Saud
University board in Medical Microbiology

Speakers



Prof. Mohammed Suliman Almogbel

Mohammed Almogbel is a Professor in Medical and Molecular Microbiology at the College of Applied Medical Sciences, Ha'il University. He has over 32 years of practical experience, divided into two stages, starting in 1993.

Throughout his clinical and academic career, Mohammed Almogbel participated in various committees and councils, including the Infection Control Committee Member in Armed Forces Medical Services, the Committee for the Localization of Health Jobs in Ha'il Region, the Supreme Committee for Health Training, the Committee for the Study of Academic Qualifications in Medical Laboratories for Professional Classification in the Saudi Commission for Health Specialties, and the Policies and Procedures Committee in Laboratory Services and Blood Banks, Ministry of Health.



Dr. Mana Al-dawsari

Dr. Mana Aldawsari is a highly accomplished Hematological Pathologist and Blood Transfusion Physician, currently serving as the Head of Transfusion Medicine Services at the Ad-Diriyah Hospital-3rd health cluster in Saudi Arabia. With extensive experience in hematopathology, bleeding and clotting disorders, hematologic malignancies, and hemoglobinopathies and transfusion medicine services, Dr. Aldawsari has been instrumental in advancing patient care by implementing safe, efficient, and evidence-based practices.



Dr. Abdullah Bin Abdelaziz Alomar

Dr. Alomar is a Supervisor General of the Infectious Disease Vector Research Laboratory at King Saud University, specializing in arboviruses and the transmission and control of vector-borne diseases. He holds a Ph.D. in Vector-Borne Diseases from the University of Florida, USA, a Master of Science from Michigan State University, USA, and a Bachelor of Science from King Saud University. With expertise in disease surveillance, epidemiology, and vector control, he leads cutting-edge research on early disease detection, diagnosis, vector management, and biosecurity to combat the emergence of zoonotic pathogens. His work in high-containment biosafety laboratories has advanced research on infectious viral disease agents and their vectors. Dr. Alomar's contributions continue to translate research into real-world applications, shaping national and global efforts against emerging infectious diseases that impact public health.



Dr. Islam Gamaledin

is a clinician-scientist with extensive expertise in pharmacology, toxicology, quality assurance, patient safety, forensic medical services, and addiction research. He holds a PhD in Pharmacology and Toxicology from the University of Toronto, complemented by a Master's degree in Clinical Toxicology and a Bachelor of Medicine and Surgery from Ain Shams University. Dr. Gamaledin currently serves as the Coordinator/member in all Policies and Regulations Committees within the Health Services Support Center. In this capacity, he is responsible for writing and reviewing all regulations, policies, and guidelines governing clinical laboratories, blood banks, and forensic medicine services. His role involves developing comprehensive regulatory frameworks, ensuring compliance with national and international standards, and overseeing policy implementation to enhance healthcare service quality. With a proven track record in leading change initiatives, Dr. Gamaledin has played a pivotal role in training quality officers, and formulating accreditation plans. His contributions to the forensic and toxicology fields include the development of standard operating procedures (SOPs) and the authorship of guidelines and reference materials that have helped advance best practices. As an accomplished researcher and educator, Dr. Gamaledin has published extensively in peer-reviewed journals, contributing to advancements in addiction medicine, toxicology, and laboratory quality management. He is also a sought-after speaker and mentor, known for his ability to translate complex scientific knowledge into actionable healthcare improvements.



Prof. Nasir Rajpoot

Nasir Rajpoot is GSK Professor of Computational Pathology and the founding Director of Tissue Image Analytics (TIA) Centre at the University of Warwick. Prior to his PhD in Computer Science from Warwick 2001, he completed his postgraduate training from PIEAS (Pakistan) and Yale University (USA). His current research focus is on the research and development of AI and machine learning algorithms for the study of histological and multi-omic markers, aimed at early detection, risk stratification and personalised treatment of cancer. Prof Rajpoot has been active in the Digital & Computational Pathology (DCP) community for over two decades now. He has published over 350 research papers in top journals and conferences in the area and has delivered over 100 keynote and invited talks. He is a co-founder and CEO/CSO of Histofy, a spinout from his group at Warwick. Until recently (March 2024), Prof Rajpoot served as a co-Director of £15m PathLAKE, a national Centre of Excellence (CoE) on AI in pathology in the UK. He has been a Wolfson Fellow at the Royal Society and a Turing Fellow at the Alan Turing Institute.



Dr. Rana Hasanato

Professor of Clinical Biochemistry at the College of Medicine, King Saud University Medical City in Riyadh, Saudi Arabia. Consultant and Corporate Director of the Department of Pathology, Laboratory Medicine, and Blood Bank at King Saud University Medical City. Fellowship in Clinical Pathology with a subspecialty in Medical Biochemistry from King Saud University. Executive MBA in Healthcare Management from Frankfurt School of Finance and Management, Germany. Led the transformation of lab operations by introducing sustainability in laboratory medicine and pioneer of achieving first green lab certificate in ksa.



Dr. Anand Jeyasekharan

is a Principal Investigator at the Cancer Science Institute of Singapore (CSI), a Senior Consultant Medical Oncologist in the Department of Haematology-Oncology at the National University Hospital (NUH), Singapore, and a Platform Lead for the Singapore Translational Cancer Consortium (STCC). He earned his medical degree from Christian Medical College, Vellore, India, followed by a PhD in Oncology from the University of Cambridge, UK, as a Gates Cambridge Scholar. He then completed specialist training in Internal Medicine and Medical Oncology at NUH Singapore. Dr. Jeyasekharan's clinical and research interests are deeply integrated, with a focus on the treatment of lymphomas and sarcomas, as well as the development of personalized therapies for these complex cancers. His research leverages clinical artificial intelligence and digital pathology, incorporating advanced spatial and imaging analyses to elucidate the interplay between tumour cells and the immune microenvironment, particularly in the context of chemotherapy sensitivity and resistance.



Dr. Meena Sakharkar

Dr. Meena Sakharkar is a member of the Pharmaceutical and Nutrition Sciences Research Group (PNSRG) and is a tenured Professor at the College of Pharmacy and Nutrition, University of Saskatchewan, Canada. She joined the college in 2014 following her appointment as a professor at the Graduate School of Life and Environmental Science at the University of Tsukuba, Japan. She obtained her PhD from the National University of Singapore, Singapore followed by postdoctoral training at Stanford University. She teaches courses on pharmaceutical biotechnology, pharmacogenomics, personalized medicine, and drug design. She has published over 130 articles in peer-reviewed international journals. She continues to be on national and international grant review panels. She is also a member of the Council of Strategic Grant Advisors at the university of Saskatchewan. Her research interests are in drug target identification and validation using multiple cross-disciplinary approaches. Currently, her lab is investigating the role of PPAR gamma and its targets in breast cancer and Parkinson's disease. She also has an active research program that involves designing novel antibiotic-phytochemical drug conjugates by using fragment-based drug design for treating bacterial infections in dairy cattle. Her research is funded by National Science and Engineering Research Council (NSERC), Canada and the Agriculture Development fund, Government of Saskatchewan, Canada.



Mr. Jasem Albasri

Jasem Albasri, MSTM, SBB(ASCP)CM, is blood bank supervisor at Prince Sultan Military Medical City, Riyadh, Saudi Arabia. Jasem earned bachelor degree in clinical Laboratory Sciences from King Saud University. Attended Specialist in blood banking program at BloodCenter of Wisconsin (currently Versiti) and Graduated his master in Transfusion Medicine at Marquette University, Milwaukee, WI. Jasem is Currently working as blood bank supervisor and has interest in immunohematology education and foster research in the blood group genomics in Saudi Arabia to understand genetic background and how Saudi population have similarities and differences related to other populations. Jasem is a board member of Saudi Society of Transfusion Medicine, participated in different local and regional conferences related to immunohematology. Board Member of Saudi Commission For Health Specialties (SCFHS) team to establish, write, and review Question bank for Saudi Laboratories Licensure Examination (SLLE). Member of a national committee lead by Saudi Central Board for Accreditation of Health Institutions (CBAHI) to develop a new standards titled: Blood Transfusion Safety.



Mr. Mohammed Alghamdi

Expert Healthcare Professional With over 20 years of experience in the healthcare sector, particularly in laboratory Medicine and quality management. He has worked with a range of prestigious government hospitals and private institutions, including King Faisal Specialist Hospital and Research Centre (KFSHRC), National Guard Hospital, GE Healthcare, Johns Hopkins Aramco Healthcare (JHAH), and King Faisal Specialist Hospital International Company (KFSHI).

Recently, he joined Saudi Accreditation Center as the Director of Medical Laboratory Accreditation to leads important initiatives toward implementing ISO 15189 standards across medical laboratories in Saudi Arabia. His leadership and expertise are critical in advancing healthcare quality, improving laboratory practices, and enhancing patient safety in alignment with the Health Sector Transformation Program.



Mr. Abdulaziz Aljohani

is a renowned expert in laboratory management, accreditation, and quality assurance, with extensive experience in advancing laboratory standards and regulatory frameworks. He is the Team Specialty Leader for the Clinical Laboratory and Blood Bank Program (CBAHI), where he plays a key role in shaping laboratory regulations and contributing to national healthcare strategies. Holding a Master's degree in Biomedical Science from Nottingham Trent University, UK, Abdulaziz has led numerous national initiatives, policy developments, and accreditation projects, significantly impacting laboratory practices in Saudi Arabia.



Dr. Naif Almontashiri

Dr. Almontashiri is an associate professor of medical genetics, Faculty of Applied Medical Sciences, Taibah University, Saudi Arabia. In 2015, he received his Ph.D in Cardiovascular Genetics from the University of Ottawa Heart Institute, Canada. In 2018, he completed his 3-years of dual training in clinical molecular and biochemical genetics at Harvard Medical School. He is the only Saudi Ph.D. who is dual board-certified in Clinical Molecular and Biochemical Geneticist by the American Board of Medical Genetics and Genomics (ABMGG). Dr. Almontashiri has years of experience in molecular and biochemical assay development and interpretation for diagnostic applications. He signed out more than 20K genetic tests (Gene panels, WES, WGS) for Saudi and non-Saudi patients with genetic diseases. He served as senior clinical molecular and biochemical genetic consultant for major hospitals like KFSHRC, KFMC, and KKESH. His major clinical and research interests involve the "Mendeliome" of consanguineous populations, candidate genes discovery and functional characterization, and laboratory developed tests and clinical validation. Raising the awareness about the autosomal recessive diseases associated with consanguinity is one of his interests to reduce the burden of the inherited disorders.



Mr. Khalil Softa

Khalil Softa is an accomplished Medical Laboratory Senior Specialist with over 19 years of experience in clinical laboratory sciences and procurement management. Holding a master's degree in medical laboratory sciences, a diploma in procurement, and certified health care supply chain manager with mini-MBA executive certification from London school of business, Khalil has built a robust career marked by excellence in laboratory operations, strategic procurement, and leadership within the healthcare sector. Currently serving as the Medical Laboratory Category Manager at the National Unified Procurement Co. (NUPCO) in Riyadh, Khalil leads procurement activities related to medical laboratories, managing tenders, designing the supply chain for lab supplies and services with different procurement and contract strategies (GPPRR, Reagent deal, framework agreements), and ensuring compliance with industry standards. Prior to this role, Khalil spent 15 years at PSMCM Central Laboratory, where he held the position of Chief of Medical Laboratory Scientific Officers (CMLSO). In this capacity, Khalil was responsible for overseeing the Clinical Chemistry Division, supervising the Total Lab automation (TLA), training laboratory staff, and ensuring the accuracy, quality, and reliability of lab results. Recognized for their meticulous attention to detail and a strong ability to communicate effectively with healthcare professionals, Khalil has a reputation for high-quality outputs and timely completion of laboratory assays. A certified CBAHI Surveyor and CAP inspector, contributing to advancements in laboratory practices. Excellent speaking in both English and Arabic, and possessing strong technical skills in laboratory IT systems, Khalil excels in fast-paced environments and fosters collaborative relationships with colleagues, medical laboratory market, and stakeholders. With a passion for continuous improvement, Khalil remains committed to enhancing laboratory services and health care supply chain efficiency within the healthcare industry.



Dr. Mohammed Bamajboor

Dr. Mohammed Bamajboor is an experienced bioinformatician specializing in clinical genomics and NGS (Next Generation Sequencing) data analysis. He earned a Ph.D. in Biomedical Informatics from Rutgers University, USA, and an M.S. in Bioinformatics from the University of the Sciences in Philadelphia, USA. His academic background combines healthcare informatics, advanced algorithms, and biomedical data management, building a solid foundation for his bioinformatics career. At King Fahad Medical City (KFMC), Dr. Bamajboor manages high-throughput NGS workflows, processing thousands of genomic samples annually. He collaborates closely with clinical teams to integrate genomics into patient care, resolving sequencing data issues and optimizing variant detection pipelines. Dr. Bamajboor also spearheaded the development of a Variant Search Application to enhance Whole Exome Sequencing (WES) analysis. This tool enables dynamic searches, helping clinical teams make faster, more informed decisions and improve diagnostic outcomes. Before joining KFMC, Dr. Bamajboor worked as a Data Analyst at the Institute for Critical Care Medicine (ICCM) at Mount Sinai Health System, New York. There, he honed his data analysis skills by optimizing data pipelines, managing clinical dashboards, and developing reporting solutions for research and quality improvement. He also managed ICU patient data for quality initiatives and contributed to the implementation of a surveillance system for infectious disease control by analyzing data across hospital platforms. His upcoming presentation, "Development of a Custom Pipeline and Variant Database for Clinical Whole Exome Sequencing Reporting at King Fahad Medical City (KFMC)," will provide insights into his work on optimizing WES data analysis and enhancing variant reporting through customized bioinformatics solutions.



Dr. Nashat Nafouri

Dr. Nafouri is an advocate in Total Quality Management, Excellence Models, Strategic Planning, Leadership Coaching and Mentoring, Safety Culture, Infections Prevention and Occupational and Environmental Health with over 30 years of experience, tangible achievements and proven track records. He serves on the Saudi Quality Council (SQC) Board as an Executive Officer and Chairman of the Healthcare Interest Group (HIG). Currently, Nashat is the Quality and Organizational Excellence Consultant at security forces hospital in Makkah(SFHM), Health Services, Ministry of Interior (MOI) and 1st Cluster in Riyadh, Ministry of Health (MOH). He gained the trust of the Public Health Authority (PHA) leadership and became a part time consultant and advisor setting on many vital and strategic committees to shape the promising future of public health in the Kingdom with PHA leaders. Appointed as a Consultant by the Saudi Standards, Metrology and Quality Organization (SASO) to assess the health sector readiness based on King Abdulaziz Quality Award Standards as foundation to structure the 2025 -2030 National Quality Strategy.



Dr. Nami Aljehani

Dr. Nami Aljehani is an accomplished academic, researcher, and leader specializing in cancer research, molecular pathology, and healthcare management. He holds a PhD in Molecular Pathology and Cancer Research from the University of Sheffield, where his research focused on the role of Transforming Growth Factor- β 1 in colon adenocarcinoma. Currently serving as an Assistant Professor of Histology and Molecular Pathology at King Saud University since 2011, Dr. Aljehani has held several prestigious leadership positions including Dean of the Common First Year Deanship at King Saud University (2014-2018) and Deputy Minister for Scholastic Affairs in Saudi Arabia's Ministry of Education (2018-2019). Dr. Aljehani combines his scientific background with leadership skills to drive innovation in education and healthcare. Dr. Aljehani is a certified Executive Coach and Six Sigma Black Belt, successfully implemented coaching-based performance management systems that have improved staff retention, quality metrics, and succession planning outcomes across multiple laboratory environments.



Prof. Bandar Suliman

Prof. Bandar Suliman is a distinguished Saudi scientist specializing in biomedical sciences and a prolific inventor in DNA technology. He is a board-certified consultant clinical scientist, university professor, entrepreneur, BI & data analyst, CPD & business development expert, quality auditor, GRC professional, and corporate & digital transformation specialist. Currently, Prof. Bandar serves as the acting CEO of Alfa Medical Labs, one of the largest laboratory chains in Saudi Arabia with over 70 branches. He also holds the position of Associate Professor of Immunology and Molecular Oncology at Taibah University's College of Applied Medical Sciences. Dr. Suliman assumes key roles in various prestigious organizations, including the Saudi Commission for Health Specialties, the American Association for Clinical Chemistry, and the Institute of Biomedical Science in the UK. Throughout his career, Prof. Bandar has held numerous leadership positions at Taibah University and collaborated with renowned research institutions such as King Faisal Specialist Hospital and Research Centre and Monash University in Australia. He has been granted several patents for his inventions, including a digital scanner for recognizing 2D triangular coding systems and a computer numerical control device for modeling 3D geometric shapes using DNA. Prof. Bandar holds a Ph.D. in Immunology and Molecular Oncology from Monash University, Australia, and multiple master's degrees in Clinical Sciences and Biochemistry from Griffith University, Australia. He also earned several fellowships, diplomas, and professional certificates in biomedical sciences, medical education, quality assessment, business development, governance and risk management and information technology.



Dr. Ahmad Alfares

is a distinguished medical geneticist with extensive training and experience. He completed medical school in Saudi Arabia, followed by a medical genetics residency at McGill University, Canada. He further specialized with two fellowships at Harvard Medical School in Clinical Molecular Genetics and Clinical Biochemical Genetics. Currently, Dr. Alfares serves as the deputy executive director and senior consultant at the Centre for Genomic Medicine, King Faisal Specialist Hospital and Research Center. He oversees a cutting-edge lab conducting extensive exome and genome testing, crucial for diagnosing genetic disorders. Dr. Alfares plays a key role in developing new genetic tests and strategies, focusing on the center's growth and leadership in personalized genomic medicine. His vision is to enhance patient care through precise, predictive, and preventive medical solutions, driving the future of healthcare through the integration of genomic data.



Dr. Abdulwahab Binjomah

Dr. Binjomah earned his Ph.D. in Infection, Immunity & Inflammation from the University of Leicester in 2014, specializing in the physiology of Mycobacterium tuberculosis within human lung granulomas. In 2015, he was appointed Head of the Mycobacteriology Department, followed by his promotion to Head of the Microbiology Department in 2016. In 2022, Dr. Binjomah assumed the role of Director of the Riyadh Regional Laboratory and Blood Bank. Whereas in 2024, he was appointed General Manager of Laboratories at the Ministry of Environment, Water & Agriculture. Currently, Dr. Binjomah serves at the Public Health Authority, contributing to national efforts in disease surveillance, laboratory biosafety, and public health initiatives. In addition to his administrative and scientific contributions, he holds an academic position as an Associate Professor at the College of Medicine, Alfaisal University.



Mr. Jaffar Khiariy

is a highly recognized healthcare leader with extensive experience in healthcare management, transformation and accreditation. He currently serves as the Head of the Laboratory at King Faisal Specialist Hospital & Research Centre (KFSHRC) in Jeddah. He is also the Specialty Team Leader for the Saudi Central Board for Accreditation of Healthcare Institutions (CBAHI). With a Bachelor's degree in Medical Technology and a Master's in healthcare Administration from King Abdulaziz University, Jaffar has dedicated 25 years of his career to advancing his field. Jaffar's commitment to excellence and innovation has positioned him as a key figure in the evolution of healthcare standards and laboratory management. His leadership continues to drive improvements in patient care, quality assurance, and accreditation, making a lasting impact on the healthcare industry.



Dr. Nouf Alrasheed

is a clinical scientist who holds a PhD in cell therapy from University college of London. She studied CAR T cells and immune landscape of Multiple Myeloma patients, and made fundamental contributions to the current understanding of the immune microenvironment and underlying activity of CAR T cell therapy; she was awarded a PhD in 2020. She then went on to training on CAR T cell manufacturing in Germany. Followed by American board certification in Regenerative Medicine. She is now managing the CAR T in-house manufacturing project at King Faisal Hospital, Riyadh, Saudi Arabia.



Dr. Zahir Alshehry

is a Consultant Clinical Scientist and Vice President of Shared Services for Regional Laboratories at the Ministry of Health, Saudi Arabia. He holds a PhD in Medical Biochemistry from the University of Melbourne, with expertise in Lipidomics, Diabetes, and Cardiovascular Diseases. Dr. Alshehry has served as the Program Director for the Saudi Board of Clinical Biochemistry (SBCB) and as Chairman of the Scientific Committee of Clinical Biochemistry (SCCB) at SCFHS. With over 20 years of experience in healthcare transformation and laboratory operations, he has authored more than 17 publications in high impact journals.



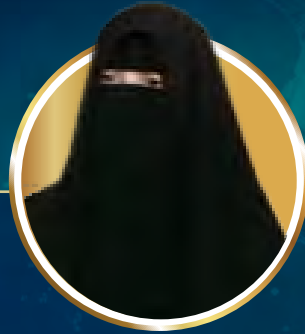
Dr. Sarab Nabil A. Taha

Ph.D., is a top performer in flow cytometry laboratory science with 20 years of experience in oncology and immunology. She holds a Doctoral Degree in Hematology/Oncology and is passionate about training and education. Dr. Taha has worked as a Medical Technologist at King Faisal Specialist Hospital and Research Center and as a Technical Supervisor at King Fahad Medical City. She is currently a Clinical Scientist at King Fahad Medical City, responsible strategic planning, managing technical specifications or validation for clinical flow cytometry testing, and communicating with clinical providers regarding test interpretation. Dr. Taha has also participated in research projects and has been affiliated with the Saudi Commission for Health Specialists and Princess Noura bint Abdulrahman University.



Dr. Malak Almashali

Consultant Clinical scientist currently Head of POCT division at Prince Sultan Military Medical City, Central Laboratory & Blood Bank Riyadh and Point Of Care testing Program Project leader at Health Support Service Center Ministry of Health Saudi Arabia. A Consultant for clinical use of Point of care testing. She Obtained Her M.Sc. in Biomedical Science (Clinical Chemistry- Point of Care Testing) Completed her project in designing a training program for the use of Point Of Care Glucose monitoring device in clinical practice and Her PhD on the area of Point of care testing to facilitate early intervention in the Emergency department. She is also a member of Saudi Point of Care Testing Association and Board Member of the Saudi Society for Clinical Chemistry. She frequently speaks at national and international healthcare events and is a key opinion leader for point of care testing in Saudi Arabia. She published and presented several papers in different journals national and international.



Prof. Dalal Nemenqani

a Professor and Consultant of Pathology and previous dean of the College of Medicine Taif University. She received her Bachelor of Medicine and Surgery from the College of Medicine - King Abdul Aziz University in 1991 and then FPATH KSU King Saud University Fellowship in Pathology Riyadh, Saudi Arabia. 1999 and then FRCPATH, The Royal College of Pathologists London, UK, 2008 and FIAC International Academy Of Cytology, 2008 and master in medical education from Taif university in collaboration with Chicago Illinois university , USA. She holds membership In several scientific societies, including the American Society of Pathology, the International Academy of Cytology, the Saudi Commission for Health Specialties, the Saudi Society of Pathology, Saudi society of laboratory medicine, and the Saudi oncology Society. She has received many regional awards for her contributions in the Saudi Community and Health Specialization. She published many papers in international journals in the field of pathology and cancer. Currently, Professor Nemenqani is the Editor-in-Chief of the Saudi Journal for Health Sciences.



Dr. Ali H. Hajeer

is a distinguished Consultant Clinical Scientist and Head of the Immunopathology Division at the Department of Pathology & Laboratory Medicine, with over three decades of experience in immunology and histocompatibility. He earned his PhD from the University of Manchester and has held significant positions, including Technical Director of the Stem Cell Processing Laboratory. A co-founder of the Arabian Society for Histocompatibility & Immunogenomics, Dr. Hajeer is a fellow of several prestigious organizations, including the Royal College of Pathologists and the American College of Histocompatibility & Immunogenetics. His research focuses on transplant immunology and HLA gene diversity, and he has authored numerous publications in renowned journals, contributing significantly to the field. Dr. Hajeer's expertise is complemented by his leadership in various laboratory inspections and his active role in advancing medical education through multiple publications and editorials.



Dr. Ghfren Suliman Aloraini

Highly motivated, hardworking, self-dependent Saudi women. Living in 3 different countries throughout my lifetime (Saudi Arabia, United States, and United Kingdom) raised my scientific level to serve society and improving the physical level to ensure a decent life for my family and me. I acquired many effective problem-solving skills, capability of working independently, capability of working under pressure and under different circumstances, the ability of building good social relationships, adaptation of effective working within diverse groups. I have realized that the teaching and the health of our communities require hard work and advocacy to meet vision 2030.



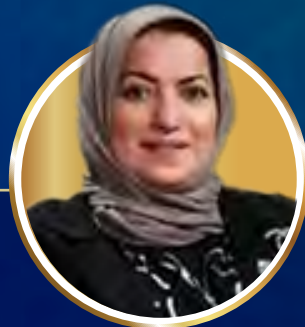
Dr. Ali Mohammed M. Somily

I am a Professor and Consultant Medical Microbiologist with extensive expertise in clinical microbiology, molecular diagnostics, and public health. I currently serve as a faculty member at King Saud University's College of Medicine and as the Editor-in-Chief of the Journal of Nature and Science of Medicine. With over 15 years of experience, my work focuses on advancing antimicrobial resistance research, infectious disease diagnostics, and public health policy. I am particularly interested in antimicrobial stewardship, emerging infectious diseases, and microbial pathogenesis. As a researcher in antimicrobial resistance, I have authored numerous high-impact publications and have been invited to speak at prestigious international conferences, sharing insights on microbial epidemiology, innovative diagnostic technologies, and infectious disease control. In addition to my academic and clinical roles, I serve as a consultant to the Public Health Authority (Weqaya), where I contribute to strategic efforts in infectious disease management, surveillance, and policy development. I am passionate about medical microbiology, research, and education, and I strive to contribute to public health and infectious disease control on both a national and global scale.



Ms. Alya Qari

The president of The Saudi Society of medical genetics. A senior genetic counselor at King Faisal Specialist Hospital & Research Centre in Riyadh. A senior lecturer at Al-Faisal University. Has been working as a genetic counselor for 17 years.



Prof. Suad AlFadhli

A Leader in Medical Laboratory Sciences and AI in Healthcare

Prof. Suad AlFadhli is a distinguished academic, researcher, and administrator with over 24 years of experience in Medical Laboratory Sciences. She has held key leadership positions at Kuwait University, including Acting President (2022-2023) and Dean of the Faculty of Allied Health Sciences (2018-2022). Internationally, she has contributed to program development and accreditation at Qatar University and as an international external examiner at Sultan Qaboos University. Prof. AlFadhli is a prolific researcher with over 76 publications, and two book chapters in Autoimmunity and cancer, a recipient of the KFAS (Kuwait Foundation of Advanced Sciences) Award, and founder of a medical genetics research lab. She has played a pivotal role in AI integration in healthcare education, leading the First International Conference on AI in Health. Her expertise extends to curriculum development, accreditation, and workforce training, making her a key figure in advancing medical education and research.



Prof. J Louise Jones

Professor of Breast Pathology, Barts Health NHS Trust and Head of Breast Research Group in Centre for Tumour Biology, Barts Cancer Institute, Queen Mary University of London, with research focus on the role of the microenvironment in mediating progression of DCIS to invasive breast cancer. Co-PI of the national Breast Cancer Now Biobank which includes the Primary Breast Cell Bank, isolating cell populations from tissues for the research community. Lead for Molecular Pathology within Genomics England during the 100,000 Genomes Project then taking on Cellular Pathology Lead for North Thames GLH. She sits on many Genomic Medicine national committees representing Pathology and contributing to discussions around improving sample handling and pathways for genomic testing. Also Research Lead for the National Breast Pathology Co-Ordinating Committee and Editor-in-Chief of The Journal of Pathology.



Ms. Ghala Abdulaziz Binroshod

An honor graduate from King Saud University, currently completing an internship at King Fahad Medical City (KFMC). Driven by a strong passion for research and innovation. Inventor of a patented medical device for drying and fixing tissue designed for laboratory medical slides—an advancement aimed at enhancing efficiency and precision in the lab. Has earned first-place awards in several prestigious research competitions, including IIFME, Hackathon 2023, and the ITE Expo London 2022.



Dr. Abdulaziz Al-Ajlan

Senior Consultant Dermatopathologist and Chairman of the Department of Pathology & Laboratory Medicine at King Abdulaziz Medical City, Riyadh. He brings over 30 years of experience in histopathology, dermatopathology, and academic leadership. A fellow of the Ackerman Academy of Dermatopathology in New York, Dr. Al-Ajlan has contributed extensively to the field through teaching, mentoring, and publishing over 50 peer-reviewed articles. He remains an active figure in national and international conferences, advancing standards in diagnostic pathology and medical education.



Mr. Abdulmohsan Faisal Alotaibi

A distinguished healthcare executive in Saudi Arabia, currently serving as the Executive General Manager of the Regulatory Arm at the Supporting Healthcare Services Center, Ministry of Health, since November 2024. In this role, he oversees regulatory frameworks, ensures compliance with healthcare standards, and drives strategic initiatives to enhance service efficiency. He previously held the position of General Manager of Compliance at the Ministry (2017-2024), where he developed policies for transparency and accountability. With over 20 years of experience in quality management and institutional performance improvement, he holds a Master's in Healthcare Administration from the University of New Haven, USA, a Bachelor's from Ferris State University, USA, and a Diploma in Hospital Administration from the Institute of Public Administration in Riyadh, KSA.



Mr. Ionut Taranu

Ionut has 20 years of experience in the healthcare industry in different leadership roles both in the pharmaceutical and diagnostics industry. He is currently responsible for Strategy and Business Innovation for Roche Diagnostics Middle East based in Dubai. By background Ionut holds a Bachelor in Bioengineering and an Executive Healthcare Leadership from Cornell University . Recently he completed a Digital Transformation Strategy (Cambridge Business School) that comes across with his passion around the topic of innovation in healthcare.



Dr. Rani Besisou

Holding bachelor degree of Pharmacy and clinical since the year of 2000, I have more than 22 years of experience within Roche and in both pharmaceutical and IVD fields. Leading the medical function and activities in Kingdom of Saudi Arabia. In addition, I am responsible for the women's health portfolio within the Middle East and specialized in preeclampsia biomarkers and related topics.



Judge Committee Members



Dr. Abdullah Alsulaiman

A Molecular Genetics Consultant ,Regional Lab
Medcial Director Al-Hada Armed Forces Hospital



Dr. Nasser Al Jarallah

Vice President of Almaarefa University



Dr. Amal Fahad Alshammmary

Consultant of Clinical Immunology , Head of
Aviation & Maritime Ambulance Department
Prince Sultan College for Emergency Medical
Services, King Saud University, Riyadh, Saudi
Arabia



Dr. Sara Mamdouh Abou AlSaud

Assistant Professor of Basic Cardiac Sciences,
College of Medicine, King Saud University
Researcher of Basic Cardiac Sciences, King Fahad
Cardiac Center, King Saud University Medical City
Executive Director of GESTER Center for Human
Capital Empowerment and Training, King Saud
University - Riyadh, Kingdom of Saudi Arabia



Mrs. Nawal alblwi

Chief Executive Officer Advisor for Governance
and Institutional Excellence at the Health
Supporting Services Center



Dr. Arwa Abdulaziz Alageel

Assistant professor of infertility - Assisted
reproduction & reproductive genetics
Consultant Clinical embryologis
- King Saud University



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Associate Professor
Physical Therapy Department College of Applied
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Medical Laboratory Sciences Department College
of Applied Medical Sciences Majmaah University

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Dr. Rashed Almousa

Assistant Professor
Medical Equipment Technology Department College
of Applied Medical Sciences Majmaah University



Dr. Allolo Aldreiwish

Assistant Professor and Stem-Cell scientist
Medical Laboratory Sciences Department College of
Applied Medical Sciences Majmaah University



Dr. Hadeel Alyenbaawi

Assistant professor
Medical Laboratory Sciences Department College
of Applied Medical Sciences Majmaah University



Dr. Maryam Althobiti

Assistant Professor and Cancer Scientist
Clinical Laboratory Sciences Department College of
Applied Medical Sciences Shaqra University



Scientific Posters Judges



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Medical Laboratory Sciences Department College of
Applied Medical Sciences Majmaah University



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Associate Professor
Medical Laboratory Sciences Department College of
Applied Medical Sciences Majmaah University



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Department of Chemistry College of Sciences and
Arts King Abdulaziz University



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Dr. Ahmed Basudan

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Dr. Mohammed Alqasmi

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of Applied Medical Sciences Majmaah University



Dr. Ibrahim AlMohimeed

Associate Professor
Medical Equipment Technology Department College
of Applied Medical Sciences Majmaah University

The 2nd Trends & Innovations in Medical Laboratories

Conference Opening Ceremony

May 6th



Academic Partner



6:45 – 7:00 PM

Reception

7:00 – 7:03 PM

Saudi National Anthem

7:03 – 7:05 PM

Holy Quran

7:05 – 7:09 PM

Welcome Speech And Conference Opening

7:09 – 7:11 PM

Visual Presentation

7:11 – 7:16 PM

Speech by the Executive General Director of Laboratory
Operation Center - HSSC

7:16 – 7:22 PM

Speech By His Excellency The Minister Of Health

7:22 – 7:26 PM

Academic Partner's Award
(Majmaah University)

7:26 – 7:29 PM

Honoring Dr.Saleh Alghamdi رحمه الله

7:29 – 7:32 PM

Honoring Dr. Talib BaNasser رحمه الله

7:32 – 7:40 PM

Lifetime Achievement Award

7: 40 – 7:47 PM

Person Of The Year Awards

7: 47 – 8:02 PM

Signing Memorandums of
Understanding (MOUs)

8:02 – 8:15 PM

Driving the next wave of innovation in research: The power of
public-private-academic partnerships.

Dr. Hesham A. Abdullah

The 2nd Trends & Innovations in Medical Laboratories Conference

DAY 1

Tuesday - 6th of May 2025

All Day: Posters And Exhibition Visit

08:00 – 09:00

Registration

Workshop 1



Moderator: Dr. Ismail Bhaksh

Clinical Laboratory Accreditation and Compliance 09:00 - 11:00am

Topic 1: aabb and CAP Accreditation, Competition or Integration

Mr. Jasem Albasri

Topic 2: Bridging National and International Accreditation: A Comparative Perspective on CBAHI's Clinical Laboratory and Blood Bank Standards

Mr. Abdulaziz Aljohani

Topic 3: Navigating ISO15189: A Pathway to Quality and Accuracy in Medical Laboratories

Mr. Mohammed Alghamdi

Workshop 2



Moderator: Dr. Manal Abudawood

09:00 - 11:00am

Trends in Pharmacogenomics and Personalized Medicine

Dr. Meena Sakharkar

Workshop 3



Moderator: Dr. Manal Abudawood

09:00 - 11:00am

Lab Specialists Beyond the Bench: Redefining Roles, Driving Vision 2030, and Leading Healthcare Transformation

Prof. Bandar Suliman

11:00 – 12:00

Lunch Break & prayer



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جامعة المجمعة
Majmaah University

The 2nd Trends & Innovations in Medical Laboratories Conference

DAY 1

Tuesday - 6th of May 2025

All Day: Posters And Exhibition Visit



Academic Partner
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Majmaah University

Workshop 4

01:00 - 03:00pm

Digital Pathology: Regulatory Affairs & Global Experience

Mr. Abdulmohsan Faisal Alotaibi
Dr. Abdulaziz Abdullah Al Ajlan

Workshop 5



Moderator: Dr. Manar Samman

01:00 - 03:00pm

Bioinformatics / Genetics

Dr. Naif Almontashiri

Development of a Custom Pipeline and Variant Database for Clinical
Whole Exome Sequencing Reporting in a Local Population

Dr. Mohammed Bamajboor

Workshop 6



Moderator: Prof. Khalid Alharbi

01:00 - 03:00pm

Leadership in Clinical Laboratory

Dr. Nashat Nafouri

Enhancing Laboratory Performance Through Coaching and
Talent Mappings

Dr. Nami Aljehani

Workshop 7

Laboratory Supply Chain

04:00 - 06:00pm

Medical Laboratories' Procurement and Supply Chain

Mr. Khalil Softa

07:00

Opening Ceremony

The 2nd Trends & Innovations in Medical Laboratories Conference

DAY 2

Wednesday - 7th of May 2025

All Day: **Posters And Exhibition Visit**

08:00 – 08:30

Registration

08:30 – 09:00

Transforming Healthcare Through Innovation and Partnership

Roche

Mr. Ionut Taranu



Interview

09:00 - 09:20 am

(Dr. Maram Al-Otaiby : HSSC Roadmap) Moderator: Dr. Manar Samman

Cancer, New Multidisciplinary Approach in Solving OLD Problems 9:20 – 10:50 am

09:20 – 09:40 CAR-T Cells in Action: Success Stories and Future Directions

Prof. Ali Hajeer

09:40 – 10:00 Advances and Challenges in Flowcytometry: From Research to Clinical Applications

Dr. Sarab Nabil Taha

10:00 – 10:20 New Strategies in CAR T Cell Production

Dr. Nouf Alrasheed

10:20 – 10:50 Panel Discussion

Moderator: Dr. Raef Albugami

The Future of Pathology: AI and Beyond

10:50 – 12:10 pm

10:50 – 11:10 Computational Pathology and the Precision Oncology Jigsaw Puzzle

Prof. Nasir M. Rajpoot

11:10 – 11:30 Promoting Personalised Cancer Care: the Application of AI to Multi-modal Data

Prof. J Louise Jones

11:30 – 11:50 Harnessing AI and Multiplexed Immunostaining to Predict Relapse in Cancer

ONLINE

Dr. Anand Jeyasekharan

11:50 – 12:20 Panel Discussion

Moderator: Dr. Maryam Althobiti



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The 2nd Trends & Innovations in Medical Laboratories Conference

DAY 2

Wednesday - 7th of May 2025

All Day: Posters And Exhibition Visit



Academic Partner



12:20 – 01:20

Lunch / Prayer break

Governance and Policy in Healthcare: Enablers or Barriers to Innovation 01:20 – 02:50

01:20 – 01:45

Balancing Innovation and Compliance: Insights from a Regulatory Journey Toward Modern Laboratory Excellence.

Dr. Islam Gamaleddin

01:45 – 02:10

From Governance to Compliance: A Safe Journey in Assessing Policy Risks in Healthcare Setting

Mr. Jaafar Khiariy

02:10 – 02:50

Panel Discussion



Moderator: Dr. Soha Tashkandi

Prof. Dalal Nemenqani, Mr. Jaafar Khiariy, Dr. Islam Jamlliddin

02:50 – 03:20

Coffee & Prayer

Automation, In & Out of the Lab Testing Methods



03:20 – 05:10 pm

03:20 – 03:40

Achieving Sustainability Through Automation

Dr. Rana Hasanato

03:40 – 04:00

National Implementation of a Point-of-Care Testing (POCT) Program: A Regulatory Framework for Quality, Training, and Stakeholder Engagement

Dr. Malak AlMashali

04:00 – 04:20

Is Laboratory Automation = Efficiency?

Dr. Zahir Alshehri

04:20 – 04:40

An Optimized Model of Laboratory Operations: Lab Hub and Spoke Model

Dr. Mana Al-dawsari

04:40 – 05:10

Panel Discussion



Moderator: Dr. Abdulrahman Alsulaiman

05:10 – 05:20

Speakers Recognition Session

The 2nd Trends & Innovations in Medical Laboratories Conference

DAY 3 Thursday - 8th of May 2025

All Day: Posters And Exhibition Visit

08:00 – 08:30

Registration

08:30 – 09:00

Disease Management: Innovation and Medical Value Parameters

Roche

Dr. Rani Besisou

Advances In Diagnosing The DNA Architectural Changes

09:00 – 10:30 am

09:00 – 09:20 From Code to Chromatin: How AI is Reshaping Genomic Research

Prof. Suad AlFadhli

09:20 – 09:40 Genomics and Precision Medicine

Dr. Ahmad Alfares

09:40 – 10:00 Genetic Counseling for Structural Variants: Navigating Uncertainty in the Era of Advanced Genomic Diagnostics

Mrs. Alya Qari

10:00 – 10:30 Panel Discussion

Moderator: Prof. Khalid Alharbi

The Impact of Microbes On Human Health

10:30 – 12:00 pm

10:30 – 10:50 Emerging Vector-Borne Diseases and Biosecurity

Dr. Abdullah Alomar

10:50 – 11:10 The Future of Biosafety: Innovations in Risk Mitigation and Laboratory Security.

Dr. Abdulwahab Zaid Binjomah

11:10 – 11:30 Antimicrobial Resistance

Dr. Ali Somily.

11:30 – 12:00 **Panel Discussion**
Protecting Public Health: Addressing Emerging Vector-Borne Diseases, Biosafety and Biosecurity Challenges, and Antimicrobial Resistance

Moderator: Dr. Khalifa Binkhamis

12:00 – 01:00

Lunch / Prayer Break



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The 2nd Trends & Innovations in Medical Laboratories Conference

DAY 3

Thursday - 8th of May 2025

All Day: Posters And Exhibition Visit



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Majmaah University

NextGen Lab Workforce: Preparing for the Skills of Tomorrow 01:00 – 02:30 pm

01:00 – 01:20 Bridging the Gaps: assessing the Competency of Laboratory Science Graduates in Hospital Settings Prof. Mohammed Suliman Almogbel

01:20 – 01:40 Empowering Laboratory Professionals: Achieving Continuous Growth through Learning Outcomes. Dr. Ghofran Alarini

01:40 – 02:00 From Classroom to Work Field: Adapting to Real-World Laboratory Environments Ms. Ghala Abdulaziz Binroshod

02:00 – 02:30 Panel Discussion Moderator: Dr. Musaed Alshalan

02:30 – 03:00 Coffee & Prayer

Posters Competition Session

03:00 – 04:00 pm

03:00 – 03:30 5 Students (5 min talk)

03:30 – 04:00 5 Researchers (5 min talk)

Closing Ceremony

04:00 – 05:00pm

Poster Winners

Scientific Committee
Members

Organizing Committee
Members

Sponsors

Posters Judging
Committee

Scientific Committee
for Posters

Speakers Recognition
Session

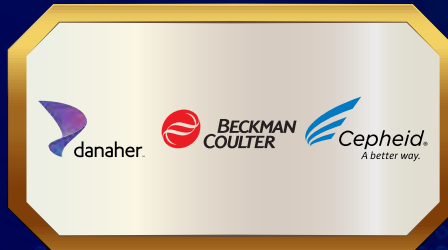
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