جامعة البلقاء التطبيقية
Al-Balqa Applied University

Al-Balqa Applied University

Faculty of Allied Medical Sciences

29-30 Nov. 2025 Amman-Salt Jordan

جامعة البلقاء التطبيقية
AL-BALQA APPLIED UNIVERSITY
AIHS
Artificial Intelligence in Health Sciences

Timetable for the conference

Day one

o 09:00 - 10:00:   Onsite Registration

o 10:00 - 10:30:   Official opening ceremony

o 10:30 - 10:50:   Keynote speakers

•Professor Gianfranco Pintus, MSc, PhD, FRSB, FRSM

From Oxidative Stress to AI-Driven Vascular Medicine: Bridging Redox Biology, Omics, and Clinical Translation

o 10:50 - 11:10:

•Professor Thakif El Khassawena

AI in health sciences and care, status que and ethical challenges

o 11:10 - 12:00: Coffee break & Poster session

o 12:00 - 13:40: Scientific sessions 1

The First International Conference of Artificial Intelligence in Health Sciences

Hall B Radiology Moderators Prof. Dr. Bassam Shakhreet Dr. Moh'D Kh.I. Almatari	Hall A Medical Laboratories Moderators Prof. Dr. Maher Obeidat Prof. Dr. Hala I. Al-Daghistani
• **Dr. Amer Ayasrah** Application of Artificial Intelligence in Medical Imaging Education at Zarqa University • **Mr. Ahmad Elian** Purpose Medical imaging diagnosis faces challenges, including low-resolution images due to machine artifacts and patient movement. • **Dr. Laith Badarneh** The clinical applications of artificial intelligence (AI) in radiology, highlighting both its interpretative and non-interpretative uses • **Dr. Areej Sarayrah** Development and evaluation of machine learning models for predicting isocitrate dehydrogenase (IDH) mutation status (mutated vs. wildtype) using radiomic features extracted from advanced imaging modalities.	• **Dr. Loay Abuqatouseh** AI vs genomic-guided approaches for the optimal therapeutic management of patients with hypothyroidism in Jordan • **Dr. Omer Abu Yaman** Strengths and Weaknesses of ChatGPT Models for Scientific Writing About Medical Vitamin B12: Mixed Methods Study • **Dr. Deeb Bashish** Design an Ensemble Pretrained Deep Learning Model for Classification of Melanoma Skin Cancer Images • **Dr. Walid Aburayyan** The Role of Artificial Intelligence in the Diagnosis, Interpretation, and Therapeutic Management of PPARG Gene Polymorphism in Diabetes Mellitus • **Dr . Nur Siam** • **Eng . Eman Arabyat** From Raw Input to Real Impact – The HCT Datathon Experience

- 13:40-14:15 : Coffee break & Pray time
- 14:15-16:00: Scientific sessions 2

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Hall B Nutrition and Physiotherapy Moderators **Prof. Dr. Moawiya A. Haddad** **Prof. Dr. Gianfranco Pintus** **Dr. Lara Khlaifat**	Hall A Pharmacy Moderators **Prof. Dr. Yousef Al-Hiari** **Dr. Shereen Arabiyat**
• **Prof. Dr. Salvatore Parisi** online " AI-based Testing Methods and Food Allergen Detection against Labelling Errors and Frauds" • **Dr. Jennifer Muhaidat** • **Dr. Maha Tayseer** AI: Applications in Physical Therapy • **Dr. Ghadeer Othman** AI-Enhanced Personalized Nutrition: Gut Microbiota and Dietary Interventions in Obesity and Diabetes" • **Dr Thamer Altaim** Bridging Evidence and Practice: Clinical Translation of LLM-Based Decision Support and Multimodal Sensor Data in Physical Therapy	• **Prof. Dr. Nancy Hakooz** Knowledge, Perception, and Attitudes Towards AI-Enabled Smart Therapeutics Among Pharmacists and Pharmacy Students: A Survey Study • **Prof. Dr. Rana_Abufarha** Evaluating the Performance of AI Language Models in Detecting Pediatric Medication Errors Across Languages: A Comparative Study • **Dr. Mohanad Odeh** Pharmaceutical innovation. The gap between knowledge, attitude, and perceptions among pharmacists and pharmacy students: a comparative and cross-sectional study • **Dr. Alaa Alquraan** Enhancing Public Health Intelligence Through Artificial Intelligence: A Practical Roadmap for Jordan and the Eastern Mediterranean Region • **Dr. Alaa Altamimi** Predicting the Treatment Response of Type 2 Diabetic Patients to Sitagliptin Using Machine Learning Techniques

- 16:00 -17:00: Lunch
- 17:00-17:30: Closing & recommendations

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Day two 30-11-2025

- **Mastering ChatGPT & AI Prompt Engineering: An Allied Medical Professions Perspective**

Renad Alzghoul, PharmD, MSc

Timetable (10:00-14:00) Hall A

15 minutes - Introduction
30 minutes - Session 1: Basic background and concepts of AI, Generative AI, and Prompt Engineering
45 minutes - Session 2: Principles of good prompt design
15 minutes - Break
45 minutes - Session 3: Practical tips & tricks for optimizing ChatGPT interactions
30 minutes - Session 4: ChatGPT settings and useful features
30 minutes - Session 5: Case scenarios and hands-on exercises
30 minutes - Q&A; & Wrap-Up

- **AI and Bioinformatics in Healthcare**

  Balqees Mansour, Bioinformatician, MSc

  Timetable (10:00-14:00) Hall B

  10:00 - 10:45 Session 1:
  Introduction to Bioinformatics: The Data Revolution
   Foundational concepts, key databases (NCBI, ClinVar), and the necessity of data in medicine.
  15 minutes - Break
  11:00- 12:00 Session 2:
  Practical Bioinformatics: Genomic Variant Analysis Hands-on case study: identifying and classifying a disease-associated genetic variant (SNP) using accessible web tools.
  30 minutes - Break
  12:30 - 14:00 Session 3:

  AI and Bioinformatics in Healthcare: Applications and Future Core AI concepts, major applications in diagnostics, and personalized medicine.