

IMPERIAL

AI for Healthcare Centre

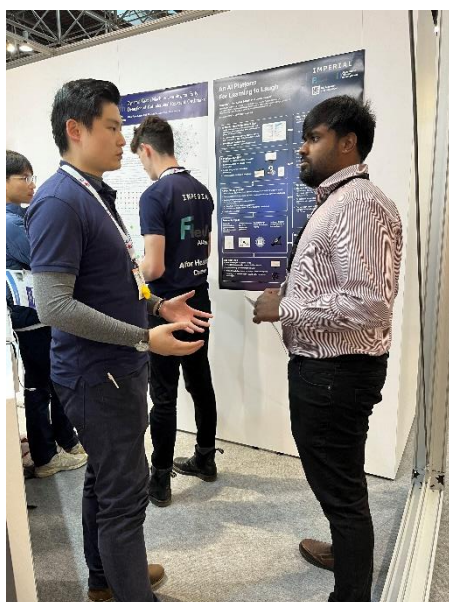


Medica 2024

The AI for Healthcare Centre at Imperial College London proudly showcased its cutting-edge research and innovative approaches to healthcare at **Medica 2024**, held in Düsseldorf from 11th November to 14th November 2024.

MEDICA 2024 is one of the largest and most influential trade fairs for medical technology and healthcare in the world. It is held annually in Düsseldorf, Germany, and typically attracts over 5,800 exhibitors from 72 countries and more than 83,000 professional visitors from across the globe. This makes it a significant platform for innovation, networking, and showcasing cutting-edge technologies in the healthcare sector.

As a Centre for pioneering advancements in artificial intelligence, we were thrilled to engage with healthcare professionals, industry leaders, and researchers from around the world.



Medica Health IT Forum

On 13th November, our PhD researchers took centre stage at the MEDICA HEALTH IT FORUM, a prominent platform for discussions on data-driven healthcare innovations.

The forum provided an excellent opportunity for our researchers to share their cutting-edge work with an engaged and diverse audience. Alongside presentations, attendees explored exhibits and insights from leading universities and research institutions, offering a comprehensive perspective on how AI is transforming healthcare



Under the headline of **“Transforming Healthcare with AI: Innovative Research from Future Innovators”** our PhD researchers showcased their groundbreaking contributions:

Oskar Fraser-Krauss

Research Topic: Dynamic Graph Machine Learning for Early Detection and Characterisation of Antimicrobial Resistant Outbreaks from Acute Care Data

Oskar Fraser-Krauss introduced his research leveraging dynamic graph machine learning to address antimicrobial resistance (AMR). His model provides early detection and precise characterisation of AMR outbreaks, equipping healthcare providers with tools to reduce risks and improve patient outcomes.



Ruoyu Hu

Research Topic: An AI Platform for Learning to Laugh: A New Approach to Develop a Sense of Humour

Ruoyu Hu presented his innovative AI platform, designed to enable artificial intelligence to learn and mimic human emotional responses to humour. His work explores new dimensions of human-AI interaction, with potential applications in enhancing patient well-being and developing novel therapeutic solutions.

