



## **Connected Health for Clinicians - Beyond the Virtual Consultation**

(Activity Code: AGI-03-P99)

**Monday 31<sup>st</sup> of January 6-7:30pm via WebEx**

### **Aim:**

This session is intended to provide the learner with an introduction to connected healthcare, to explore applications of digital health approaches and evaluate the impact of such approaches on specific healthcare systems, disease settings and precision medicine.

### **Learning objectives:**

1. Articulate the nature of connected healthcare, the drivers, and the enablers.
2. Critically examine the challenges pertinent to the development and implementation of digital health interventions.
3. Describe the variety of applications of digital health interventions that can contribute to connected health.
4. Appraise the evidence supporting digital health interventions with a view to assessing their suitability for implementation into clinical practice.

### **Speakers:**

- **Dr Rob Argent** - CORU registered Physiotherapist with clinical and research experience in rehabilitation medicine and digital health at the Royal College of Surgeons in Ireland (RCSI)
- **Dr Susu Zughailer** - Associate Professor of Microbiology. College of Medicine, QU Health, Qatar University

<b>Event Schedule</b>	
<b>Speaker</b>	<b>Topic and schedule</b>
<b>Dr. Rob Argent 6-7:30pm</b>	Articulate the nature of connected healthcare, the drivers, and the enablers. Critically examine the challenges pertinent to the development and implementation of digital health interventions. Describe the variety of applications of digital health interventions that can contribute to connected health. Appraise the evidence supporting digital health interventions with a view to assessing their suitability for implementation into clinical practice.
<b>Moderator 6 – 7:30pm</b>	Case study and discussion

\* The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest.

\* This activity is an Accredited group learning activity (Category 1) as defined by Department of Healthcare Professions - Accreditation Section (DHP - AS) and is approved for a maximum number of 1.5 Hours.

\* CPD-HP (QU—Health) is accredited by Department of Healthcare Professions - Accreditation Section (DHP – AS) as a provider of continuing professional development.



### Dr Rob Argent BSc (Hons) Physiotherapy, PhD

Dr Rob Argent is a CORU registered Physiotherapist with clinical and research experience in rehabilitation medicine and digital health. At the Royal College of Surgeons in Ireland (RCSI) he leads modules on both the undergraduate and postgraduate courses of the 'Future Pharma: Beyond the Pill' programme which is funded by the Irish Higher Education Authority.

As a qualified Physiotherapist, Rob spent several years working in the UK's NHS in musculoskeletal rehabilitation. With an interest in improving efficiency and standards of care by utilising innovative technology-driven methods, he moved to Ireland to undertake a PhD in University College Dublin with Prof. Brian Caulfield as part of a European-wide Connected Health programme. His PhD research was based on the design and development of a wearable technology platform supporting patients in orthopaedic rehabilitation. As well as an extensive clinical background, Rob has experience in innovation and entrepreneurship, machine learning applications, user experience and usability research, and user centred design.

Rob has since worked at the Insight Centre for Data Analytics in University College Dublin on industry funded research projects concerning digital biomarkers and wearables. Dr Argent has been a member of ENJECT, the European Network for Joint Evaluation of Connected Health Technologies, and in the final year of his PhD led a team working on a proof-of-principle grant to explore the commercial opportunity of the system developed as part of his research.

Rob joined RCSI in March 2020 and his primary research interest is in patient facing digital health applications, often utilising wearable devices.

Dr. Susu Zughaier



### Dr Susu M. Zughaier MD

Dr. Susu Zughaier Associate Professor of Microbiology and Immunology.

Trained as a clinical microbiologist, earned a Diploma in Clinical Microbiology, University College London in 1991; MSc in Medical Microbiology in 1994 and PhD in Microbiology and Immunology from Cardiff University, UK in 1999.

She did her postdoctoral training at Harvard Medical School in Boston, USA before joining Emory University in 2001. Dr. Zughaier was an Assistant Professor at the Department of Microbiology and Immunology, Emory University School of Medicine in Atlanta, USA before joining Qatar University College of Medicine in Fall 2017.

Her research interests are focused on host-pathogen interactions and vaccine development. She investigates antibiotic resistance mechanisms and implements nanotechnology for rapid detection of bacterial infections. Her translational research is focused on vitamin D immune modulatory effects.

To date, Dr. Zughaier published more than 55 scientific research papers and awarded two patents on her discoveries. Her H-index is 29 (Google Scholar) and listed among the top 2% of highly cited authors with



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impact in their field. She is an active member of the American society of Microbiology (ASM) and serves as the Scientific Microbiology Councilor for the International Endotoxin and Innate Immunity Society.

Dr Zughair also serves on Women, Diversity and Equity Committee of the International Society of Leukocyte Biology. She is an expert in Meningococcal and Gonococcal nanovaccines and therefore served as consulted for Pfizer and the World Health Organization (WHO).

In 2019 she joined Bacterial Vaccines Experts Network (BactiVac), University of Birmingham UK. She serves as Guest Editor, editorial board member and ad-hoc reviewer for multiple international journals.