The main aim of the proposed workshop was to create a platform of collaboration on digital healthcare solutions for ‘Transforming Health and Care Beyond the Hospital’ – one of the key themes set by UKRI. We have considered Smart healthcare as a socio-technical challenge, and therefore, found it essential to promote research of an interdisciplinary nature, involving computer scientists, subject experts, social scientists, and communication experts who can address problems from different points of view by combining their expertise.

The event was organized with the help of, who functioned as panellists, mentors, and members of the jury.

- Dr David Bell, Reader, Computer Science, Brunel; co-director of STAHR centre and a multi-disciplinary researcher who has applied digital service solutions in health settings.

-Dr Dorota Filipczuk, Software Engineer at Microsoft

A very experienced hackathon organiser who served as the Hackathon Chair for ACM women courage for several years.

-Dr Isabel Sassoon, Senior Lecturer, Computer Science, Brunel; one of the Brunel’s first Open Research Award winners and a co-Investigator on IMMUNE (Immunity Passport Service Design funded by UKRI

-Dr Poonam Yadav, Lect

collaborative research grants.	The winners: Charlie Bradley (PhD student, Brunel Design), Elizabeth Aladejare (MSc Student, Data Science, Computer Science, Brunel) and Mit Trivedi (MSc Human Resource Management, Business School, Brunel) proposed BreatheFreely which investigated effective monitoring of Asthma patients. Two runner-up projects: Keyur Mevada (MSc Data Science, Brunel) project on E-Health Passbook: A portable Electronic Medical Health record application that securely captures and stores comprehensive patient history and serves as a foundation for future health technology advancements through seamless IoT integration Kei Long Cheung, PhD (Senior Lecturer, Public Health) and Isabel Sassoon, PhD (Senior Lecturer, Computer Science)'s project on Argument-based AI Chatbot for Smoking Cessation. Their project aims to innovate computer-tailored health communication programs (e.g., aiding smoking cessation and physical activity) by building a chatbot based on combining Computational Argumentation (an A.I. approach) with an integration of behaviour-change theories.

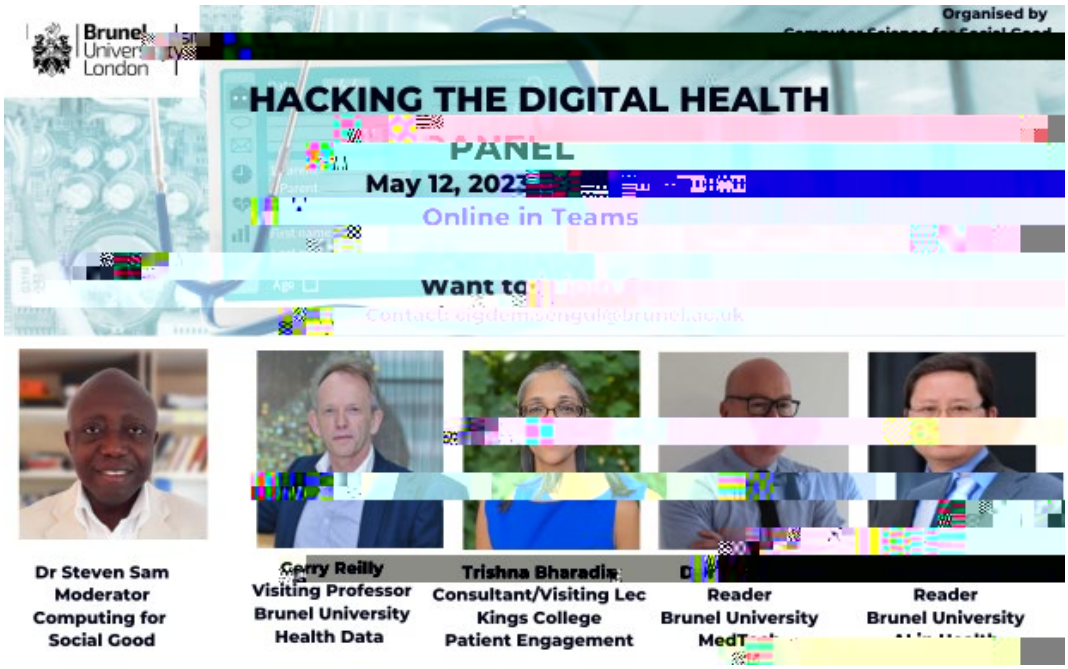

Figure 1 - Panel Day 1 (Online)

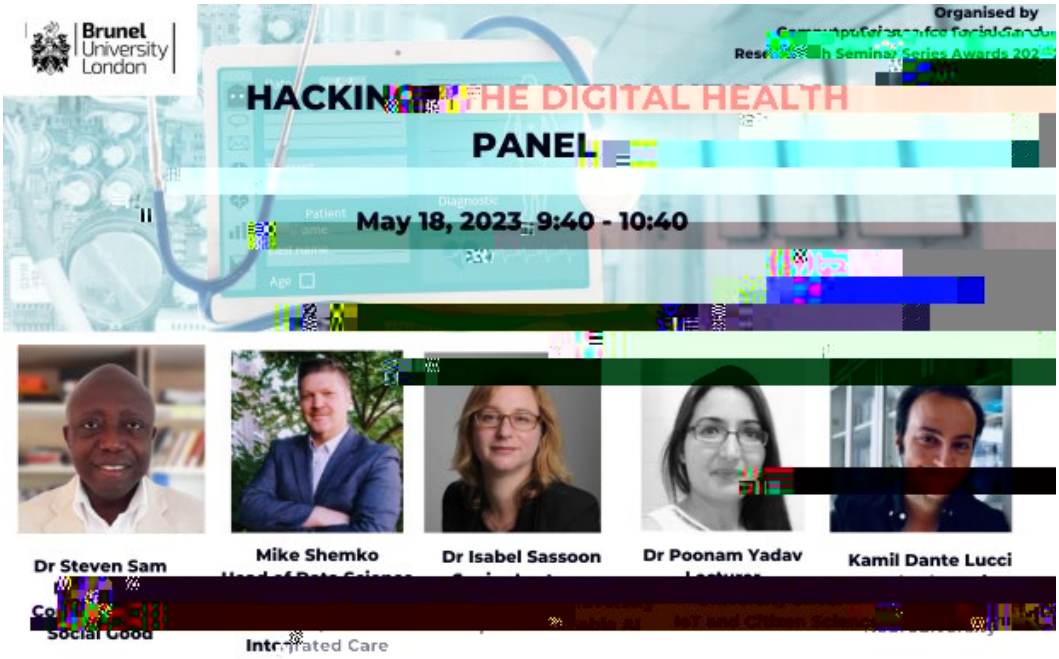

Figure 2 - Panel Day 2 (Hybrid)

The hackathon helped initiate a conversation on digital health that is interesting, informative, and valuable to:

- Established computing research professionals with strong interests and/or viewpoints about digital health.
- Younger computing researchers, including MSc and PhD researchers, who are interested in exploring a career path in digital health.
- Research colleagues whose interests focus on areas and disciplines where advanced computing, data science, artificial intelligence, and related capabilities represent an existing or emerging enabler for digital health.
- Industry technologists and policymakers interested in shaping the future of digital health.
- Research policy professionals and those concerned with the advancement of digital health research in a larger societal or economic context.
- Science and technology communicators and others interested in the emergence of new digital health paradigms.

The co-creation activity is expected to lead to new collaborations, seeding new research projects, and exciting demonstrations for dissemination.