**Programme**

The workshop has four thematic sessions over two days. It will open with a perspective from people with lived experience of epilepsy. In the first session, experts in mathematical and data-based modelling will explore how data gathered from wearables can be used in seizure forecasting and designing interventions to prevent the occurrence of seizures.

The second session sees experts from the wearables and neurotechnology industries explore how seizure triggers could be monitored at home using smartwatches, mobile apps, and EEG headsets.

On day two, the third session focuses on the views from clinicians on how various triggers affect the occurrence of seizures. Finally, the last session, a combination of a panel discussion and a round table discussion, will discuss best practices and future requirements to support early career researchers to thrive in the epilepsy research community.

**Day 1: June 26, 2023**

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| *Registration, coffee and welcome by workshop organisers: 8:30-9:00* |
| **Session 1:  Extracting information – Modelling perspectives** 9:00 -12:30The session opens with individuals with lived experience of epilepsy to then move into mathematical modelling. We will bring in experts in mathematical and data-based modelling to explore how we could use the data gathered from wearables towards seizure forecasting and designing interventions to prevent the occurrence of seizures. |
| **Chair: Prof Stephen Coombes** (University of Nottingham, UK) |
| 9:00 - 9:30 **Prof John Terry** (University of Birmingham, UK) |
| 9:30 - 10:00 **The Lived Experience Perspective**  |
| *Coffee/Tea break 10:00-10:30* |
| 10:30 - 11:10 **Dr Yujiang Wang** (Newcastle University, UK) |
| 11:10 - 11:50 **Dr Christophe Bernard** (Aix-Marseille Université, France) |
| 11:50 - 12:30 **Dr Christian Meisel** (Charité-Universitätsmedizin Berlin, Germany) |
| *Lunch 12:30-13:30* |
| **Session 2: Monitoring triggers – Industry perspectives** 13:30-16:00 Personalized health monitoring devices and apps could help in long-term monitoring of seizure occurrence and associated triggers, and therefore seizure management and prevention. The goal of this session is to bring experts from industry in the wearables and neurotechnology domains to explore how seizure triggers could be monitored at home using smartwatches, mobile apps, and EEG headsets.  |
| **Chair: Prof John Terry** (University of Birmingham, UK) |
| 13:30 - 14:10 **Dr Leon Brudy** (Garmin Health, Germany) |
| 14:10 - 14.50 **Dr. Jonas Duun-Henriksen** (UNEEG Medical, Denmark) |
| 14:50 – 15:30 **Dr Yolanda Hill** (Neuronostics, UK) |
| *Coffee/Tea break 15:30-16:00* |
| **Session 3: Poster session** 16:00 – 18:00This session provides an opportunity for all attendees to present their work and to engage with other participants.  |
| Flash slide presentations 16:00-16:30 |
| Poster session & drinks 16:30-18:00 |
| *Workshop dinner 19:00 onwards* |

**Day 2: June 27, 2023**

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| *Registration, coffee and welcome by workshop organisers: 9:00-10:00* |
| **Session 4: Seizure triggers – Clinical perspectives** 10:00-12:00In this session, clinicians will provide their perspectives on how various triggers affect the occurrence of seizures. |
| **Chair:** **Dr** **Rajiv Mohanraj** (Manchester Centre for Clinical Neurosciences, UK) |
| 10:00-10:40 **Dr Manny Bagary** (Birmingham and Solihull Mental Health NHS  Foundation Trust, UK) |
| 10:40-11.20 **Prof Stefano Seri** (Birmingham Women's and Children's NHS Foundation  Trust, UK) |
| 11:20-12:00 **Dr Shanika Samarasekera** (University Hospitals Birmingham NHS  Foundation Trust, UK) |
| *Lunch 12:00-13:30* |
| **Session 5: Early Career Research Symposium** 13:30 – 16:00This interactive session will enable discussion on the best practices and future directions to support early career researchers to thrive in the epilepsy research community.  |
| Panel discussion 13:30 – 14:30  |
| **Chair:** **Prof Andrew Bagshaw** (University of Birmingham, UK)**Panellists**: **Prof Stephen Coombes** (University of Nottingham, UK), **Prof John Terry** (University of Birmingham, UK), **Dr Yujiang Wang** (Newcastle University, UK) |
| Round table discussion among all participants 14:30 – 15:30  |
| **Facilitators: Dr Isabella Marinelli, Dr Aravind Kumar Kamaraj,** and **Dr Yingjing Feng** (University of Birmingham, UK) |
| *Poster Competition: Results and Winner* 15:30 -15:40 |
| *Closing remarks* 15:40 - 15:50 |