Programme

## Day 1: June 12, 2024

Room: Pevsner Room

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| *Registration, coffee and welcome by workshop organisers: 8:30-9:00* |
| Introduction and the Lived Experience Perspective 9:00 -10:00 |
| 9:00 - 9:20 | Prof. John Terry (University of Birmingham, UK) |
| 9:20 - 10:00 | Mr Jack Lloyd and Ms Edwina Peacock - Lived Experience Perspective |
| *Coffee/Tea break 10:00-10:30* |  |
|  Session 1:  Treatments  10:30 -12:30 |
| The session will be opened by individuals with lived experience of epilepsy, and then moves into the treatment strategies for epilepsy. We will bring in academics and clinicians to explore different treatments such as antiseizure medication and surgery and their effects on an epileptic brain.  |
| Chair: Dr Wessel Woldman (University of Birmingham, UK) |
| 10:30 - 11:10 | Dr Michael Rust Carter (University Hospitals Bristol and Weston NHS Foundation Trust, UK) |
| 11:10 - 11:50 | Dr Mangor Pedersen (Auckland University of Technology, New Zealand) |
| 11:50 - 12:30 | [Prof. Maeike Zijlmans](#MaeikeZijlmans) (University Medical Center Utrecht, Netherlands) |
| *Lunch 12:30-13:30* |
| Session 2: Brain stimulation 13:30-16:00  |
| In this session, interdisciplinary researchers and industrial partners will present their work on brain stimulation (e.g., Vagus Nerve Stimulation and Deep Brain Stimulation) as an alternative treatment for epilepsy. |
| Chair: Prof. Clare Anderson (University of Birmingham, UK) |
| 13:30 - 14:10 | Dr Rachel June Smith (University of Alabama at Birmingham, US) |
| 14:10 - 14.50 | Dr Shanika Samarasekera (Queen Elizabeth Hospital, UK) |
| 14:50 – 15:10 | Ms Anna Leat (Queen Elizabeth Hospital Birmingham, UK) |
| *Coffee/Tea break 15:10-16:00* |
| Session 3: Networking & Poster Session 16:00 – 18:00 |
| This session provides an opportunity for all attendees to present their work and to engage with other participants. |
| *Workshop dinner at the White Swan, Edgbaston (Birmingham) 19:00 onwards* |

Day 2: June 13, 2024

## Room: The Writers' Suite

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| *Coffee and welcome by workshop organisers: 9:00-10:00* |
| Session 4: Animal models 10:00-12:00 |
| In this session, we will explore how animal models and a range of techniques (e.g., optogenetics) can be used to improve our understanding of seizure initiation and termination in an epileptic brain. |
| Chair: Dr Alfredo Gonzalez-Sulser (University of Edinburgh, UK) |
| 10:00-10:40 | Prof. Carola Haas (University of Freiburg, Germany) |
| 10:40-11.20 | Dr Joseph Valentino Raimondo (University of Cape Town, South Africa) |
| 11:20-12:00 | Dr Gareth Morris (University of Manchester, UK)  |
| *Lunch 12:00-13:30* |
| Session 5: Meet the SMQB team 13:30 – 16:00 |
| During this session, members of the Centre for Systems Modeling & Quantitative Biomedicine (SMQB) will showcase their work and present challenges with the aim to stimulate discussion with workshop participants and foster potential collaborations. |
| Facilitator: Dr Isabella Marinelli (University of Birmingham, UK) |
| Short presentations of the proposed challenges 13:30 – 13:40  |
| Round table discussion among all participants (round 1) 13:40 – 14:30  |
| *Coffee/Tea break 14:30-15:00* |
| Round table discussion among all participants (round 2) 15:00 – 16:00  |
| *Closing remarks 16:00-16:10* |