

Co-creation of digital health technologies for the management of functional neurological disorders in the community

The workshop is designed to foster a creative and inclusive environment where people with functional neurological disorders, healthcare professionals, researchers, technologists, and other relevant experts can work together to design and refine digital tools that support self-management, address the treatment gap, and improve the quality of life for those affected by functional neurological disorders (FNDs).

October 11, 2023, University of Central Lancashire, Preston

Registration, coffee and welcome by workshop organisers: 8:30-9:00

Session 1: FND Needs and Challenges 9:00 - 12:00

The workshop opens with collaborative and participatory session aimed at Identifying Needs and Challenges for individuals with functional neurological disorders (FNDs). Participants will collectively identify the needs and challenges faced by individuals with FNDs when it comes to self-management. This step lays the foundation for the co-creation of the digital health care solutions.

Chair: Prof. Alan Carson (University of Edinburgh)

9:00 - 9:30 **Prof. Jon Stone** (University of Edinburgh)

9:30 - 10:00 **FND Hope UK's executive director, Dawn Golder**

10:00 – 10:30 **Prof. Richard Brown** (The University of Manchester)

Coffee/Tea break 10:30-11:00

11:00 - 11:20 **Dr. Glenn Nielsen** (St George's, University of London)

11:20 - 11:40 **Dr. Mahinda Yogarajah** (UCL Queen Square Institute of Neurology)

11:40 - 12:00 **Dr. Rajiv Mohanraj** (Manchester Centre for Clinical Neurosciences)

Lunch 12:00-13:00

Session 2: FND Treatment Gap 13:00-17:00

A collaborative and participatory session aimed at discussions on the Treatment Gap in FND. Due to FND's nature, medical and surgical treatments may be unlikely to be effective for most individuals, as they are typically designed for structural or degenerative neurological conditions. Then, in chronic illnesses, personalized health monitoring devices and apps have the potential to aid in long-term monitoring and facilitating management via community health services. Therefore, the end goal is to provide guidance on the treatment gap that may be addressed with digital health technologies.

Chair: Prof. Jon Stone (University of Edinburgh)

13:00 - 13:30 **Prof. Alan Carson** (University of Edinburgh)

13:30 - 14:00 **Prof. Francis McGlone** (Liverpool John Moores University)

14:00 – 14:30 **Prof. Kia Nazarpour** (University of Edinburgh)

Coffee/Tea break 14:30-15:00

15:00 – 15:20 **Dr. Timothy Nicholson** (King's College London)

15:20 – 15:40 **Dr. Susannah Pick** (King's College London)

15:40 – 16:00 **Dr. Chris Symeon** (St George's University Hospitals NHS Foundation Trust)

Session 3: Patient and Public Involvement (PPI) Discussion 16:00 – 16:50

Patient and Public Involvement (PPI) discussions led by **Dr. Verónica Cabreira** (MD, MSc). Industry participants, g.tec medical engineering GmbH, Nudge Reality Limited, BrainPatch™, Hobbs Neurological Rehabilitation. Dr. Cabreira will guide the PPI activity, ensuring that all participants have a chance to contribute, and discussions remain focused and productive for gap analysis of therapeutic solutions in FND. Tea/Coffee will be available.

Closing remarks 16:50 - 17:00

Save the date, 25th June 2024, for the Special Session on Economics of Inequality in Health Care at the 4th Development Economics Conference at the University of Lincoln. We will organize a parallel session on digital technology assessment for the management of functional neurological disorders in the community.