

## Innovative data science for Alzheimer's research

Data Workshop on Deep and Frequent Phenotyping in Neurodegeneration

09 – 11 October 2018

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### Agenda

The British Library  
1<sup>st</sup> floor  
96 Euston Road  
NW1 2DB, UK

The Alan Turing Institute is located on the first floor of the British Library and can be accessed via the main doors from 09:30 onwards. Please allow 10 minutes for queuing when planning your journey.

#### Day 1

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|---------------|--|
| 10:00 – 10:30 | Registration   |
| 10:30 – 10:40 | Introduction and welcome – Terry Lyons (The Alan Turing Institute and University of Oxford)  |
| 10:40 – 11:00 | <b>Objectives and challenges</b> – Dennis Chan (University of Cambridge)   |
| 11:00 – 11:20 | <b>DFP study overview</b> – Jen Lawson (University of Oxford)  |
| 11:20 – 11:35 | Coffee break   |
| 11:35 – 12:05 | <b>Open research practices: beyond data sharing</b> – Lara Mangravite (Sage Bionetworks)   |
| 12:05 – 12:35 | <b>DPUK data portal</b> – Sarah Bauermeister (University of Oxford)  |
| 12:35 – 13:15 | Lunch  |
| 13:15 – 14:45 | <b>DFP data modality presentations:</b><br>Ophthalmology – Imre Lengyel (Queen's University Belfast)<br>PET imaging – Roger Gunn (Imperial College London)<br>MRI imaging – Tom Whyntie (University of Oxford)<br>E/MEG imaging – Andrew Quinn (University of Oxford)<br>Gait – Christopher Buckley (Newcastle University)<br>Cognitive assessment – Francesca Cormack (Cambridge Cognition) |
| 14:45 – 17:15 | Datathon – coffee and tea available  |
| 17:15 – 17:45 | Group discussion   |
| 17:45 – 18:30 | Networking reception and event closes  |

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#### Day 2

- 10:00 – 10:30      **Detection of transient data using the signature** – Hao Ni (UCL)
- 10:30 – 11:00      **Using signatures to predict amyotrophic lateral sclerosis progression** –  
Imanol Perez (University of Oxford)
- 11:00 – 13:00      Datathon – coffee and tea available
- 13:00 – 13:45      Lunch
- 13:45 – 14:15      **The intersection of epilepsy and dementia - a therapeutic opportunity?** –  
Arjune Sen (University of Oxford)
- 14:15 – 16:00      Datathon – coffee and tea available
- 16:00 – 17:00      Group reports
- 17:00 – 18:00      Event closes
- 18:00 – 20:30      **Turing lecture: How smartphones and wearable technology can help in  
the care of chronic illnesses** – Stephen Friend at Wellcome Collection (Sage  
Bionetworks)

#### Day 3

- 10:00 – 13:00      Datathon – coffee and tea available
- 13:00 – 14:00      Lunch
- 14:00 – 15:30      Datathon – coffee and tea available
- 15:30 – 17:00      **Wrap up and panel discussion** – Terry Lyons (The Alan Turing Institute and  
University of Oxford), Simon Lovestone (University of Oxford), Lotty Davies  
(Alzheimer's Society) and Vanessa Raymont (University of Oxford)