



4th UK Dementia MRI Conference

1st July 2019

St Anne's College, University of Oxford, OX2 6HS

We are pleased to announce that the **4th UK Dementia MRI Conference** will take place at the University of Oxford on **1st July 2019**. This conference will build on three successful prior meetings, which have provided much-needed platform for clinicians and researchers to discuss the latest advances and challenges in dementia neuroimaging. This year, we have chosen to focus the conference on leading multi-site and big data dementia imaging initiatives in the UK and Europe.

Conference Programme

| | |
|---|--|
| 8:30 - 9:15 | Registration |
| 9:15 - 9:20 | Opening remarks - <i>Professor Clare Mackay, University of Oxford</i> |
| Session 1: Multi-site Neuroimaging Trials | |
| 9:20 - 9:40 | The Genetic FTD Initiative – GENFI. <i>Dr Jonathan Rohrer, University College London</i> |
| 9:40 - 10:00 | The UK7T Network. <i>Professor Dorothee Auer, University of Nottingham</i> |
| 10:00 - 10:20 | Modelling the associations between general cognitive ability, SES and the brain across the Lifespan: An integrative meta-analysis across 10 Lifebrain cohorts. <i>Dr Rogier Kievit, University of Cambridge</i> |
| 10:20 - 10:40 | Structural imaging biomarkers in large studies and clinical trials. <i>Dr Josephine Barnes, University College London</i> |
| 10:40 - 11:10 | Coffee & Posters |
| Session 2: Big Data and Population Imaging Markers | |
| 11:10 - 11:30 | The PREVENT-Dementia study: can MR changes be demonstrated 20 years before dementia onset? <i>Professor John O'Brien, University of Cambridge</i> |
| 11:30 - 11:50 | How to avoid cognitive impairment: lessons from the Whitehall II Imaging Study. <i>Dr Anya Topiwala, University of Oxford</i> |
| 11:50 - 12:20 | Big Data in Neuroimaging <i>Dr Gwenaëlle Douaud, University of Oxford</i> |
| 12:20 - 12:40 | 2 Early career researcher speed talks - <i>Abstract submissions, TBD</i> |
| 12:40 - 1:40 | Lunch & Posters |
| Session 3: Multi-site Harmonisation | |
| 1:40 - 2:00 | Harmonising MR acquisition protocols for multi-centre dementia studies - experience and recommendations |

| | |
|---|---|
| | <i>Dr David Thomas, University College London</i> |
| 2:00 - 2:20 | MR data sharing infrastructure (DPUK) <i>Dr David Cash, University College London</i> |
| 2:20 - 2:40 | Harmonising MR analysis across sites <i>Dr Ludovica Griffanti, University of Oxford</i> |
| 2:40 - 3:00 | 2 Early career researcher speed talks - <i>Abstract submissions - TBD</i> |
| 3:00 - 3:30 | Coffee & Posters |
| Session 4: Multi-modal Imaging Targets | |
| 3:30 - 3:50 | MR-PET or PET-MR: does it matter? <i>Professor Karl Herholz, University of Manchester</i> |
| 3:50 - 4:10 | The Deep & Frequent Phenotyping Study. <i>Professor Clare Mackay, University of Oxford</i> |
| 4:10 – 4:45 | Keynote Lecture: European Prevention of Alzheimer’s Dementia Consortium. <i>Professor Frederik Barkhof, VU University Amsterdam</i> |
| 4:45 - 5:15 | Panel discussion: What do the dementia imaging community need to facilitate multi-site MR studies? |
| 5.15 – | Prizes and Closing Remarks, followed by the reception |

Registration and Abstract Submission

To register for the conference and submit an abstract, please follow this link:

<https://www.oxforduniversitystores.co.uk/conferences-and-events/department-of-psychiatry/events/uk-dementia-mri-conference-2019>

We encourage abstract submissions for posters and talks from PhD students and early career postdocs. Please email a 400 word abstract to Dr Sana Suri (sana.suri@psych.ox.ac.uk) with the following information. Title, Authors and affiliations, Background, Methods, Results, Conclusions. Please also indicate whether you prefer a poster or oral presentation, or both. Abstracts with incomplete information will not be considered.

Deadline for registration is **26th June 2019**.



This conference is generously supported by Alzheimer’s Research UK (the UK’s leading dementia research charity), the Wellcome Centre for Integrative Neuroimaging, and the NIHR Oxford Health Biomedical Research Centre.