

FINAL PROGRAMME

09:00 - 09:55 **Coffee and registration**

09:55 - 10:00 **Introduction** Dr Janet De Wilde

Multicentre Neuroimaging – chair: Dr Anna Barnes

10:00 - 10:20 **Functional and Structural Neuroimaging: Reproducibility issues in multicentre MRI studies**

Dr Jorge Jovicich, University of Trento, Italy (Invited Speaker)

10:20 - 10:40 **Design and interpretation of the AIMS study from a calibration experiment**

Dr John Suckling, University of Cambridge

10:40 - 11:00 **Repeatability and reproducibility of cortical thickness using DiReCT and CaliBrain sMRI data**

Dr Gordon Waiter, University of Aberdeen

11:00 - 11:20 **Multicentre Neuroimaging towards Clinical trials: Calibrain, NeuroGrid, NeuroPsyGrid**

Professor Stephen Lawrie, University of Edinburgh (Invited Speaker)

11:20 - 11:40 **Coffee, Posters & Exhibition**

Cancer Screening and Imaging Trials – chair: Dr Dan Wilson

11:40 - 12:00 **Establishing and conducting a Multicentre MRI Clinical Trial: MRI Breast Cancer Screening in Women at High Risk**

Professor Martin Leach, Institute of Cancer Research, The Royal Marsden (Invited Speaker)

12:00 - 12:20 **Experiences of an ongoing multicentre study investigating the use of ¹H MRS to aid the clinical management of childhood brain tumours**

Dr Nigel Davies, Cancer Sciences, University of Birmingham

12:20 - 12:40 **Setting up multi-centre DCE-MRI trials to provide reproducible results**

Dr Jane Taylor, Paul Strickland Scanner Centre, Mount Vernon Hospital

12:40 - 13:00 **Optimization of MRI protocols for repeatability and accuracy in Dynamic Contrast Enhanced MRI measurement of tissue perfusion in cancer patients**

Miss Stephanie Donaldson, The Christie, Manchester (Invited Speaker)

13:00 - 14:00 **Lunch, Posters & Exhibition**

Multi-centre Cardiac Studies – chair: Dr Nick Weir

14:00 - 14:20 **Implications for Multicentred Cardiovascular MRI studies - Consistency of evaluation and validation of techniques**

Professor Graeme Houston, Ninewells Hospital, Dundee (Invited Speaker)

14:20 - 14:40 **Quantitative Assessment of Cardiac Left Ventricular Parameters using MRI Scanners from Two Different Vendors – Implications for Multi-centre Studies**

Dr Stephen Gandy, Ninewells Hospital, Dundee

Practicalities of Multicentre Work – chair: Dr Katherine Lymer

14:40 - 15:00 **Estimation of statistical power in a multicentre MRI study**

Mr Benson M Irungu, University of Dundee

15:00 - 15:20 **Coffee, Posters & Exhibition**

15:20 - 15:40 **A simple and effective method for Quality Assurance of MR spectroscopic data**

Mr Jehill Parikh, University of Edinburgh

15:40 - 16:00 **Automated MRI Quality Assurance Data Collection and Analysis**

Dr David Rodriguez, University of Edinburgh

16:00 - 16:15 **Closing Remarks** Prof Iain Wilkinson / Dr John Thornton

Posters:

- **What can calibration studies tell us about modelling multicentre imaging trials?** Dr John Suckling
- **Protocol design for a multicentre, multimodal functional MR imaging study of childhood tumours** - Dr Nigel Davies
- **Methods in quantitative assessment of knee osteoarthritis – multivendor MR scanner comparison study at 3T** – Dr Sharon Balamoody
- **Multicentre MR Imaging in Scotland** – Dr Katherine Lymer