

Clinical Research in MRI and Medical Physics

Thursday 3rd April 2025

09:25 09:30 Online Joining

Session 1

09:30 09:40 **Introductions & Welcome**

Dr Angela Darekar

09:40 10:10 **Getting Started in Clinical Research**

Panel Discussion

10:10 10:30 **Ethics**

Dr Lucy Kershaw, Edinburgh Imaging Facility QMRI (TBC)

10:30 10:50 **Non-invasive Assessment of Skeletal Muscle Energetics using In Vivo 31-Phosphorus Magnetic Resonance Spectroscopy**

Alimul Chowdhury

10:50 11:10 **Refreshment Break**

Session 2

11:10 11:40 **Good Statistics & Data Management**

Dr Busola Adebuseye, Centre for Medical Imaging, UCL

11:40 12:00 **Publish or Perish**

Prof David Buckley, University of Leeds

12:00 12:20 **Practicalities of Imaging Informatics for Clinical Research – Lessons Learnt**

Heather Rose

12:20 12:40 **Discussion Q&A**

12:40 13:30 **Lunch Break**

Session 3

13:30 13:50 **Money, Money, Money**

Prof Anne-Maree Keenan, NIHR

13:50 14:10 **HbA and HbS Protein Dynamics and Interactions Revealed by Fast Field Cycling NMR**

Kirsten Buniak

14:10 15:20 **Interactive Round Table Discussion: Challenges & Moot Points in Clinical Research**

Dr Angela Darekar, Dr Matthew Birkbeck, Dr David Broadbent

Potential discussion topics include:

- Scanning of healthy volunteers (policies, incidental finding, reporting etc.)
- Use of CE marked/non-CE marked third party equipment (hardware & software)
- How do we embed research into MRI physics and job plans etc.?
- Ethical use of AI in research

15:20 15:30 **Summary of the Day & Close**

Organised in conjunction with the
IPEM MR SIG