Hearts and Minds: A meeting to unite the UK’s cardiac and neuro diffusion MRI communities

- **18th March 2020** - 12:00 – 17:30
- Guy Scadding Building, Imperial College London (Royal Brompton Campus).
- Free to attend
- Poster competition for early career researchers (post-doc and below):
  - 1x £250 prize non-cardiac dMRI (first applications in the heart, potential cardiac applications of existing diffusion MRI technique)
  - 1x £250 prize, cardiac dMRI
- Chairs:
  - Sonia Nielles-Vallespin (RBH)
  - Derek Jones (CUBRIC)
- “The UK is a hotbed of world leading diffusion MRI and cardiac MRI research, and this meeting aims to bring together those with an interest in diffusion MRI applied in the heart, central nervous system and beyond.”

**12:00 – 13:00:**
Light lunch in the refectory and poster setup.

**13:00 – 13:10**
Introduction

**13:10 – 13:30:**
Cardiac microstructure and how it differs from the brain microstructure (Philip Kilner, RBH)

**13:30 – 13:50:**
Cardiac MRI for neuroimagers (Vivek Muthurangu, UCL)

**13:50 - 14:10:**
Diffusion MRI for cardiologists (Gareth Barker, KCL)

**14:10 – 14:30:**
Ex-vivo cardiac diffusion MRI (Jurgen Schneider, Leeds)

**14:30 – 15:20:**
Coffee in the refectory and poster judging

**15:20 – 15:40:**
In-vivo cardiac diffusion MRI (Christian Stoeck, ETH)

**15:40 - 16:00:**
Fibres, myofibres, sheets and sheetlets: Processing and the parameters of interest in neuro and cardiac diffusion MRI (Pedro Ferreira, RBH)

**16:00 – 16:20:**
Clinical Research Results in cardiac diffusion MRI (Rina Ariga, Oxford)

**16:20 - 16:40:**
Cardiac diffusion MRI future directions and unmet needs (Alistair Young, KCL)

**16:40 – 17:10:**
What can cardiac diffusion MRI learn from neuroimaging (and vice versa!)? (Daniel Ennis, Stanford)

**17:10 – 17:30:**
Closing remarks and discussion

**17:30 –:**
Pub.