SIEMENS

King's College London
& Guy's and St Thomas'
PET Centre

K ING'S
College
LONDON

King's College London Course on Simultaneous PET–MR: Science and Practice 2021

ONLINE Course: 19–21 May 2021

MS TEAMS - Online Course
(Live lectures/interactive sessions)

We offer a three-day course (CPD recognition applied for) for the novel technology of PET-MR. The first day will review either PET or MR theory separately for people with a background in the respective other modality.

We will then cover the new simultaneous PET-MR scanners in terms of technology and applications. There will be online lectures, virtual scanner tours, interactive Active Learning sessions, workshops and sessions on reading scans together with clinicians.

Upon completion of this course, participants will be able to demonstrate understanding for PET or MR (whichever the modality they were not familiar with before), the principles of PET-MR, its clinical and scientific uses, with knowledge of opportunities and limitations.

COURSE DIRECTORS

Professor Alexander Hammers, MD PhD
Professor (Honorary Consultant) of Imaging and Neuroscience; Head of the King's College London & Guy's and St Thomas' PET Centre

Professor Andrew Reader, PhD
Professor of Imaging Sciences, School of Biomedical Engineering and Imaging Sciences, King's College London

WHAT DOES THE COURSE COVER?

First day (participants separated according to background): Either

- MR basic physics, sequences, reconstruction, analysis; applications for brain, heart and cancer – **or:**
- PET basic chemistry, physics/acquisition, reconstruction, analysis; applications for brain, heart and cancer

Second and third days: PET-MR

- Session on either a PET or MR scanner, and then a PET-MR scanner
- History, current state-of-the-art instrumentation
- PET-MR specific MR sequences
- Practicalities
- Data correction (attenuation, motion)
- PET-MR specific image reconstruction and processing
- Reading of clinical scans with the experts

FIND OUT MORE

Administrator Jas Bains
teachingadmin-imaging@kcl.ac.uk

Further details, fees and online application
https://bit.ly/3vbzcRm

School of Biomedical Engineering and Imaging Sciences
www.kcl.ac.uk/imaging