

Positron Emission Tomography: Technology and Application

Course Programme: 20-22 April 2020

Monday 20 April 2020

Session

08:30 – 09:00	Registration
09:00 – 09:30	Welcome, Housekeeping and PET Course Overview
09:30 – 10:15	Cyclotrons and Isotope Production
10:15 -10:45	Coffee Break
10:45 – 11:30	Carbon-11 Radiochemistry: Basic Principles and Recent Advances
11:30 – 12:15	Ligand Design (1)
12:15 – 13:15	Lunch
13:15 – 14:00	PET in Neurology
14:00 – 15:00	Workshop: Isotopes / Ligand Design / Evaluation / Radiochemistry
15:00 - 15:30	Coffee Break
15.30 – 16.15	PET scanning technology
16:15 – 17:00	Preclinical PET
Evening	Social Event: Local pub orientation (optional)

Tuesday 21 April 2020

09:00 – 09:45	Fluorine-18 Radiochemistry: Basic Principles and Recent Advances
09:45 – 10:30	Radiotracer and Ligand Design (2)
10:30 - 11:00	Coffee Break
11:00 – 11:45	PET scanning – practical and operational issues
11:45 – 12:30	Modelling (1)
12:30 – 13:30	Lunch
13:30 – 15:00	Workshop 1: Modelling and Image Analysis I
	Workshop 2: Scanning protocols and practicalities for clinical and research PET studies
15:00 - 15:30	Coffee Break
15:30 – 16:15	Radiometals
16:15 – 17:00	PET in Oncology
Evening	Wine Reception at the Gordon Museum (optional)

Wednesday 22 April 2020

09:00 - 10:00	Modelling (2)
10:00 – 11:00	Workshop 1: Preclinical Studies
	Workshop 2: Modelling and Image Analysis II
11:00 - 11:30	Coffee Break
11:30 – 12:15	PET in Drug Discovery and Development
12:15 – 13:00	PET: Past, Present and Future
13:00 – 13:15	Wind-Up and Meeting Close

Notes

- Organisers reserve the right to change the programme.
- Please note the lecture materials are the intellectual property of the lecturers and are not to be duplicated or distributed without permission.