

## Positron Emission Tomography: Technology and Application

**Course Programme: 20-22 April 2020**

**Monday 20 April 2020**

### Session

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

**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)
<b>10:30 - 11:00</b>	<b>Coffee Break</b>
11:00 – 11:45	PET scanning – practical and operational issues
11:45 – 12:30	Modelling (1)
<b>12:30 – 13:30</b>	<b>Lunch</b>
13:30 – 15:00	<b>Workshop 1:</b> Modelling and Image Analysis I
	<b>Workshop 2:</b> Scanning protocols and practicalities for clinical and research PET studies
<b>15:00 - 15:30</b>	<b>Coffee Break</b>
15:30 – 16:15	Radiometals
16:15 – 17:00	PET in Oncology
<b>Evening</b>	<b>Wine Reception at the Gordon Museum (optional)</b>

## Wednesday 22 April 2020

09:00 - 10:00	Modelling (2)
10:00 – 11:00	<b>Workshop 1:</b> Preclinical Studies
	<b>Workshop 2:</b> Modelling and Image Analysis II
<b>11:00 - 11:30</b>	<b>Coffee Break</b>
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.