

# PET Methodology

## Course Programme

**Monday 20 February 2017**

Time	Lecture	Lecturer
09:15-09:30	Registration	
09:30-10:00	Introduction and Overview	Federico Turkheimer
10:00-11:15	Lecture: Introduction to Positron Emission Tomography	Federico Turkheimer
<b>11:15-11:30</b>	<b>Coffee Break</b>	
11:30-12:30	Lecture: Experimental Design of PET studies	Federico Turkheimer
<b>12:30-13:30</b>	<b>Lunch</b>	
13:30-14:30	Practical Session: Experimental Design of PET studies	Federico Turkheimer
14:30-15:30	Lecture: Practical Image Processing	Joel Dunn
<b>15:30-16:00</b>	<b>Coffee Break</b>	
16:00-17:30	Practical Session: PET Image Analysis	Federico Turkheimer, Joel Dunn and Mattia Veronese

**Tuesday 21 February 2017**

<b>Time</b>	<b>Lecture</b>	<b>Lecturer</b>
09:30-10:30	Lecture: Quantification of PET studies 1	Mattia Veronese
<b>10:30-10:45</b>	<b>Coffee Break</b>	
10:45-12:15	Practical Session: Basic Kinetic Modelling	Federico Turkheimer, Joel Dunn and Mattia Veronese
<b>12:15-13:15</b>	<b>Lunch</b>	
13:15-14:00	Lecture: Pharmacological Imaging Concepts	Nisha Singh
<b>14:00-14:15</b>	<b>Coffee Break</b>	
14:15-15:30	Lecture: Quantification of PET studies 2	Federico Turkheimer, Joel Dunn and Mattia Veronese
15:30-17:00	Practical Session: Advanced Modelling Topics	Federico Turkheimer, Joel Dunn and Mattia Veronese

## Wednesday 22 February 2017

Time	Lecture	Lecturer
09:30-10:30	Lecture: Basic Statistics and Analysis of ROI data	Federico Turkheimer
<b>10:30-10:45</b>	<b>Coffee Break</b>	
10:45-11:45	Practical Session: Analysis of ROI data	Federico Turkheimer, Joel Dunn and Mattia Veronese
11:45-12:30	Lecture: Analysis of Parametric Images	Federico Turkheimer
<b>12:30-13:30</b>	<b>Lunch</b>	
13:30-14:30	Practical Session: Analysis of Parametric Images	Federico Turkheimer, Joel Dunn and Mattia Veronese
14:30-15:00	Lecture: Methodological Issues in PET Clinical Studies	Federico Turkheimer
15:00-15:15	<b>Evaluation (Feedback) session and Course Closure</b>	

### 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.