

Schedule

Short Course on:

**Experimental Design and Practical Data Analysis in
Positron Emission Tomography**

2-4 March 2015

Monday 2nd March

9.00 - 09:30 REGISTRATION

9.30 - 10.00 Introduction and Overview
Federico E. Turkheimer

10.00 - 11.15 Lecture: Introduction to Positron Emission Tomography
Federico E. Turkheimer

Coffee

11.30 - 12.30 Lecture: Experimental Design of PET studies
Federico E. Turkheimer

Lunch

13.30 - 14.30 Practical Session: Experimental Design of PET studies
Federico E. Turkheimer

14.30 - 15.30 Lecture: Practical Image Processing
Joel Dunn

Tea

16.00 - 17.30 Practical Session: PET Image Analysis
Federico Turkheimer, Joel Dunn and Mattia Veronese

Tuesday 3rd March

9:30 - 10.30

Lecture: Quantification of PET studies 1

Mattia Veronese

Coffee

10.45 - 12.15

Practical Session: Basic Kinetic Modelling

Federico Turkheimer, Joel Dunn and Mattia Veronese

Lunch

13.15 - 14.00

Lecture: Quantification of PET studies 2

Mattia Veronese

Tea

14.15 - 15.30

Practical Session: Advanced Modelling Topics

Federico Turkheimer, Joel Dunn and Mattia Veronese

15.30 - 17.00

Practical Session: PET data quantification using SAKE

Federico Turkheimer, Joel Dunn and Mattia Veronese

Wednesday 4th March

9.30 - 10.30

Lecture: Basic Statistics and Analysis of ROI data

Federico E. Turkheimer

Coffee

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 E. Turkheimer

Lunch

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 E. Turkheimer

15.00 - 15.15

Evaluation (Feedback) session and Course Closure

NB: THE ORGANIZERS RESERVE THE RIGHT TO ALTER THIS
PRELIMINARY PROGRAM