

**PK Course Schedule**

Key
Social Programme
Tutorials
Lectures
Computer Exercises
Discussion / Breakouts

Theme	Time	Topic	Tutors	
<b>2015 Pharmacokinetic Course</b>				
<b>Wednesday June 24</b>				
Primer 1	9:00	Physics - Primer	Boellaard	
	9:00	Math - Primer	Koeppe	
	9:00	Pharmacology - Primer	Innis	
Primer 2	10:00	Physics - Primer	Sossi	
	10:00	Math - Primer	Slifstein	
	10:00	Pharmacology - Primer	Lammertsma	
	11:00	Coffee + Software Installation		
Introduction	11:30	Images, Image processing, ROIs, Partial Volume	Boellaard	
	12:00	Data Types, Input Functions, Time Activity Curves, Cross-calibration	Price	
	12:30	Lunch		
Modeling Basics	13:30	One-Tissue and Two-Tissue Compartment Models	Gunn	
	14:00	Extraction and Blood Flow	Price	
	14:30	Computer Exercise 1A,B,C: Exponentials Convolutions Extraction		
	15:00	Coffee		
	15:30	FDG and Glucose Metabolism	Sossi	
	15:45	Computer Exercise 2: Models and Rate Constants		
	16:00	Parameter Estimation and Model Selection	Carson	
	16:30	Computer Exercise 3: Parameter Estimation		
	17:00	Questions/Discussion	Gunn	Boellaard
	17:30	Day 1 - Close		
	18:00	Dinner		
<b>Thursday June 25</b>				
	9:00	Questions/Feedback	Koeppe	Price
Receptors and Related Methods	9:30	In-Vitro/In-Vivo Binding and 3 binding potentials	Innis	
	10:30	Coffee		
	11:00	Receptor Kinetics	Lammertsma	
	11:30	Linearizations (Patlak, Logan, others)	Sossi	
	12:00	Guess the Model	Gunn	
	12:30	Lunch		
	13:30	Reference Tissue Approaches	Slifstein	
	14:00	Computer Exercise 5: Reference tissue methods		
	14:30	Irreversible Kinetics	Koeppe	
	15:00	Coffee		
	15:30	Computer Exercise 4: Linear Methods		
	15:45	Steady State Methods	Carson	
	16:15	Computer Exercise 6: Bolus/Infusion		
	16:30	Receptor Kinetics - In Vivo Pharmacology	Carson	
	17:00	Data-driven Methods	Gunn	
	17:30	Day 2 - Close		
	18:00	Dinner		
<b>Friday June 26</b>				
	8:30	Breakout Session with Tutors	All	
	9:30	Coffee		
	10:00	Breakout Highlights	All	
Applications	10:30	Amyloid Ligand Modeling	Price	
	11:00	Dopamine Receptor Imaging	Slifstein	
	11:30	Oncology: Response monitoring and prediction	Lammertsma	
	12:00	Pancreatic beta cell imaging	Carson	
	12:30	Day 3 - Close		