

Program Introduction to Pharmacokinetics

Day 1 – Wednesday 16th of November 2016

Welcome and Introduction – Jan Noukens

09.00h – 09.30h	Program & Introduction of participants
09.30h – 10.00h	Pharmacokinetics – Kinetics of ADME processes

The Physiological Concepts of ADME in Pharmacokinetics – François Rony

10.00h – 11.00h Absorption

Coffee/Tea Break

11.15h – 12.00h Distribution

Lunch Break

13.00h – 14.30h Metabolism

Coffee/Tea Break

14.45h – 15.15h Excretion

15.15h – 15.45h Exercises

Pharmacokinetic Parameters – Jan Noukens

15.45h – 16.45h Volume of Distribution & Clearance

16.45h – 17.30h Exercises



Day 2 – Thursday 17th of November 2016

Pharmacokinetic Parameters, cont'd – Jan Noukens

09.00h – 10.30h PK after single intravenous dose

Coffee/Tea Break

10.45h – 11.45h Exercises

11.45h – 12.30h PK after single extravascular dose

Lunch break

13.30 – 14.45h PK after continued dosing / urinary PK

Coffee/Tea Break

15.00h – 16.15h Linear vs. non-linear pharmacokinetics

16.15h – 17.30h Exercises

Dinner - Breda



Day 3 – Friday 18th of November 2016

Pharmacokinetics in Drug Development – Jan Noukens

09.00h – 09.45h Introduction to drug development process

09.45h – 10.30h PK in non-clinical development

Coffee/Tea Break

10.45h – 11.30h PK in clinical development – First-in-human (FIH)

11.30h – 12.15h PK in clinical development – Drug-drug interaction (DDI)

Lunch Break

13.15h – 14.00h PK in clinical development – Absolute bioavailability, relative bioavailability (BA) and bioequivalence (BE)

14.00h – 14.45h PK in clinical development – Mass balance and Special Populations

Coffee/Tea Break

15.00h – 15.30h Introduction to PK-related modeling and simulation

15.30h – 15.45h Closure