

Introduction to Physiologically Based Pharmacokinetic (PBPK) Modelling

Lectures and workshop

Wednesday, October 25th, 2023 - 9:00 -18:00
 Campus Gasthuisberg, Auditorium ON4 (Room 04.330)

Organized by BelToX in collaboration with the research group of Prof. Annaert (KU Leuven Drug Delivery and Disposition Lab) and with the support of guest speakers.

Organizing team at KU Leuven:

Getahun Befirdu Abza, Sofie Heylen, Miao-Chan Huang, Karen Leys, Julia Macente, Chen Ning, Martje Van Neste, Pieter Annaert

9:00 – 9:50	Basic concepts in PBPK modelling	Pieter Annaert
9:50 – 10: 40	Application of PBPK modelling and simulation in pharmaceutical R&D	Pieter-Jan De Sutter
10:40-11:10	Break	
11:10-12:00	Regulatory aspects of PBPK modelling	Flora Musuamba Tshinanu
12:00-13:00	Lunch break	
13:00-14:00	PK-SIM® Introductory demo, including Q&A	Organizing team
14:00-15:30	Hands-on session 1: basic model for caffeine (IV and oral), parameter estimation, simulations in different individuals	Organizing team
15:30-16:00	Break	
16:00-17:30	Hands-on session 2: drug-drug interaction between caffeine and fluvoxamine, simulations in different populations	Organizing team
17:30-18:00	Final Q&A, closing remarks, course evaluation	Organizing team