

KU LEUVEN | TRAINING



PBPK modelling for quantitative in vitro-in vivo extrapolation



THURSDAY 4TH - FRIDAY 5TH OCTOBER 2018
hosted by KU - Leuven – Belgium

DAY 1

08:30-09:00	Arrival, registration and coffee		
09:00 - 09:15	Introduction	Altertox Academy overview	Adina Tenie Altertox Academy
09:15 - 09:45	Lecture	General Introduction to PBPK models	Pieter Annaert – KU Leuven
09:45 - 10:15	Lecture	PBPK modelling equations, model input and software	Ans Punt - Wageningen University & Research
10:15 - 10:45	Lecture	Use of PBPK modelling in regulatory context –chemicals + pharmaceuticals	Alicia Paini - JRC
10:45 - 11:15	Coffee Break		
11:15 - 11:45	Lecture	Use of PBPK modelling in industry context	TBC
11:45 - 12:15	Lecture	PBPK modelling to predict special populations and drug-drug interactions	Ciarán Fisher - Certara
12:15 - 13:15	Lunch		
13:15 - 15:15	Hands-on Training	Hands-on prediction of partition coefficients	Pieter Annaert – KU Leuven and Ans Punt - Wageningen University & Research
15:15 - 15:45	Coffee Break		
15:45 - 17:45	Hands-on Training	2 Case studies on good quality in vitro kinetic data	Leo A van Grunsven Vrije Universiteit Brussel
19:00	Social Dinner		TBC

DAY 2

08:30-08:30	Arrival, coffee		
08:30-10:00	Hands-on Training	Inclusion of the partition coefficients and metabolic clearance data from the day before in the PBPK model in Berkeley Madonna, evaluation of the model performance and use of the model for QIVIVE of toxicity data. – Part 1	Pieter Annaert – KU Leuven and Ans Punt - Wageningen University & Research
10:00 – 10:30	Coffee Break		
10:30 - 12:00	Hands-on Training	Inclusion of the partition coefficients and metabolic clearance data from the day before in the PBPK model in Berkeley Madonna, evaluation of the model performance and use of the model for QIVIVE of toxicity data. – Part 2	Pieter Annaert – KU Leuven and Ans Punt - Wageningen University & Research
12:00 - 13:00	Lunch		
13:00 - 15:30	Hands-on Training	Inclusion of the data in Simcyp and comparison with the outcomes of Berkeley Madonna.	Pieter Annaert – KU Leuven and Ans Punt - Wageningen University & Research
15:30 - 16:00	Coffee break		
16:00 - 17:00	Training IRL applications	Drug-drug interaction Population (DNT)	Pieter Annaert – KU Leuven and Ans Punt - Wageningen University & Research
17:00 - 17:45	Group Discussion	Q&A	All Speakers
17:45 - 18:00	Closing of the session	certificates	Biopredic Int. Alertox Academy