

PBPK modelling for quantitative in vitro-in vivo extrapolation

KU Leuven

October 4th – 5th

Day 1 – Thursday, October 4th			
8:30 – 9:00	Arrival, Registration and Coffee		
9:00 - 9:15	Introduction	Altoxt Academy Overview	Adina Tenie – Altoxt Academy
9:15 - 9:45	Lecture	General Introduction to PBPK models	Pieter Annaert – KU Leuven
9:45 - 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	Neil Parrott – Roche (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	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	Training	2 Case studies on good quality in vitro kinetic data	Pieter Annaert – KU Leuven and Ans Punt - Wageningen University & Research
19:00	Social Dinner		TBC

Day 2 – Friday, October 5th			
08:00 - 8:30	Arrival and Coffee		
08:30 - 10:00	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	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	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	Diplomas and closing		