

Planning Summer School
Advanced In Vitro Models Towards animal-free research
 15th July 2019 – 19th of July 2019

Monday	
09:00 – 10:00	
What	Welcome, course overview and get to know each other
Who	Ouafa Dahri
10:00 – 12:00	
What	Keynote on awareness about the importance of AIM
Who	Debby Weijers
12:00 – 13:00 <i>Lunch</i>	
13:00 – 13:45	
What	Lecture – Good <i>In Vitro</i> Method Practices (GIVIMP) and its implementation'
Who	Ingrid Langezaal
13:45 – 14:30	
What	Lecture – The animal free alternatives
Who	Jan van der Valk
14:30 – 15:15	
What	Adverse outcome pathway as a means to select <i>in vitro</i> methods
Who	Raymond Pieters
15:15-15:30 <i>Break</i>	
15:30 – 17:00	
What	Workshop: A closer and critical look into existing literature Systematic review for laboratory animal experimentation
Who	Judith van Luijk, Ouafa (supervising/facilitating)
Tuesday	
09:00 – 10:00	
What	Lecture – Microphysiological systems for emulating human tissues and diseases'
Who	Shrike Zhang
10:00 – 11:00	
What	Lecture – Part 1: Introduction to <i>in silico</i> studies
Who	Nynke Kramer
11:00 – 11:15 <i>break</i>	
11:00 – 12:00	
What	Lecture – Part 2: Introduction to <i>in silico</i> studies
Who	Nynke Kramer
12:15 – 13:00 <i>Lunch break</i>	
13:00 – 14:00	
What	Workshop - part 1 - <i>in silico</i> modeling
Who	Nynke Kramer
14:00 – 15:00	
What	Workshop part 2 - <i>in silico</i> modeling
Who	Nynke Kramer
15:00 – 15:15 <i>Break</i>	
15:15 – 16:00	
What	Lecture – Using Math to calculate <i>in vivo</i> results
Who	Jiao Chen (PhD student of Fred Vermolen TU Delft)
16:00 – 17:00	
What	Lecture – High-resolution 3D Printing Technologies
Who	Paul Dalton
Wednesday	
09:00 – 09:45	
What	Lecture - Microfluidics-based <i>in vitro</i> models

Who	Yang Li
09:45 – 10:30	
What	Lecture – Advanced Materials for in vitro methods
Who	Dr. Mihajlovic
10:30 – 10:45 <i>break</i>	
10:45 – 11:30	
What	Lecture - Rules and Regulations for in vitro models
Who	Peter van Meer
11:30 – 12:15	
What	<i>In vitro</i> methods to study virology
Who	Adithya Sridhar
12:15 – 13:00 <i>Lunch break</i>	
13:00 – 14:00	
What	Lecture – Organoid technology
Who	Jeffery Beekman
14:00 – 15:00	
What	Lecture – Organ on a chip
Who	Andries van Meer
14:30 – 15:00	
What	Lecture – Kidney on a chip
Who	Roos Masereeuw
15:00 – 15:15 <i>Break</i>	
15:15 – 16:00	
What	Practicum (organoid practicum)
Who	Bart Spee, Ouafa Dahri
16:00 – 17:00	
What	Practicum
Who	Bart Spee, Ouafa Dahri
Thursday	
09:00 – 10:00	
What	Gut on a chip
Who	Hossein Eslami Amirabadi
10:00 – 11:00	
What	Liver on a chip
Who	Bart Spee
11:00 – 11:15 <i>break</i>	
11:00 – 12:00	
What	Applied advanced <i>in vitro</i> methods for neurotoxicology
Who	Remco Westerink
12:15 – 13:00 <i>Lunch break</i>	
13:00 – 17:00	
What	Practicum + data analysis
Who	Bart Spee, Ouafa Dahri
Friday	
09:00 – 09:30	
What	Collecting keys
09:30 – 13:00	
What	Assignment: implementation of gained knowledge
Who	Damien van Berlo
13:00 – 14:00 <i>Lunch + wrap-up</i>	