

	September 19 th 2022	September 20 th 2022	September 21 st 2022	September 22 nd 2022	September 23 rd 2022
Time	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-09:15	Welcome	animal welfare and refinement	organoids: a multi-faceted tool in regenerative medicine	primary human lung tissue and organoids for replacement of animal research	in silico alternatives
09:15-09:30					
09:30-09:45	introduction into the 3Rs principles				
09:45-10:00					
10:00-10:15					
10:15-10:30	break				
10:30-10:45					
10:45-11:00	3Rs and alternatives from the academic perspective				
11:00-11:15		lunch break inkl. campus transfer CVK-CCM	lunch break	lunch break	coffee break
11:15-11:30					
11:30-11:45	break				
11:45-12:00	ethics in biomedical research: reduce waste, increase value				
12:00-12:15					
12:15-12:30					
12:30-12:45	lunch break				
12:45-13:00					
13:00-13:15					
13:15-13:30					
13:30-13:45	animal ethics and animal experiments, part I	ex vivo lung and in vitro models in lung research	ethics of organoids and other humanized models	how can imaging techniques contribute to the 3Rs in animal research?	project presentations and feedback
13:45-14:00					
14:00-14:15		break	break		
14:15-14:30					
14:30-14:45				preparing project presentations	
14:45-15:00	break				
15:00-15:15		3D bioprinting - chances and challenges in biomedical research	3R resources		
15:15-15:30					
15:30-15:45	animal ethics and animal experiments, part II				
15:45-16:00					
16:00-16:15		break			
16:15-16:30		reproducibility of organoids			
16:30-16:45					
16:45-17:00					
17:00-17:15					

PART I

Legend: ethics refinement / animal welfare reduction replacement