

Mouse physiology and pathophysiology

PhD Program in Biomedicine (BioMed)

Course organizers:

Prof. Dr. Lubor Borsig, Institute of Physiology, University of Zurich

Dr. Petra Seebeck, ZIRP Institute of Physiology, University of Zurich

Day 1**Thursday, June 09, 2022****Room Y16G05**

Time	Title	Speaker
08:15-08:30	Registration	
08:30-08:45	Welcome and introduction	Lubor Borsig, Institute of Physiology, UZH
08:45-09:40	Magnetic Resonance Imaging - from anatomy to function	Geoff Warnock, pmod, Zürich
09:40-10:35	The four apocalyptic horsemen of irreproducibility	Sonja Hartnack, Section of Epidemiology Vetsuisse Zurich
10:35-11:00	Coffee Break	
11:00 -11:55	The black box! Background lesions in laboratory mice	Francesco Prisco, Institute of Veterinary Pathology, Vetsuisse ZH
11:55 -12:50	Mouse models to study the immune response to cancer	Maries van den Broek, Institute of experimental immunology, UZH
12:50-14:00	Lunch Break	
14:00 14:55	Guidelines & Training for rodent surgery	Felix Gantenbein, ZIRP, UZH
14:55-15:50	Rodent Anaesthesia	Nina Trimmel, Experimental Surgery, USZ
15:50-16:05	Discussion	Lubor Borsig, Institute of Physiology, UZH

Day 2 Friday, June 10, 2020 Room Y16G05		
Time	Title	Speaker
08:15-09:10	PET – more than Images	Stefanie Krämer, Radiopharmaceutical Science/Biopharmacy ETHZ
09:10-10:05	Multi-modality probe design for tumor biomarker imaging	Jason Holland, Institute of Chemistry, UZH & Miria Nolff, Surgical Oncology, Vetsuisse ZH
10:05-10:30	Coffee Break	
10:30-11:25	Radiotherapy on the preclinical level: Differential tumor & immune responses to differential irradiation regimens	Irma Telarovic, Applied Radiobiology, USZ
11:25-12:20	The Public Debate on Animal Experimentation - Overview of the Political Situation in Switzerland	Maike Heimann, Swiss Association of Veterinarians in Industry & Research (SAVIR)
12:20—13:30	Lunch Break	
13:30 -14:25	Local immunotherapy of brain tumors	Johannes vom Berg, Institute of Laboratory Animal Science, UZH
14:25 -15:20	Cardiovascular Phenotyping	Francesco Paneni, Molecular Cardiology, UZH
15:20 -16:15	Blood collection guidelines	Melania Osto, Animal Welfare Officer UZH
16:15 -16:30	Discussion	Lubor Borsig, Institute of Physiology, UZH
16:30 – 17:00	Exam for ECTS credit (PhD students only)	Lubor Borsig, Institute of Physiology, UZH