



Day 1: Monday, June 24			Day 3: Wednesday, June 26	
12:45 – 13:45	Arrival and registration	8:30 – 9:15	Arrival and registration	
13:45 – 14:00	BaCell3D Organizing Committee Welcome & Introduction	9:15 – 9:25	BaCell3D Organizing Committee Welcome & Introduction	
Session 1: BaCell3D Visionaries: Future-focused Perspectives		Session 4: Di	isease modeling and Drug discovery	
Chairs: Leoni Swart and Mehmet Girgin			Rezakhani and Sandro Nuciforo	
14:00 – 14:15	Prisca Liberali (FMI, ETH Zürich) Vision Talk: Recapitulating Development & Regeneration <i>in vitro</i>	9:25 – 9:55	Ludovic Vallier (Berlin Institute of Health)	
14:15 – 14:30	Ivan Martin (DBM, University of Basel)		"Modelling liver diseases in vitro using 3D culture systems"	
	Matthias Lütolf (IHB, Boche)	9:55 – 10:10	Stephanie Frenz-Wiessner (Ludwig-Maximilians-Universität München) "Bone marrow organoids from iPSCs to model the hematopoietic niche and	
14:30 – 14:45	Vision Talk: Disease modeling and Drug discovery		pediatric disease"	
14:45 – 15:00	14:45 – 15:00 Barbara Treutlein (ETH Zürich) Vision Talk: Organoid Technologies		Rosemarie Ungricht (Novartis)	
15:00 - 15:30Coffee Break		10:10 – 10:40	"Kidney organoids for drug discovery"	
Keynote Lecture Chair: Elizabeth Kastanaki		10:40 - 11:10	Coffee Break	
Chair: Elizabeth Kastanaki			Carlos Flores (Biozentrum)	
15:30 – 16:30	Mina Gouti (Max Delbrück Center for Molecular Medicine) "Building the next generation of neuromuscular models to study disease"	11:10 – 11:25	"A human bladder microtissue model to understand and fight urinary tract infections (UTIs)"	
Poster Sessi	on & Networking			
16:30 – 17:00 Walking Break to Poster Location – ETH Zürich D-BSSE		11:25 – 11:40	Aurino M. Kemas (Karolinska Institute) "Chemogenomic screening in an organotypic patient-derived 3D culture of	
	Poster Session 1 and Refreshments + Dinner	11.25 - 11.40	metabolic dysfunction-associated steatohepatitis: towards new target identification for an old disease"	
19:00 – 20:00			Maraberita Turco (FMI)	
8:30 – 9:15	Day 2: Tuesday, June 25 Arrival and registration	11:40 – 12:10	Margherita Turco (FMI) "Modelling the menstrual cycle using endometrial organoids"	
	BaCell3D Organizing Committee		Stavros Giaglis (DBM, University of Basel)	
9:15 – 9:25	Welcome & announcements	12:10 – 12:25		
Session 2: Recapitulating Development & Regeneration in vitro Chairs: Akanksha Jain and Elizabeth Kastanaki		12:25 – 13:30	Lunch Break	
9:25 - 9:55	Dagmar Iber (FTH Zürich)			
	"Recapitulating Development In Silico" Cornelia Schwayer (FMI)	Session 5: Organoid Technologies Chairs: Franziska Moos and Maren Diepenbruck		
9:55 – 10:10	"Yap1 prepatterns lateral inhibition during intestinal regeneration"	13:30 - 14:00		
10:10 – 10:40	0:10 – 10:40 Jesse V. Veenvliet (MPI of Molecular Cell Biology and Genetics) "Connecting scales and spaces in embryo models"		Gerald Schwank (University of Zürich) "Optimizing CRISPR genome editing tools for high efficiency and precision"	
10:40 - 11:10				
11:10 - 11:40	Aydan Bulut-Karslioglu (MPI for Molecular Genetics)	14:00 – 14:15	Ryan Sarkar (Goethe University Frankfurt) "SHAPE: A novel method for culturing advanced human bone marrow organoids in real microgravity for investigating innate immunity aboard the International Space Station"	
	"Adjusting the timing of mammalian development" Robin Journot (Institut Curie)			
11:40 – 11:55	11:40 – 11:55 "Symmetry breaking and self-organization of bi-layered epithelia are orchestrated by conserved signals during development and regeneration"		Manya Du (MPI of Immunobiology and Epigenetics) "Direct observation of a condensate effect on super-enhancer controlled gene bursting"	
	Ali Shariati (University of California, Santa Cruz)			
11:55 – 12:10				
12:10 - 12:25	Qianhui Yu (IHB, Roche)	14:30 – 15:00	Coffee Break	
12:25 - 13:30	"Evolution of the developing human small intestinal epithelium" Lunch Break	15:00 – 15:30	Magdalena Renner (IOB) "High-throughput retinal organoids for therapy development"	
	organ-on-a-chip and Microphysiological systems			
Chairs: Natha	Chairs: Nathalie Reinhard and JiSoo Park 13:30 – 14:00 Peter Loskill (Eberhard Karls University Tübingen) "Recapitulating Complex Immunocompetent Tissues using Organ-on-chip and Organoid Technologies" 14:00 – 14:15 Roberto Villasenor (pRED, Roche) "Reconstructing the blood-brain barrier <i>in vitro</i> to develop novel Brainshuttle therapies" Merve Bulut (Leiden University Medical Center)		Jana B. Petr (ETH Zürich) "PHIROS: A microfluidic platform for long-term, high-resolution imaging of organotypic tissue slices to study astrocyte dynamics"	
13:30 – 14:00				
			Joep Beumer (IHB, Roche)	
14:00 – 14:15			"Modeling intestinal maturation and function in engineered human organoids"	
			Coffee Break	
14:15 – 14:30	14:15 – 14:30 "3D Multicellular hiPSC-Derived Vessels-on-Chip Model Unveils the Impact of		Miriam Wandres (Max Delbrueck Center)	
Cellular Crosstalk and Shear Stress on Inflammatory Responses" Jennifer Rohn (University College London)		16:45 – 17:00	"Light-inducible patterning of organoids: unraveling the role of WNT3A in human hippocampal development"	
14:30 – 15:00			ture	
15:00 – 15:30 <i>Coffee Break</i>				
Panel Discussion Chairs: Ashley Maynard and Umut Kilik		17:00 – 18:00	Karl Koehler (Harvard Medical School)	
15:30 – 16:30 Stylianos Lefkopoulos, Yvonne Fischer, Jenny Sandstrom, Karl Koehler,			TBD	
Poster Session & Networking		Wrap-up & Prizes		
16:30 – 17:00 Walking Break to Poster Location – Biozentrum				
17:00 – 19:00 Poster Session 2 and Refreshments + Dinner 10:00 – 20:00 Networking				
19:00 – 20:00 Networking with Live Music from Zarek Silberschmidt				
Institute of Human Biology Roche Biology Roche Institute of Human				
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