

	MONDAY 30.05	TUESDAY 31.05	WEDNESDAY 01.06	THURSDAY 02.06	FRIDAY 03.06
9:00 AM	ARRIVALS	LECTURE "Overview single-cell technologies" Janine Altmüller (30 min + 15)	LECTURE "Single-cell seq analysis of cancer patient samples" Karsten Rippe (30 min + 15)	"SINGLE-CELL BASED SYSTEMS MEDICINE" Summer School Symposium @BIMSB Keynote (K) 40 min + 10 min Q&A Speakers 20 min + 5 min Q&A 9:30 – 9:40 AM Welcome <i>Chair-1 Simon Haas</i> 09:40 – 10:30 AM De Strooper (K) 10:30 – 10:55 AM Grün 10:55 – 11:20 AM Eggert 11:20 – 11:50 AM COFFEE BREAK/ MEET THE SPEAKERS <i>Chair-2 Ashley Sanders</i> 11:50 – 12:15 AM Na 12:15 – 12:40 PM Perie 12:40 – 01:05 PM Rosenstiel 01:05 – 01:20 PM GROUP PICTURES 01:20 – 03:00 PM NETWORKING LUNCH <i>Chair-3 Joana P. Bernardes</i> 03:00 – 03:25 PM Sanders 03:25 – 03:50 PM Velten 03:50 – 04:15 PM Rajewsky 04:15 - 04:30 PM Closing 04:30 – 05:00 PM COFFEE BREAK/ MEET THE SPEAKERS CLOSING EVENT @BIMSB Networking continues on terrace with BBQ&Music till 10 PM	Wrap-Up of activities Feedback Questionnaire Last info before you go
9:15 AM		INTERACTIVE WORKSHOP "Single-cell techniques in understanding diseases" Paulina Strzelecka & Catarina Stein (Part 1 - 45 min)	LECTURE "Lineage tracing in humans using single cell genomics" Leif Ludwig (30 min + 15)		
9:30 AM		COFFEE BREAK	COFFEE BREAK		
9:45 AM		INTERACTIVE WORKSHOP "Single-cell techniques in understanding diseases" Paulina Strzelecka & Catarina Stein (Part 2 - 45 min)	LECTURE "Extrachromosomal DNA detection in single cancer cells" Anton Henssen + Rocio Chamorro (30 min + 15)		
10:00 AM		LECTURE "Precision medicine: Present and future" Daniel Hübschmann (30 + 15 discussion)	LECTURE "Spatial Transcriptomics: Potentials and Challenges" Stefanie Grosswendt (30 min + 15)		
10:15 AM		LUNCH BREAK @BIMSB Cafeteria	LUNCH BREAK @BIMSB Cafeteria		
10:30 AM		LECTURE Introduction to scRNA-seq analysis Joana Bernardes (45min + 15)	ADVANCED WORKSHOPS <u>(in parallel)</u> 1 - EXPERIMENTAL WORKSHOP "From cells to data: Introduction into plate- and droplet- based single cell NGS library preparation workflows." Thomas Conrad (4h)		
10:45 AM		BASICS WORKSHOPS <u>(in parallel)</u> 1 - DATA WORKSHOP "Single cell transcriptome analysis 101" Neha Mishra + Joana Bernardes (3h + break)	2a- DATA WORKSHOP "Spatial reconstruction of sc RNAseq datasets" Nikolaos Karaiskos + Enes Senel (2h)		
11:00 AM		2 - WORKSHOP (EXP) "Single-cell Project Design" Jan Philipp Mallm (3h + break)	2b- MEDICINE + DATA WORKSHOP (Demo) "Leveraging scRNA seq of organoid disease models to identify novel therapeutic strategies: the case study of HSV-1 infected brain organoids" Tancredi Massimo Pentimalli (2h)		
11:15 AM		3 - WORKSHOP (DATA) "Single-cell analysis of dynamical systems; from pseudotime to RNA-velocity " (3h) Laleh Haghverdi + Valerie Marot-Lassauzaie + Brigitte Joanne Bouman	3 - DATA WORKSHOP "Hunting leukemic stem cells with clonally resolved single-cell multi-omics" Lars Velten (4h)		
11:30 AM		WELCOME lecture Nikolaus Rajewsky + Angelika Eggert + Simon Haas 30 min +15			
11:45 AM		FLASHLIGHT Talks from students Part 1 (10 ppl) 3min + 2 each			
12:00 PM		COFFEE BREAK			
12:15 PM		LECTURE (10X GENOMICS) "Highly multimodal measurements of single cells" Peter Smibert 30 min + 15			
12:30 PM		FLASHLIGHT Talks from students Part 2 (10 ppl) 3min + 2 each			
12:45 PM		COMMON WELCOME DINNER Buffet @BIMSB	BOAT TOUR Students&Lecturers + DINNER ABOARD		
1:00 PM		COFFEE BREAK	till 9PM		
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