

# TimeTable BISS Biofabrication 2022

Week 1: 4. Juli

	04.07	05.07	06.07	07.07	08.07	09.07	10.07	
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
08:00 Uhr		German class					Excursion	
09:00 Uhr	Prof. Thomas Scheibel		Prof. Sally McArthur	Veronica Glattauer	Prof. Andrea O'Connor			
09:30 Uhr			3D Cell Culture Systems and Surface Engineering	Materials Matters: Source, Design and Products	Engineering 3D Tissue Constructs for in vivo Applications			
	Opening & Introduction							
10:00 Uhr	Prof. Thomas Scheibel	Dr. Daniel Heath	Prof. Thomas Scheibel	Dr. Martin Humenik	Dr. Gregor Lang			
	Spider Silk Part 1: A new Matrials for Biofabrication	Design of Biomaterials for Superior Cellular Interactions	Spider Silk Part 2: Medical Applications	DNA-assisted Cell Modification and Immobilization	Rheology of Bioinks			
11:00 Uhr	Morning Break	Morning Break	Morning Break	Morning Break	Morning Break			
11:30 Uhr	N. N.	Prof. Matthias Weiss	Prof. Seema Agarwal	Prof. Thomas Scheibel	Christoph Sommer			
	Teambuilding activity	Lightsheet Microscopy - Concept and Applications	Smart Polymers as Biomaterials	Spider Silk Part 3: Biofabrication using Spider Silk Materials	Innovate-Build-Test: Experimentation in Industry			
12:30 Uhr	Lunch	Lunch	Lunch	Lunch	Lunch			
13:30 Uhr	Dr. A. Naveau & Dr. S. Catros	Dr. S. Salehi & Dr. H. Bargel	Prof. Leonid Ionov	Dr. M. Humenik & C. Heinritz	Excursion	Excursion		
	3D Printing for Medical Applications	Practical Part1: Processing & Cell Culture Methods	4D Biofabrication using Smart Polymers	Practical Part 2: DNA-Cell Interactions				
14:30 Uhr	Dr. Hugo De Oliveira	Dr. S. Salehi & Dr. H. Bargel	Prof. Leonid Ionov					
	Bioprinting – From Basics to Applications	cont.	cont.	cont.				
15:30 Uhr	Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break				
16:00 Uhr	Dr. Hugo De Oliveira	Dr. S. Salehi & Dr. H. Bargel	Dr. Sahar Salehi	Dr. M. Humenik & C. Heinritz				
	cont.	cont.	Soft Tissues Biomechanics and its Relation to Bioinks design	cont.				
17:00 Uhr	Closing of the day	Closing of the day	Closing of the day	Closing of the day				
		Evening Program						
19:30 Uhr	Welcome Dinner							