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| 08:00 Uhr | | | | | | | | **German class**
| 09:00 Uhr | Prof. Thomas Scheibel | | | | | | | **Excursion**
| 09:30 Uhr | | Prof. Sally McArthur | | Veronica Glattauer | | Prof. Andrea O'Connor | | **Excursion**
| 10:00 Uhr | Prof. Thomas Scheibel | Dr. Daniel Heath | Prof. Thomas Scheibel | Dr. Martin Humenik | Dr. Gregor Lang | | | **Excursion**
| 11:00 Uhr | Spider Silk Part 1: A new Materials for Biofabrication | Design of Biomaterials for Superior Cellular Interactions | Spider Silk Part 2: Medical Applications | DNA-assisted Cell Modification and Immobilization | Rheology of Bioinks | | | **Excursion**
| 11:30 Uhr | Morning Break | Morning Break | Morning Break | Morning Break | Morning Break | | | **Excursion**
| 12:30 Uhr | Lunch | Lunch | Lunch | Lunch | Lunch | | | | **Excursion**
| 13:30 Uhr | Dr. A. Naveau & Dr. S. Catros | Dr. S. Salehi & Dr. H. Bargel | Prof. Leonid Ionov | Dr. M. Humenik & C. Heinritz | | | | **Excursion**
| 14:30 Uhr | 3D Printing for Medical Applications | Practical Part 1: Processing & Cell Culture Methods | 4D Biofabrication using Smart Polymers | Practical Part 2: DNA-Cell Interactions | | | Cont. | **Excursion**
| 15:30 Uhr | Afternoon Break | Afternoon Break | Afternoon Break | Afternoon Break | | | | **Excursion**
| 16:00 Uhr | Dr. Hugo De Oliveira | Dr. S. Salehi & Dr. H. Bargel | Dr. Sahar Salehi | Dr. M. Humenik & C. Heinritz | | | Cont. | **Excursion**
| 17:00 Uhr | Closing of the day | Closing of the day | Closing of the day | Closing of the day | | | | **Excursion**
| 19:30 Uhr | Welcome Dinner | | | | | | | **Evening Program**

**Spider Silk Part 1: A new Materials for Biofabrication**
- Lightsheet Microscopy - Concept and Applications
- Smart Polymers as Biomaterials
- Spider Silk Part 2: Medical Applications
- DNA-assisted Cell Modification and Immobilization
- Rheology of Bioinks

**Spider Silk Part 2: Medical Applications**
- 3D Cell Culture Systems and Surface Engineering
- Materials Matters: Source, Design and Products
- Engineering 3D Tissue Constructs for in vivo Applications

**Bioprinting – From Basics to Applications**
- 3D Printing for Medical Applications
- Practical Part 1: Processing & Cell Culture Methods
- 4D Biofabrication using Smart Polymers
- Practical Part 2: DNA-Cell Interactions

**Design of Biomaterials for Superior Cellular Interactions**
- Design of Biomaterials for Superior Cellular Interactions
- DNA-assisted Cell Modification and Immobilization
- Rheology of Bioinks

**Soft Tissues Biomechanics and its Relation to Bioinks design**
- Soft Tissues Biomechanics and its Relation to Bioinks design
- cont.