

Workshop Agenda, **Thursday 5. November 2015**

Time	Title of talk	Presenter
9:30 Introductory round		
10:00 - 10:50	Electric Stimulation of Human Osteoblasts with Distinct Parameters	Josefin Ziebart
10:50 - 11:40	Modeling and Simulation of Directional Migration of Prostate Cells inside a Custom-designed Galvanotaxis Chamber	Bachir Delenda
11:40 - 12:30	Modeling Bone Remodeling and Growth	Tom Theile
12:30 13:00	Foto im Park Lunch	
14:15 - 15:05	Cell Signaling in Osteoblasts during their attempted Phagocytosis of Micro-Pillars	Caroline Mörke
15:05 - 15:50	The Bio-Chemo-Mechanical Model for Cell Contractility and its Application	Duy Truong
5 min.	Intro into the Research	Christian Bahls
15:55 - 16:15	Coffee	
16:15 - 17:05	Electrical Stimulation of Bacteria using Alternating Current	Thomas Dauben
17:05 - 18:00	Poster Session	Josephine Mauck Robert Bestel

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Workshop Agenda, **Friday 6. November 2015**

Time	Title of talk	Presenter
9:30 – 10:20	Simulation Deep Brain Stimulation in the Hemiparkinsonian Rat - Developing an Anatomically Realistic Volume Conductor Model-	Andrea Böhme
10:20 – 11:10	Signal Initiation at Apical and Basal End of the Cochlea	K. Sriperumbudur
11:10 – 11:20	Coffee	
11:20 – 12:10	Dynamic Adjustment of Cochlear Implants to Improve Speech Comprehension	Kevin Struwe
12:10 – 12:50	Comparing the Surface-Dependent Initial Adhesion of Prokaryotic and Eukaryotic Cells	Philipp Wysotzki
13:00 – 14:30	Lunch	
14:30 – 15:20	Osteoblasts Prefer Alkaline pH, Future Applications in Implant Technology?	Anne-Marie Galow
15:20 – 16:10	Prevention of Biofilm Formation on Implants	Hendrik Brehme
End of Workshop		

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