Universität Rostock
Traditio et Innovatio
DFG
welisa
Universität Rostock
DFG-Graduiertenkolleg 1505/2

Workshop Agenda, **Tuesday 22. November 2016**

Time	Title of talk	Presenter
9:30 Introductory round		
10:00 - 10:50	Magnetic Nanoparticles for Implant Materials	Marcel Wetegrove
10:50 – 11:40	In-vitro measurements and in-silico studies of a physical model for determination of electrical properties of cochlear membranes	Mirjana Holst
11:40 - 12:30	Comparing the initial adhesion of prokaryotic and eukaryotic cells	Phillip Wysotzki
12:30 **13:00 – 14:30**	**Foto am Kai** **Lunch**	
14:30 - 15:20	Simulating Deep Brain Stimulation in the Parkinsonian Rat Brain	Andrea Böhme
15:20 - 16:10	Adhesion and Impedance Measurements on MC3T3 Cells	Hendrik Brehme
16:10 - 17:00	Simulation of the effects of electrical field on traction forces by osteoblasts	Duy Truong
17:00 – 18:00	**Coffee** & Poster Session der Kollegiaten	Hendrikje Raben Robert Bestel
18:00	**End day one**	

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Workshop Agenda, **Wednesday 23. November 2016**

Time	Title of talk	Presenter
9:00 – 9:50	Osteoblast behavior in direct and alternating current fields	Josefin Ziebart
9:50 – 10:40	Finite element analysis and preliminary process parameter optimization of electro-stimulating implants for bone regeneration and prevention of implant-associated bacterial infection using DC	Thomas Bender
10:40 – 11:00	**Coffee**	
11:00 – 11:50	Treatment of osteochondral defects by use of electrical stimulation: Investigations of the cellular response	Bettina Hiemer
11:50 – 12:40	Adaptive Pitch Transposition: Smart Auditory Spectral Shifts in Cochlear Implants	Kevin Struwe
12:40 – 14:00	**Lunch**	
14:00 – 14:50	Optimization of culture conditions for the growth of bone cells with parallel stimulation	Anne Marie Galow
14:50 – 15:40	Microelectrode arrays for electrical stimulation in neuronal networks	Denise Franz
	End of Workshop	

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