

Workshop Agenda, **Monday 13. April 2015**

Time	Title of talk	Presenter
9:30 Vorstellungsrunde		
10:00 - 10:50	Comparison of osteoblast behavior on micro-pillared and corundum blasted Ti surfaces.	Caroline Mörke
10:50 - 11:40	Electric stimulation of primary human osteoblasts in-vitro	Josefine Ziebart
11:40 - 12:30	Metal doped calcium titanate for biomedical applications	Rico Schnierer
12:30	Foto – Seebrücke	
13:00	Lunch	
14:15 - 15:05	Modeling and simulation of platelets activities under the effect of electric stimulation	Bachir Delenda
15:05 - 15:55	Modeling Bone-Remodeling - The Influence of Microcracks	Tom Theile
15:55 - 16:15	Coffee	
16:15 - 17:00	Numerical study on actin filament patterns on various micro-structured pillar arrays	Duy Truong
17:00 - 17:50	Electrical stimulation of Staphylococcus epidermidis	Thomas Dauben
19:00	Discussion – Round Table – Open End	

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Workshop Agenda, Tuesday 14. April 2015

Time	Title of talk	Presenter
9:30 – 10:20	Human induced pluripotent stem cells as an alternative to primary neurons - Electrophysiological characterisation of Dopa.4U™ human iPS Cell-Derived Dopaminergic Neurons	Denise Franz
10:20 – 11:10	AP propagation in myelinated axons	K. Sriperumbudur
11:10 – 11:20	Coffee	
11:20 – 12:10	Computational modeling of the neural activation during deep brain stimulation	Christian Schmidt
12:10 – 12:50	Developing an anatomically realistic model for the simulation of deep brain stimulation in the rat brain	Andrea Böhme
13:00 – 14:30	Lunch	
14:30 – 15:20	Comparison of the initial adhesion of primary neuronal mouse cells and an osteoblast cell line on different surfaces	Philipp Wysotzki
15:20 – 16:10	Optimization of culture conditions for the growth of bone cells with parallel stimulation	Anne-Marie Galow
16:10 – 16:30	Coffee	
16:30 – 17:20	Edge clique coverings for bounded bandwidth motivated by multielectrode recordings	Sebastian Hanisch
17:20 – 17:35	Cell Surface Contacts revisited- a new approach to initial adhesion	Hendrik Brehme
End of Workshop		

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