

Workshop Agenda:

Tuesday 18.October 2011

Time	Title of talk	Presenter
3 pm - 4 pm	Arrival	
4:00 - 4:30	Numerical analysis of electric field effects on DBS electrodes	Christian Schmidt
4:30 - 5:00	Optimization of electrodes and stimulating parameters for DBS	Kathrin Badstübner
5:00 - 5:30	Correlation of cellular structure and the electrical activity of cortical neuronal networks growing on MEA neurochips	Tom Reimer
5:30	Photoshooting	
7:00	Working Dinner	

Wednesday 19.October 2011

Time	Title of talk	Presenter
9:30 am -10 am	Electro-stimulating implants for bone regeneration: Parameter analysis on design and implant position	Yukun Su
10:00 – 10:30	Investigation of the cell function of osteonlasts on defined microstructured surfaces	Susanne Stähle
10:30 – 11:00	Design and implementation of a FPGA based embedded system for automatic adaption of cochlea implants	Ralf Warmuth
11:00 – 11:20	Coffee	
11:20 – 11:50	Modeling the electrical stimulation of auditory nerve	Annekathrin Grünbaum
11:50 – 12:20	Titanium alloys and composites with superficial structure gradients for implants	Gunnar Rott
12:20 – 12:50	Influence of the near-surface potential distribution on the adsorption of simple biomolecules	Andreas Körtge
13:00 – 14:30	Lunch	
14:30 – 15:00	Die Beschreibung des langzeitverhaltens biokompatibler, metallischer Werkstoffe beim Einsatz als Klemmkontakte zwischen Implantatbaugruppen	Ronald Rebentisch
15:00 – 15:30	Spezifische und unspezifische Wechselwirkungen oberflächenadhärenter Zellen	Thomas Weihe
	Abreise	

[Gutshotel Groß Breesen, 18276 Groß Breesen](http://www.gutshotel.de/), Tel 038458/500, <http://www.gutshotel.de/>

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