

Workshop Agenda:

Sunday 18.November 2012

Time	Title of talk	Presenter
3 pm - 4 pm	Arrival	
4:00 - 4:35	Electrostatic Model of Lipid Membranes	Revathi Appali
4:35 - 5:10	Zuordnungsprobleme für Neuronennetzwerke auf Multielektrodenarrays	Sebastian Hanisch
5:10 - 5:45	Characterisation effects of subthalamic DBS on drug- and non- drug induced behaviour in hemiparkinsonian rats	Kathrin Badstübner
6:30	Working Dinner	

Dorint Strandresort, Strandstraße 46, 18347 Wustrow , Tel.: 38220 65-0, <http://hotel-ostseebad-wustrow.dorint.com/>

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Workshop Agenda:

Monday 19.November 2012

Time	Title of talk	Presenter
9:30 – 10:15	Quantifying Uncertainties in a Finite Element Model of Deep Brain Stimulation	Christian Schmidt
10:15 – 10:50	Investigation of the influence of the electrode surface structure on the field distribution in neighbouring bio-systems	Azhar Syed
10:50 – 11:25	Inhomogeneous Electron Distribution in Two Dimensional Electron Gas (2DEG)	Apurva Sarkar
11:25 – 11:40	Coffee	
11:40 – 12:15	<i>In Silico</i> Study for <i>in-vitro</i> Determination of Electrical Properties	Mirjana Holst
12:15 – 12:50	Über die Dynamische Anpassung der Verstärkungsfaktoren in Cochlea-Implantaten	Ralf Warmuth
12:50 – 13:00	Photo shooting	
13:00 – 14:30	Lunch	
14:30 – 15:05	Electrostimulating Implants for Bone Regeneration: Parameter Analysis and Design Optimization	Yukun Su
15:05 – 15:50	Sensors and Actuators for the Characterization of Bone on Artificial Surfaces	Sebastian Bonk
15:50 – 16:05	Coffee	
16:05 - 16:40	Stimulation von Basalganglienneuronen <i>in-vitro</i>	Matthias Nissen
16:40 -17:15	Kortikale neuronale Netzwerke auf Multielektrodenarrays als reduktionistischer Ansatz zur Aufklärung der Funktionsprinzipien des zerebralen Kortex (Diss)	Tom Reimer
17:15 – 17:50	Charakterisierung ausgewählter molekularer und zellulärer Mechanismen an der artifiziellen Oberfläche (Diss)	Thomas Weihe
Im Anschluss	Projektleiterbesprechung	
19:15	Working Dinner	

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Workshop Agenda:

Tuesday 20. November 2012

Time	Title of talk	Presenter
9:30 am – 10:05 am	Cell – Material Interaction: Surface Modification for Implants in comprised Bone	Friederike Kunz
10:05 – 10:40	Regulation of Calcium Channels in Osteoblasts on Regular Micro – Ranged Surface Topography	Susanne Stähleke
10:40 – 11:15	Protein Adsorption on Electronically Nanostructured Substrates	Andreas Körtge
11:15	Coffee and End of Workshop	

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