

Workshop Agenda, **Tuesday 28. June 2016**

Time	Title of talk	Presenter
9:30 Introductory round		
10:00 - 10:50	Caveolae-mediated phagocytosis of biomaterial surface structures by human osteoblasts	Caroline Mörke
10:50 - 11:40	Optimization of culture conditions for the growth of bone cells with parallel stimulation	Anne-Marie Galow
11:40 - 12:30	Comparing the initial adhesion of prokaryotic and eukaryotic cells	Phillip Wysotzki
12:30 13:00	Foto im Park Lunch	
14:30 - 15:20	Electrical stimulation of neuronal networks	Denise Franz
15:20 - 15:40	Continuous ethanol production by <i>Saccharomyces cerevisiae</i> immobilized in Ca-alginate beads using a magnetic prototype fermenter	Sebastian Riojas
15:40 - 15:50	FEM model to assess the shape variance in neuronal spike signals	Robert Bestel
15:50 - 16:10	Coffee	
16:10 - 17:00	Simulating Deep Brain Stimulation in the Hemiparkinsonian Rat	Andrea Böhme

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9:30 – 10:20	Effects of electrical stimulation on staphylococci using alternating current: A comparative study.	Thomas Dauben
10:20 – 11:10	Finite element analysis and preliminary process parameters optimization of electro-stimulating implants for bone regeneration and prevention of implant-associated bacterial infection using DC.	Thomas Bender
11:10 – 11:20	Coffee	
11:20 – 12:10	Synthesis and characterization of bioactive bone implant materials	Marcel Wetegrove
12:10 – 13:00	Electrical stimulation of human osteoblasts cultivated on collagen-coated coverslips	Josefin Ziebart
13:00 – 14:30	Lunch	
14:30 – 15:20	A model for cell focal adhesion and its coupling with the bio - chemo-mechanical model	Duy Truong
15:20 – 16:10	Efficient Representation of the Activation in the Bio-Chemo-Mechanical Model of Cell Motility	Christian Bahls
End of Workshop		

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