

Agenda Ringberg Workshop Oct 2009

Osteoporosis	Thursday Afternoon
Plasma-Medicine	Wednesday Afternoon and Thursday Morning
Raman Spectroscopy	Thursday Afternoon
Electroencephalographic Analysis	Friday Morning

Wednesday, 21.10.	Thursday, 22.10.	Friday, 23.10.
	8:00 - 9:00 Breakfast	8:00 - 9:00 Breakfast
	Session: Plasma-Medicine II	Session: EEG-Analysis and Interpretation
	9:00 - 9:30 Yukinori Sakiyama : Modeling of Plasma Chemistry at Atmospheric Pressure: Toward Plasma-Biomaterial Interaction	9:00 - 9:30 Stephan Springer and Gerhard Kluger : Epilepsy and Autism in Infants: Clinical and Electroencephalographic Manifestations
	9:30 - 10:00 Tetyana Nosenko : Argon Plasma vs. Air Plasma: Characterization and Interaction with Biological Systems	9:30 - 10:00 Wolfram Bunk : Identification of Pathological EEG Patterns Using Symbolic Representations
	10:00 - 10:30 Sigrid Karrer : Effects of Plasma on Wound Healing: In Vivo and in Vitro Results	10:00 - 10:30 Gerhard Schneider : Review: Indicators of Anaesthetic Depth in the EEG
	10:30 - 11:00 Coffee Break	10:30 - 11:00 Coffee Break
	11:00 - 11:30 (1) Maevsky E.I. , (1) Selezneva I.I. , (2) Murashev A.N. , (3) Vasiliev M. M. , (3) Petrov O. F. , (1) Davidova G.A. , (2) Abashina T.N. , (2) Vainshtein M.B. (1) Bogdanova L.A. and (3) Fortov V. E. : (1)Institute of Theoretical and Experimental Biophysics of Russian Academy of Sciences (RAS), Pushchino, Moscow Region, 142290. Russia; (2)Pushchino State University, Pushchino; (3)Joint Institute for High Temperatures RAS, Moscow.) Bioeffects of the Low-Temperature Argon Plasma "In Vitro" and "In Vivo"	11:00 - 11:20 Denis Jordan : EEG Analysis Methods in Monitoring Anesthesia
	11:30 - 12:00 Roberto Monetti : Analysis of "Filter-pad" Images for the Assessment of the Bacterial Load	11:20 - 11:50 Thomas Aschenbrenner : Novel Measures to Quantify the Effects of Anesthetics on Electrical Brain Activity
	12:00 - 12:30 Wolfram Bunk : Description of Skin Wounds Using an Image Analysis Approach	11: 50 - 12:10 Steffen Mihatsch : Exploring the State-Space of a Spatio-Temporal Coupled System
	12:30 - 14:00 Lunch	12:30 -14:00 Lunch
14:30 - 14:40 Welcome	Session: Osteoporosis	
Session: Plasma-Medicine I	14:00 - 14:30 Dirk Müller : Clinical Aspects of Osteoporosis	
14:45 - 15:15 Gregor Morfill : New Developments in Plasma Healthcare	14:30 - 15:15 Jörn Rittweger : Bone Loss in Space and on Earth - Physiological Mechanisms and Clinical Consequences	
15:15 - 15:30 Hans-Ulrich Schmidt : Antimicrobial Strategies in Practical Medicine - Classic Procedures and New Developments	15:15 - 15:30 Christoph R�ath : Assessing and Selecting Texture Measures for Quantifying the Trabecular Bone Using Surrogates	
15:30 -15:45 Coffee Break	15:30 - 15:45 Coffee break	
15:45 - 16:00 Julia Zimmermann : Investigation of Bacterial Resistance Build-Up Against Plasma Treatment	15:45 - 16:00 Roberto Monetti : Quantifying Bone Strength Using Scaling Indices, Minkowski Functionals and their Combination	
16:00 - 16:30 Georg Isbary : Update on Munich Plasma Project - From Medical Point of View	16:00 -16:15 Jan Bauer : Influence of Acquisition Parameters (noise, field strength etc.) on Texture Measures and their Predictive Power in MR Imaging	
16:30 - 17:00 Ermolaeva S.A. , Chernukha M.Yu. , Varfolomeev A.F. , Vasiliev M.M. , Zigangirova N.A. , Shaginyan N.A. , Petrov O.F. , Mayevsky E.I. , Naroditsky B.S. , and V. E. Fortov : The Bactericidal Effect of Low Temperature Plasma on Extra- and Intra-Cellular Pathogens	16:15 - 16:30 Irina Sidorenko : Quantifying Bone Strength Using Finite Element Models (FEM)	
17:00 - 17:30 Coffee Break	16:30 - 17:00 Coffee break	
17:30 - 18:00 Tetsuji Shimizu : Characterization of Plasma Produced by MicroPlaSter and HandPlaSter	Session: Raman Spectroscopy and Glioblastoma	
18:00 - 18:30 Martina Anton : Killing of viruses with cold plasma produced by FlatPlaSter: Adenoviruses as an example of non-enveloped viruses	17:00 - 17:30 J�rgen Schlegel : Review: Glioblastoma Research	
	17:30 - 18:00 Katharina Klein/ Alex Gigler : Label-free Bio-Imaging of Living Human Glioblastoma Cells by Confocal Raman Microscopy	
	18:00 - 18:15 Thomas Aschenbrenner : Registration of Immunofluorescence and Raman-Spectroscopic Images Using Information Measures	
	18:15 - 18:30 Wolfram Bunk/Roberto Monetti : Decomposition of Raman-Spectra for the (Re)construction of Multicolor IF-Images of Cells	
19:00 - 20:00 Dinner	19:00 Bavarian Dinner	
20:00 - open end Discussions	20:00 - open end Discussions	