Workshop: Biomedical applications of functionalised carbon nanotubes

September 6-9, 2010, Dresden

as of August 25, 2010

Time	Su, 05 September	Time	Mo, 06 September	Time	Tue, 07 September	Time	Wed, 08 September	Time	Thu, 09 September
		08:50-9:00	**Welcome address and short introduction** Rüdiger Klingeler		**Session 4 - Toxicity and Interaction with Biological Environment**		**Session 5 - Hyperthermia**		**Sesion 7 - continued**
			Session 1 - Nanomedicine and the Potential of CNT in Nanomedicine	09:00-09:45	**4.1 - Hanene Ali-Boucetta:** Elucidating the in vitro & in vivo Toxicity of Functionalised Carbon Nanotubes	9:00-10:00	**5.1 - Dave Carroll:** Nanoparticle Mediated Hyperthermia: Animal Studies	9:00-09:30	**7.3 - Silke Hampel:** Carboplatin filled Carbon Nanotubes - a model for Carbon Nanotube-based drug delivery
		09:00-10:00	**1.1 - Kristina Riehemann:** t.b.a.	09:45-10:30	**4.2 - Rodger Duffin:** Mesothelial responses to multiwalled carbon nanotube exposure	10:00-10:45	**5.2 - Andreas Jordan:** Thermotherapy using magnetic nanoparticles: increased median survival time following tumor recurrence in glioblastoma multiforme patients	9:30-09:50	**7.4 - Elena Heister:** Functionalised carbon nanotubes as multimodal drug delivery systems for targeted cancer therapy
		10:00-11:00	**1.2 - Orazio Vittorio:** CNT-mediated wireless cell permeabilisation: drug and gene uptake					9:50-10:15	**7.5 - Giuseppe Cirillo:** Antioxidant Multi-Walled Carbon Nanotubes by Free Radical Grafting of Gallic acid: new materials for biomedical applications
		11:00-11:30	**Coffee break**	**10:30-11:00**	**Coffee break**	**10:45-11:15**	**Coffee break**	**10:15-10:45**	**Coffee break**
			Session 2 - Synthesis and Characterisation of Multi-functional Nanomaterials		**Session 4 - continued**	11:15-11:35	**5.3 - Yulia Krupskaya:** Feasibility of magnetically filled CNT for hyperthermia	10:45-11:05	**7.6 - Arthur Taylor:** Multifunctional Anti-Cancer Agents Based on Carbon-Encapsulated Iron Nanoparticles
		11:30-11:50	**2.1 - Petar Lukanov:** Synthesis of filled CNT and carbon encapsulated nanoparticles for medical application	11:00-11:30	**4.3 - Kati Erdmann:** Cytotoxicity and biocompatibility of carbon nanotubes		**Session 6 - Intracellular Uptake of CNT**	11:05-11:25	**7.7 - Vera Neves:** Carbon nanotubes: feasibility as nano-bio agents to target cancer
				11:30-11:50	**4.4 - Emmanuel Flahaut:** Health and environmental issues of double-walled carbon nanotubes	11:35-12:05	**6.1 - Constanze Lamprecht:** Investigating Cellular Uptake of Carbon Nanotubes using AFM and Fluorescence Microscopy	**11:30**	**Lunch break**
		11:50-12:10	**2.2 - Blazej Scheibe:** Synthesis and purification of iron filled multiwalled carbon nanotubes for biomedical applications	11:50-12:35	**4.5 - S. Moein Moghimi:** Complement Activation by PEG-Functionalized Multi-Walled Carbon Nanotubes	12:05-12:50	**6.2 - Johnjoe McFadden:** Functionalization of carbon nanotubes for biomedical application		**Farewell**
		12:10-12:30	**2.3 - Carmen Tilmaciu:** DWNT: suitable containers for hyperthermia application, MRI imaging and drug delivery system	12:35-13:05	**4.6 - Malgorzata Rybak-Smith:** Effect of Functionalization of Carbon Nanotubes on Complement Activation and Protein Adsorption				
		12:30-13:45	**Lunch break**	**13:05-14:30**	**Lunch break**	**12:50-14:00**	**Lunch break**		
			Session 2 - continued	14:30-15:00	**to "Postplatz" by tram**		**Session 7 - Towards targeted chemotherapy and gene delivery**		
		13:45-14:05	**2.4 - Krzysztof Cendrowski:** Synthesis and Characterization of Core/Shell mesoporous Silica Nanosheres supporting nanocrystalline titania	15:00-17:00	**from "Postplatz" Guided Walking City Tour**	14:00-15:00	**7.1 - Cecilia Menard-Moyon:** Multi-functionalisation of carbon nanotubes for targeted drug delivery		
		14:05-14:25	**2.5 - Ardeshir Guran:** Shape-control of carbon nanotubes by means of nanofluidic actuators			15:00-15:20	**7.2 - E. Moyes Prellezo:** Steps on the optimization of magnetic carbon encapsulates for biomedical applications		
		14:25-14:45	**2.6 - Ahmed El-Gendy:** Carbon-coated NiPt, CoPt nanoalloys: size control and magnetic properties			**15:20-16:00**	**Coffee break**		
			Session 3 - Magnetically functionalized CNT for Medical Diagnosis/Imaging			16:00-17:00	**CARBIO Round Table**		
		14:45-15:05	**3.1 - Martin Sobik:** t.b.a.						
		15:05-15:25	**3.2 - Matthias Lutz:** Magnetic properties of individual Fe filled CNT probed by micro-Hall magnetometry and magnetic force microscopy			17:00-18:00	**CARBIO Management Meeting**		
		15:25-15:55	**3.3 - Bennie ten Haken:** Magnetic imaging modalities, much more than whole body MRI						
		15:55-16:30	**Coffee break**						
		16:30-17:15	**3.4 - Kaiyu Shou:** Multiscale Robotics for Non-invasive Methodologies						
		17:15-17:35	**3.5 - Vijay Anuganti:** NMR and micro-MRI Imaging of Carbon Nanotubes						
		17:35-17:55	**3.6 - Anja Wolter:** Thermometry on the nanometer-scale for biomedical applications using NMR spectroscopy						
19:00	**Registration**	**19:00**	**Dinner at Schloss Eckberg**	**free evening**		**19:00**	**Conference Dinner at Schloss Eckberg**		
19:30	**Come-together**								