INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION – VII WORKSHOP

PROGRAM

	MONDAY, 25	**TUESDAY, 26**	**WEDNESDAY, 27**	**THURSDAY, 28**	**FRIDAY, 29**	**SATURDAY, 30**
	Chairman B Maraviglia	*Chairman A Villringer*	*Chairman C Guttmann*		*Chairman CA Porro*	*Chairmen B Maraviglia & F Giove*
8.45	Opening					
9.00 .15 .30 .45	**Logothetis** On Neurovascular Coupling	**Rogers** functional connectivity	**Gruetter** Ultra-high field MR studies of mouse brain		**Ronen** Towards tissue-specific and compartment-specific diffusion tensor MR	**Summers** Functional exploration of the human spinal cord during voluntary movement and somatosensory stimulation
10.00 .15 .30	**Villringer** Neurophysiology and plasticity of the somatosensory system	**Hampson** Relationships between behaviour and functional connectivity in the brain	**Duyn** Functional and anatomical contrast at high field		**Maier** Advanced acquisition methods for high-b diffusion imaging	**Stroman** Extending fMRI to Span the Brain, Brainstem, and Spinal Cord
.45 11.00	Coffee Break	Coffee Break	Coffee Break	Sightseeing tour	Coffee Break	Coffee Break
.15 .30 .45 12.00	**Uludag** The physics and physiology of fMRI	**De Munck** Characterization of the brain resting state using EEG and fMRI	**Logothetis** Electrostimulation & fMRI (esfMRI): Excitation-Inhibition Networks & Cortical Signal Propagation		**Mackay** Information about water exchange, reading ability and injury due to spinal stenoses using T2 and other MR techniques	**Eschenko** Functional Brain Mapping in Behaving Rats using MEMRI
.15 .30 .45	**Stroman** An alternative to BOLD contrast for fMRI: Signal Enhancement by Extravascular water Protons (SEEP)	**Lemieux** Multi-modal neuroimaging - levels of synchrony	**De Martino** Combining functional neuroimaging with machine learning and pattern recognition		**Kim** Diffusion MRI of the Cyto- and Myeloarchtecture of the Brain	**Logothetis** MEMRI and Microstimulation for the Study of Plasticity Induced by Hippocampal LTP
13.00						

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	Chairman NK Logothetis	*Chairman A Bifone*	*Chairman R Gruetter*		*Chairman F Giove*	
15.00					**Discussion:** Water and metabolite diffusion (Ronen, Maier, MacKay, Kim)	
.15	**Wise** Quantifying signal and noise in FMRI: the advantages and disadvantages of breathing	**Guttmann** Modeling of Central Nervous System Diseases using Neuroimaging	**Jasanoff** MRI contrast agents for functional brain imaging			
.30						
.45					**Mangia** NMR and neuroenergetics	
16.00	**Discussion:** Beyond the BOLD contrast (Logothetis, Uludag, Stroman, Wise, Villringer)	**Bruni** Genetics of degenerative dementia: studies throghout the history of populations	**Bifone** Pharmacological MRI			
.15						
.30					**Michaeli** NMR contrasts based on the frequency swept pulses	
.45	Coffee Break	Coffee Break	Coffee Break	Sightseeing tour		
17.00					Coffee Break	
.15	**Trahms** NMR at very low fields	**Villringer** Why do we eat too much? Lessons from brain imaging	**Iannetti** Characterizing the cortical activity through which pain emerges from nociception			
.30						
.45						
18.00	**Merkle** Customized radiofrequency probes for the investigation of primate and rodent brain using magnetic resonance in vitro and in vivo	**Discussion:** Resting state: what to do and what not to do (Rogers, Hampson, De Munck, Wise)	**Poster Session**		*Chairman: G. Garreffa* State of the Art and New Targets of Instrumentation for MRI	
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.30						
.45						

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