

INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION – XIII WORKSHOP

Erice - April, 22 - 29, 2018

	Monday, 23	Tuesday, 24	Wednesday, 25	Thursday, 26	Friday, 27	Saturday, 28	
	Chairman F. Giove	Chairman S. Mangia	Chairman A. MacKay	Sightseeing tour	Chairman M. Bianciardi	Chairman K. Uludag	
8:45	Opening: <i>Bruno Maraviglia</i>						
9:00	N.K. Logothetis Concurrent Physiological Multisite-Recordings & Brain Imaging: Study of Dynamic Connectivity Related to System and Synaptic Memory Consolidation	R. de Graaf Deuterium Metabolic Imaging (DMI) - A Novel Method to Map Metabolism in 3D	V. Kiselev Microstructure with diffusion: To see the invisible			A. MacKay Unravelling magnetic resonance signals from water, lipids and proteins in brain	C. Guttman Perivascular spaces in physiology and disease
:15							
:30							
:45							
10:00	K. Uludag High-resolution fMRI - acquisition and modeling	R. Gruetter Multinuclear MRS of brain metabolism and function	D. Novikov Microstructure with diffusion: What do we see?			A. Sierra Lopez Microstructural imaging of the brain	M. Bianciardi Ultra-high field MRI of the human brainstem
:15							
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:45							
11:00	<i>Coffe Break</i>	Coffe Break	Coffe Break			Coffe break	
:15							Coffe break
:30	G. Lohmann Analysing networks in the human brain using fMRI data	R. Turner Myelin and Modelling	I. Ronen Probing intracellular microstructure and physiology with diffusion weighted MRS			R.T. Branca Referenced hyper polarized xenon for accurate identification of NMR frequency lines and absolute MR thermometry	R. Wise Multi-parametric MR Imaging of the physiological state of human brain tissue: cerebrovascular and metabolic function
:45							
12:00					M Balasubramanian Line-scan diffusion MRI of cerebral cortex at 7T with 250 micron inline resolution		
:15							
:30	M. Hampson Time course of response to real-time fMRI neurofeedback	R. Mulkern Exploiting both sides of spin-echoes: From brain iron imaging to spectrally selective brain metabolite transverse relaxation	S. Capuani Statistical model approaches of non-Gaussian diffusion for extracting tissue microstructure from NMR-diffusion signal			Best poster talks	
:45							
13:00						Closing remarks	

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	Chairman L. Lemieux	Chairman M. Hampson	Chairman G. Iannetti	Sightseeing tour	Chairman V. Kiselev		
15:00	E. Formisano Computational Neuroimaging of Human (Auditory) Perception	G.Iannetti A basic physiological link between perception and action: the phenomenon of corticomuscular resonance	R. Bowtell Moving brain imaging towards real-world applications using a wearable MEG system			O. Grohn fMRI/EEG/brain stimulation in rat	
:15							
:30							
:45	A Bifone Functional connectivity networks in Schizophrenia	O. Eschenko The fMRI-inspired investigation of neurophysiological mechanisms underlying large-scale brain networks interaction	V. Pizzella Brain functional connectivity: a perspective from Magnetoencephalography			S. Mangia Functional NeuroImaging with MRI and MRS: an update in neuroscience, diabetes and aging research	
16:00							
:15							
:30	<i>Coffe break</i>	<i>Coffe Break</i>	<i>Coffe Break</i>			<i>Coffe Break</i>	
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17:00							
:15	POSTER SESSION	X. Yu Decipher the neuro-glia-vascular interaction with multi-modal fMRI, optogenetics, and intracellular calcium recordings	L. Lemieux Haemodynamic correlates of spontaneous and task-related brain activity recorded on invasive EEG		S. Michaeli fMRI studies during orientation selective neuromodulation		
:30							
:45							
18:00			POSTER SESSION		OPEN DISCUSSION		
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19:00							