

INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION
VIII WORKSHOP, ERICE 9-16 May, 2010
PROGRAM

	MONDAY, 10	TUESDAY, 11	WEDNESDAY, 12	THURSDAY, 13	FRIDAY, 14	SATURDAY, 15	
	<i>Chairman B. Maraviglia</i>	<i>Chairman N.K. Logothetis</i>	<i>Chairman P. Bandettini</i>		<i>Chairman R. Turner</i>	<i>Chairman F. Giove</i>	
8.45	Opening			Sightseeing tour			
9.00	Logothetis Advances on neurovascular coupling	Bandettini Functional MRI spatial patterns and temporal oscillations	Villringer What determines the BOLD signal: lessons from studies combining electrophysiological approaches			Bowtell Quantitative MRI at high field	Hyder Transient oxidative neuroenergetics in event related paradigms
.15							
.30							
.45							
10.00	Uludag Modeling the fMRI signal	Lemieux Studying brain networks in epilepsy by combining multiple modalities	Logothetis Electrical stimulation and fMRI: Signal propagation and network connectivity			Vaughan Ultra-high field MRI: The Hubble telescope for the human mind and brain	DiNuzzo Neurometabolic coupling in the human brain: Models and NMR
.15							
.30							
.45	Coffe break	Coffe break					Coffe break
11.00			Coffe break			Coffe break	
.15	Bagshaw EEG-fMRI integration within an Information Theoretic Framework	Gruetter Multinuclear imaging of brain function	Ruff Concurrent TMS-fMRI: A tool to study cortical excitability and effective connectivity in the human brain			Duyn Using anatomical contrast and resting state fMRI at high field to explore the brain	Rogers Functional Connectivity
.30							
.45							
12.00	Mulkern Simultaneous EEG and ultra-fast EPI brain imaging of epileptic subjects: Magnitude and phase changes accompanying spike activity	Bifone Imaging genetics: mapping the influence of genetic background on brain functional responses	Iannetti Novel approaches for the unbiased detection of brain responses at single trial level			Merkle Radiofrequency components for high field MR	Iacovella Relating cognition to physiology using BOLD and autonomic nervous system acquisitions
.15							
.30							
.45							
13.00						Discussion	

	<i>Chairman A. Villringer</i>	<i>Chairman R. Gruetter</i>	<i>Chairman D. S. Kim</i>		<i>Chairmen B. Maraviglia & G. Garreffa</i>			
15.00	Hertz Why do astrocytes need metabolic energy and how do they get it	Turner Do the Blind possess a Stria of Gennari?	Wise Strengthening human pharmacological fMRI: beyond the simple BOLD experiment	Sightseeing tour	Branca Water-lipid intermolecular zero quantum coherences: from temperature imaging to the detection of Brown Adipose Tissue			
.15			Porro Where expectations shape brain activity: fMRI correlates of placebo analgesia		Eschenko Mapping noradrenergic projections in the brain using MEMRI: comparative analysis of classical fluorescent tracer and MRI-visible contrast agent		Hyder Molecular imaging with multivalent PARACEST agents	
.30		Coffe break			Coffe break			
.45	Coffe break	Villringer Vascular Risk factors: The brain as culprit AND Victim	Jones Tractology		State of the Art and New Targets of Instrumentation for MR			
16.00							Ronen Functional diffusion weighted spectroscopy: a potential tool for monitoring cellular physiology during neuronal activation	De Santis Exploring the brain at high b-values: anisotropic anomalous diffusion and complex dynamics
.15								
.30	Burghoff Are brain currents detectable by means of Low Field MR ?							
.45		Coffe break						
17.00			Mangia Quantification of exchange mechanisms in the human brain and in protein dynamics by different RF pulse preparation scheme					
.15	Coffe break							
.30		Coffe break						
.45			Coffe break					
18.00	Burghoff Are brain currents detectable by means of Low Field MR ?							
.15		Coffe break						
.30			Coffe break					
.45	Coffe break							