

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

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

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