

# INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION – XII WORKSHOP

Erice - April 30<sup>th</sup> - May 6<sup>th</sup> 2016 - PROGRAM

	Sunday 1st	Monday 2nd	Tuesday 3rd	Wednesday 4th	Thursday 5th	
	Chairman <i>Federico Giove</i>	Chairman <i>Dae-Shik Kim</i>	Chairman <i>Kamil Uludag</i>	Sightseeing tour	Chairman <i>Richard Wise</i>	
8:45	<i>Opening: Federico Giove</i>					
9:00	<b>Ferraina</b> Multiscale analysis of neural activity in non human primates	<b>Iannetti</b> Avoiding injury: cortical mechanisms of threat detection and body defence	<b>MacKay</b> What determines T1 in brain?			<b>Gruetter</b> What insights into brain metabolism and function can high-field MR provide?
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10:00	<b>Gozzi</b> Directional information flow in mouse resting state fMRI networks	<b>Bifone</b> Modular (re)organization of brain functional connectivity in neuropsychiatric disease: a graph theoretical approach	<b>Mulkern</b> Separating reversible and irreversible transverse relaxation processes for the study of brain physiology and disease: a technical review with educational aspirations			<b>Neves Duarte</b> Alterations of brain energy metabolism in insulin resistance
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:45	<i>Coffe Break</i>	<i>Coffe Break</i>	<i>Coffe break</i>			<i>Coffe Break</i>
11:00						
:15	<b>Lemieux</b> Multimodal mapping of epileptic activity: Update	<b>Villringer</b> Not just the tip of the iceberg - The continuous path from obesity and hypertension to stroke and Alzheimer's disease	<b>Michaeli</b> MRI in High Rank Rotating Frames			<b>Mangia</b> Impact of Diabetes on Brain Structure and Function
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12:00	<b>Pizzella</b> Magnetoencephalography in the study of human brain dynamics	<b>Van Schependom</b> Brain atrophy in Multiple Sclerosis	<b>Gallichan</b> Imaging the human brain at ultra-high resolution using 3D FatNavs		<b>Poster session</b>	
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13:00						

	Sunday 1st	Monday 2nd	Tuesday 3rd	Wednesday 4th	Thursday 5th
	Chairman <i>Stefano Ferraina</i>	Chairman <i>Angelo Bifone</i>	Chairman <i>Rolf Gruetter</i>		Chairman <i>Federico Giove</i>
15:00	<b>Villringer</b> Stroke MRI: Current status and perspectives	<b>Iannetti</b> The functional significance of the brain responses elicited by salient sensory stimuli	<b>Ronen</b> Probing intracellular microstructure and physiology with diffusion weighted MRS	Sightseeing tour	<b>Wise</b> Quantifying Cerebral Oxygen Consumption and Cerebrovascular Function using fMRI methods
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16:00	<b>Van Schependom</b> From neuron to whole-brain functional connectomics	<b>Kim</b> Does the Brain utilize deep learning algorithms?	<b>Groehn</b> MRI of progressive injury and plasticity after brain injury in rat		<b>Best poster talk</b>
:15					
:30		<i>Coffe break</i>			
:45	<i>Coffe break</i>		<i>Coffe Break</i>		
17:00	<b>Pizzella</b> Brain functional connectivity: a perspective from Magnetoencephalography	<b>Guttman</b> Web-based laboratory for collaborative development, standardization and deployment of imaging metrics for neuroscience	<b>Uludag</b> Understanding the fMRI hemodynamic response		
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18:00		<b>Uludag</b> High field fMRI			
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:30			<b>Poster session</b>		
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