

PROGRAM**May 23 (Sunday)**

03.00 p.m.	<i>Posters can be posted from this time on in S. Domenico</i>
07.00 p.m.	<i>Welcome gathering at Marsala room</i>

May 24 (Monday)**Chair: Bruno Maraviglia**

a.m. 09.00 – 09.30	<i>Opening</i>
a.m. 09.30 – 10.30	Nikos K. Logothetis (Max-Planck-Institut für biologische Kybernetik, Tübingen; D) Neural events underlying the BOLD fMRI signal: combined electrophysiology and fMRI studies in anesthetized and alert monkeys
a.m. 10.30 – 11.30	Fernando Lopes da Silva (Swammerdam Institute for Life Sciences, Section Neurobiology, University of Amsterdam, Amsterdam; NL) Functional localisation of brain sources using EEG or MEG data: volume conductor and source models
a.m. 11.30 – 12.00	<i>Coffee break</i>
p.m. 12.00 – 01.00	Carlo A. Porro (Dipartimento di Scienze e Tecnologie Biomediche, Università di Udine, Udine; I) Perceptual-related activity in the human somatosensory system

Chair: Nikos K. Logothetis

p.m. 03.30 – 04.30	Warren S. Warren (Center for Molecular and Biomolecular Imaging Frick Laboratories, Princeton University, Princeton, NJ; USA) MultiCRAZED imaging for conventional and intermolecular multiple-quantum contrast enhancement
p.m. 04.30 – 05.30	Louis Lemieux (Department of Clinical and Experimental Epilepsy, Institute of Neurology, University College London, London; UK) EEG-correlated fMRI
p.m. 05.30 – 06.00	<i>Coffee break</i>
p.m. 06.00 – 06.30	Emiliano Macaluso (Neuroimaging Laboratory, Fondazione Santa Lucia, Roma; I) Causes and Effects: what can fMRI tell us about causality in the human brain?

INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION

2nd Course: Frontiers of Brain Functional MRI and Electrophysiological Methods

PROGRAM

May 25 (Tuesday)

Chair: Warren S. Warren

a.m. 09.00 – 10.00	Richard W. Bowtell (Magnetic Resonance Centre, School of Physics and Astronomy, University of Nottingham, Nottingham; UK) fMRI with high spatial/temporal resolution
a.m. 10.00 – 11.00	Nikos K. Logothetis (Max-Planck-Institut für biologische Kybernetik, Tübingen; D) Mass action studied with fMRI: in vivo connectivity studies with MR tracers and microstimulation
a.m. 11.00 – 11.30	Coffee break
a.m. 11.30 – 12.30	Fernando Lopes da Silva (Swammerdam Institute for Life Sciences, Section Neurobiology, University of Amsterdam, Amsterdam; NL) Electrophysiological studies of human brain function: dynamics and phase relations

p.m. 02.00 – 02.45 *poster session*

Chair: Richard W. Bowtell

p.m. 03.00 – 03.30	Robert V. Mulkern (Department of Radiology, Children's Hospital, Boston, MA; USA) Fast spectroscopic imaging methods and their potential application to functional imaging of the brain
p.m. 03.30 – 04.00	Mark Mandelkern (University of California at Irvine, Irvine, CA; USA) Multimodality Neuroimaging: The integration of nuclear, electrophysiological and optical methods with MRI
p.m. 04.00 – 04.30	Elia Formisano (Department of Neurocognition, Faculty of Psychology, Maastricht University, Maastricht; NL) Hypothesis- and data- driven multivariate analysis of functional MRI time-series
p.m. 04.30 – 05.00	Luigi Bianchi (Fondazione Santa Lucia, Roma; I) Timing issues and brain stimulation
p.m. 05.00 – 05.30	<i>Coffee break</i>
p.m. 05.30 – 06.30	Kâmil Uğurbil (Department of Radiology, University of Minnesota, Minneapolis, MN; USA) High field Functional Imaging

INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION

2nd Course: Frontiers of Brain Functional MRI and Electrophysiological Methods**PROGRAM****May 26 (Wednesday)****Chair: Fernando Lopes da Silva**

a.m. 09.00 – 10.00	Kâmil Uğurbil (Department of Radiology, University of Minnesota, Minneapolis, MN; USA) MR Spectroscopy at high magnetic fields
a.m. 10.00 – 11.00	Richard W. Bowtell (Magnetic Resonance Centre, School of Physics and Astronomy, University of Nottingham, Nottingham; UK) Feasibility of direct detection of neuronal currents using MRI
a.m. 11.00 – 11.30	Coffee break
a.m. 11.30 – 12.00	Fabio Babiloni (Dipartimento di Fisiologia Umana e Farmacologia, Università di Roma "La Sapienza", Roma; I) Solving the neuroimaging puzzle: the multimodal integration of neuroelectromagnetic and functional Magnetic Resonance recordings
p.m. 12.00 – 01.00	Warren S. Warren (Center for Molecular and Biomolecular Imaging Frick Laboratories, Princeton University, Princeton, NJ; USA) Exploiting NMR concepts to improve deep tissue optical imaging

p.m. 02.30 – 03.15 *poster session***Chair: Bruno Maraviglia**

	<i>Perspectives of instrumentation evolution for the human brain study through high field NMR and other techniques.</i>
p.m. 03.30 – 04.15	Franck Girard (General Electric Healthcare)
p.m. 04.15 – 05.00	Marcello Cadioli (Philips Medical Systems)
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