

INTERNATIONAL SCHOOL ON MAGNETIC RESONANCE AND BRAIN FUNCTION
 3rd Course: Brain Function Research by Magnetic Resonance, Electrophysiology and Molecular Probes
 ERICE-SICILY: 23-29 MAY 2005

PROGRAM

| | TUESDAY, 24 | WEDNESDAY, 25 | THURSDAY, 26 | FRIDAY, 27 | SATURDAY, 28 |
|-------|--|--|--|---|--|
| | <i>Chairman: Bruno Maraviglia</i> | <i>Chairman: Robert V. Mulkern</i> | <i>Chairman: John C. Gore</i> | <i>Chairman: Nikos K. Logothetis</i> | <i>Chairman: Warren S. Warren</i> |
| 8.45 | Opening | | | | |
| 9.00 | Logothetis BOLD fMRI in Monkeys: Combined Physiology and Imaging Experiments | Gore Correlation and integration of MRI, NIR and electrophysiology | Frackowiak Genetic and neurodegenerative diseases - studies with MR | Pines "Remote" MRI detection using spin hyperpolarized fluids | Pines SQUID NMR and MRI in zero field in the doctor's office? |
| .15 | | | | | |
| .30 | | | | | |
| .45 | | | | | |
| 10.00 | Van De Moortele Parallel Imaging at Ultra High Magnetic Field: a winning synergy | Villringer Multimodal Studies in Humans on "Inhibition", "Brain Rhythms", and "Spike Burst" | Bowtell fMRI with High Spatial and Temporal Resolution | Bianciardi Neuronal current fMRI | Logothetis Study of Network-Organization by Combined Autoradiography & Mn-Injections |
| .15 | | | | | |
| .30 | | | | | |
| .45 | Coffee Break | | Coffee Break | Coffee Break | |
| 11.00 | | Coffee Break | | | Coffee Break |
| .15 | Henry ¹ H NMR spectroscopy at high fields | Lemieux The study of EEG phenomena using fMRI | Mulkern Fast spectroscopic imaging and potential applications to fMRI: an update | Villringer Noninvasive Optical Brain Imaging in Humans | Henry In vivo ¹³ C NMR spectroscopy and metabolic modeling in the brain |
| .30 | | | | | |
| .45 | | | | | |
| 12.00 | Wadman Calcium homeostasis in the neuron: influx, efflux and buffering | Guttmann Cause and Effect in Neurological Diseases: a Framework for Image-Centered Discovery | Warren Structural imaging using intermolecular coherences | Mangia Functional MRS in the human brain at 7T | Warren Seeing into tissue with femtosecond laser pulses |
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| 13.00 | | | | | |

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| 14.15-15.00 | | <i>Poster session</i> | | <i>Poster session</i> | |
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| | <i>Chairman: Arno Villringer</i> | <i>Chairman: Richard W. Bowtell</i> | | <i>Chairman: Alexander Pines</i> | <i>Chairmen: Bruno Maraviglia Girolamo Garreffa</i> |
|-------|---|--|--|--|---|
| 15.00 | Mulkern Complementary Aspects of Diffusion Imaging and fMRI | Jasanoff Towards Molecular Imaging of Neural Activity in Animals | Sightseeing tour | Van De Moortele Functional MRI of the Human Brain at Ultra High Magnetic Field: Why and How? | State of the art and new targets of instrumentation for fMRI Cadioli Clementi & Ghedin Panagiotelis |
| .15 | | | | | |
| .30 | | | | | |
| .45 | Ronen Towards Compartment-Specific Diffusion MRI in the Brain | Pines Novel NMR/MRI based biosensors for molecular imaging | | Mac Kay Brain microstructure is reflected in the T ₂ distribution | |
| 16.00 | | | | | |
| .15 | | | | | |
| .30 | Coffee Break | Coffee Break | | Coffee Break | |
| .45 | | | | | |
| 17.00 | | | | | |
| .15 | Formisano Analysis of functional and effective connectivity in fMRI | Frackowiak Structure and function with MR in recovery after stroke | | Macaluso What makes a fMRI study a good fMRI study? | |
| .30 | | | | | |
| .45 | | | | | |
| 18.00 | Bloom Dielectric Properties of Human Brain Lipids | Bowtell Faster Gradients for MRI | Bianchi Issues on artifacts and signals during EEG recordings into the MRI scanner | | |
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| .30 | | | | | |
| .45 | | | | | |

Other activities:

Monday, 23

15.00 Poster can be posted from this time on in S. Domenico

19.00 Welcome gathering at Marsala Room