XIV International School on Magnetic Resonance and Brain Function (ISMRBF)

24th-29th October 2025, Erice (TP), Italy

Preliminary Program

	Saturday 25/10	Sunday 26/10	Monday 27/10	Tuesday 28/10
7:30-8:30	Breakfast	Breakfast	Breakfast	Breakfast
Morning session	Title: “At the origin of BOLD: the physiology behind the signal” Chair:	Title: “Beyond BOLD: towards a richer portrait of brain function” Chair:	Title: “Networks: a framework to link structure and function” Chair:	Title: “Plastic pictures of function: delving into structure and microstructure” Chair:
8:30-9:30	Welcome and Introduction	**Patricia Figueiredo** *Universidade de Lisboa* TBC	**Jorge Jovicich** *University of Trento* “Bridging scales: how networks link functional architecture, neurochemistry and cognitive function”	**Jacques-Donald Tournier** *King’s University College* TBC
9:30-10:30	**Shella Keilholz** *Emory University* “Oscillations in the brain: neural and vascular”	**Antonio Maria Chiarelli** *University of Chieti* “Functional MRI Approaches to Quantitatively Map Brain Oxygen Metabolism”	**Joana Cabral** *Universidade do Minho* “Dynamical exploration of Brain Coupling Modes”	**Christine Tardif** *McGill University* “Quantitative MRI of structural brain networks”
10:30-11:00	Coffee break	Coffee break	Coffee break	Coffee break
11:00-12:00	**Jozien Goense** *University of Illinois Urbana-Champaign* TBC	**Ileana Jelescu** *Lausanne University Hospital* “Microstructural diffusion MRI as a functional contrast complementary to BOLD”	**Emma Towlson** *University of Calgary* TBC	**Marco Palombo** *Cardiff University* TBC
12:00-13:00	**Valerio Zerbi** *University of Geneva* “Noradrenergic control of brain dynamics: from controlled activation to endogenous LC waves”	**Mattia Veronese** *University of Padova* “Enriching MRI with Molecular Imaging: Integrative Approaches for Quantitative Science”	**František Váša** *King’s University College* TBC	**Karin Shmueli** *University College London* TBC
13:00-15:00	Lunch	Lunch	Lunch	Lunch

Afternoon session	Title: “The devil is in the details: fMRI at high resolution:” Chair:	Title: “Signals in the noise: interpretation, characterization and removal” Chair:	Title: “Pitches & Posters” Chair:	Title: “Across scales, orders and synergies: perspectives from statistical physics” Chair:
15:00-16:00	**Omer Faruk Gulban** *Brain Innovation Maastricht* “Meso-vessel imaging with 7 T MRI: Linking anatomy and function in living humans”	**Jonathan Power** *Cornell University* “Why fMRI denoising is interesting”	TBC	**Tommaso Gili** *IMT School for Advanced Studies Lucca* TBC
16:00-16:30	Coffee break	Coffee break	Coffee break	Coffee break
16:30-17:30	**Shahin Nasr** *Massachusetts General Hospital* “Advancing Mesoscale Mapping of the Human Visual System with High Resolution Functional MRI”	**Luca Vizioli** *University of Minnesota* TBC	Pitches	**Enrico Amico** *University of Birmingham* “Higher-order connectomics of human brain function”
17:30-18:30	**Robert Trampel** *Max Planck Institute for Human Cognitive and Brain Sciences* TBC	**Yunjie Tong** *Purdue University* “Two sides of a coin: BOLD fMRI physiology and brain network denoising”	Posters	**Andrea Luppi** *University of Oxford* “Competitive interactions shape brain dynamics and computation across species”
19:30-21:00	Dinner	Dinner	Dinner	Dinner