

Risonanza Magnetica in Medicina: dalla ricerca tecnologica avanzata alla pratica clinica



ROMA
31 marzo - 1 aprile 2011

Congresso scientifico organizzato dall'Associazione Italiana di Risonanza Magnetica in Medicina e dall'Italian Chapter dell'ISMRM

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Michela Tosetti - Pisa

Cristina Valerio - Roma

Angelo Vanzulli - Milano

CALL FOR ABSTRACTS

Data di scadenza per l'invio

dei contributi scientifici: 28 febbraio 2011

Per informazioni e registrazione consultare:

www.biomedica.net

www.ismrm.org/italy/Congresso_annuale.htm

QUOTE DI ISCRIZIONE

Biologi, chimici, fisici, ingegneri, medici,
psicologi e tecnici: € 150 (+IVA)

Specializzandi e studenti: € 80 (+IVA)

The official language of the meeting is Italian with few exceptions - La lingua ufficiale del meeting sarà l'italiano con alcune dovute eccezioni

SEDE CONGRESSUALE

Università di Roma La Sapienza - Centro Congressi del Dipartimento di Scienze Odontostomatologiche

Via Caserta, 6 - Roma - di fronte alla fermata Policlinico - Linea B Metro - <http://w3.uniroma1.it/odontosto/didattica/offertadidattica/aule/aule.htm>



THURSDAY, 31 MARCH 2011

- 8:00 Registration
- 8:45 Welcome from the Italian Chapter of the ISMRM
- 9:00 **Stem Cells: from bench to bedside**
Moderators: Laura Guidoni, Andrea Laghi
- General overview on cancer stem cell
Ruggiero De Maria
 - MR metabolic pathway in cancer stem cells
Cristina Valerio
 - Cell tracking with MR: from bench to bedside
Letterio Politi, Milano
- Discussion
- 10:10 **Keynote Lecture**
MR imaging in medicine: *quo vadis?*
- Basic sciences
Bruno Maraviglia, Roma
 - Clinical sciences
Roberto Passariello, Roma
- 11:00 Break
- 11:20 **MR Spectroscopy and Imaging at ultrahigh field**
Moderators: Nicola De Stefano, Claudia Wheeler-Kingshott
- A human 7 Tesla has landed in Italy: what should be done?
Michela Tosetti, Pisa
 - MR spectroscopy in vivo : what do we gain at 7 Tesla?
Peter Barker, Baltimore
 - Sodium imaging of the human brain
Matilde Inglese, New York
 - Heteronuclear MRS: is it worth the effort?
Federico Glove, Roma
- Discussion
- 13:00 **Mini Symposium: Update on Clinical MR Imaging**
Moderator: Angelo Vanzulli
- Technical recent advances in body MR
Adrian Knowles, Milwaukee, WI
 - MR-guided Focus Ultrasound Surgery
Carlo Catalano, Roma
- 13:30 Lunch
- 14:15 Poster session

Thursday afternoon – Room 1

- 15:00 **Update in Cardiac Imaging**
Moderators: Giacomo Frati, Ernesto Di Cesare
- Imaging in murine models of myocardial infarction: potential and challenges
Uliano Guerrini, Milano
 - Conventional and Molecular Imaging in Regenerative Cardiology
Vincenzo Lionetti, Pisa
 - Technical challenges at 7 Tesla
Davide Santoro, Berlin
 - State of the art in clinical practice
Luigi Di Natale, Roma
- Discussion
- 16:30 Break
- 17:00 **Oral Scientific Communications**
Moderators: Anna Degrassi, Pasquina Marzola

Thursday afternoon – Room 2

- 15:00 **New developments in MR Hardware and Physics (Parallel session)**
Moderators: Franco Bertora, Michela Tosetti
- RF Coils for Ultra-High Field MR imaging
Marcello Alecci, L'Aquila
 - Coding/decoding methods for MRI in highly inhomogeneous magnetic fields
Giuseppe Placidi, L'Aquila
 - Hybrid prototype for MEG/MR imaging
Stefania Della Penna, Chieti
 - Hybrid prototype for PET/MR imaging
TBA
- Discussion
- 16:30 Break
- 17:00 **Oral Scientific Communications**
Moderators: Domenico Aquino, Mara Cercignani
- 18:30 Business meeting
- 19:30 Adjournment

FRIDAY, 1 APRIL 2011

- 9:00 **Advanced MR imaging applications**
Moderators: Stefano Colagrande, Gianni Morana
- Multimodal preclinical imaging of models of human diseases
Arturo Brunetti, Napoli
 - Impact of 3 tesla on clinical body imaging
Valeria Panebianco, Roma
 - Diffusion MR in body imaging
Giuseppe Petralia, Milano
 - Vessel size analysis in breast MRI: local vs. global vascularity
Francesco Sardanelli, Milano
- Discussion
- 10:30 **Keynote Lecture**
• Multiparametric functional MR imaging
Anwar Padhani, London
- 11:00 Break
- 11:20 **Exploring brain function**
Moderators: Roberto Floris, Pietro Pietrini
- Future directions of fMRI in cognitive neuroscience
Emiliano Macaluso, Roma
 - fMRI of the mirror system: how blind people "see" the actions of others
Emiliano Ricciardi, Pisa
 - Resting state fMRI in schizophrenia
Monica Mazza, L'Aquila
 - Resting state fMRI in dementia and disorders of conscious awareness
Federica Agosta, Milano
- Discussion
- 13:00 **Mini Symposium: Update on contrast agents**
Moderators: Silvio Aime, Arturo Brunetti
- 13:30 Lunch
- 14:15 Poster session

Friday afternoon – Room 1

- 15:00 **White matter and Myelin Imaging**
Moderators: Alessandro Bozzao, Raffaele Lodi
- Imaging the white matter: *quo vadis?*
Massimo Filippi, Milano
 - Axial & Radial Diffusivity
Claudia Wheeler Kingshott, London
 - Short T2-mapping and quantitative magnetization transfer: what do we gain?
Mara Cercignani, Roma
 - Phase-contrast imaging
Cisella Hagberg, Roma
- Discussion
- 16:30 Break
- 17:00 **Oral Scientific Communications**
Moderators: Marco Bozzali, Andrea Falini

Friday afternoon – Room 2

- 15:00 **New developments in musculoskeletal imaging**
Moderators: Carlo Masciocchi, Alfonso Ragozzino
- MSK imaging in children
Eugenio Mercuri, Roma
 - Cartilage imaging with platelet gel
Luigi Zugaro, L'Aquila
 - Advantages of MR imaging at 3 Tesla
Giuseppe Guglielmi, Foggia
 - Orthostatic imaging: hope or hype?
Giuseppe Monetti, Bologna
- Discussion
- 16:30 Break
- 17:00 **Oral Scientific Communications**
Moderators: Franca Podo, Francesco Sardanelli
- 18:30 **Getting ready for Montreal**
Preview of the 19th Annual Meeting of the ISMRM
Mara Rocca, Milano
- 19:00 Conclusions