



**UNIVERSITA' DEGLI STUDI DELL'AQUILA**  
**Dipartimento di Scienze della Salute**



**FORSCHUNGSZENTRUM JÜLICH**  
**in der Helmholtz-Gemeinschaft**  
**Institute of Neurosciences and Biophysics-Medicine**

## **Second Mini-Workshop**

# **Current Magnetic Resonance Research at the University of L'Aquila and the Forschungszentrum Jülich**

***L'Aquila***  
***17-18 October 2008***

### **Organisers:**

Prof. Marcello Alecci (Università dell'Aquila)

Prof. N. Jon Shah (Forschungszentrum Jülich)

### **Location:**

Università degli Studi dell'Aquila

17 October: Dip. di Scienze della Salute, Coppito 2- Lab Fisica Medica- A.06  
(open laboratory-free entrance)

18 October: Centro Congresso "Luigi Zordan", Piazza S. Basilio, L'Aquila  
(seminars - free of charge - pre-registration via email is required)

### **Info:**

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**17 October 2008**

**Università dell'Aquila, Dipartimento di Scienze della Salute  
Coppito 2, Seminterrato Stanza A04**

15:00-19:00	Open Doors at the MR Laboratory	A. Sotgiu & M. Alecci
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**18 October 2008**

**Università dell'Aquila, Centro Congressi "L. Zordan"  
Piazza S. Basilio**

08:45	<b>Welcome</b>	N. J. Shah & M. Alecci
09:00	<b>Presentation of the Dipartimento di Scienze della Salute</b>	<b>A. Sotgiu</b>
09:15	<b>MR Activities at the Forschungszentrum Juelich</b>	<b>N.J. Shah</b>
09:40	<b>Overview of Current MR Projects in L'Aquila</b>	<b>M. Alecci</b>
10:05	<b>MR Imaging from 1.5 to 9.4 T</b>	<b>A. Oros-Peusquens</b>
10:30	<b>Developments in Low Field MRI</b>	<b>A. Sotgiu</b>
10:55	<b>Coffee break</b>	
11:15	<b>Guest Lecture: Alzheimer's Disease in Animal Models</b>	<b>L. Domenici (UNIVAQ)</b>
11:45	<b>Sodium Imaging in Human Brain with SPRITE</b>	<b>J. Kaffanke</b>
12:10	<b>Multiple Tuned TEM Resonators</b>	<b>A. Vitacolonna</b>
12:35	<b>Non Cartesian Approach to Sodium MR Imaging</b>	<b>S. Romanzetti</b>
13:10	<b>Lunch</b>	
14:30	<b>Guest Lecture: NMR-Visible Mobile Lipids in Cultured Cells</b>	<b>F. Podo (ISS, Roma)</b>
15:00	<b>JEMRIS Version 2.0</b>	<b>T. Stöcker</b>
15:25	<b>Biology of Human Gliomas</b>	<b>A. Cimini</b>
15:55	<b>Parallel TX Tailored 3D Selective Excitation</b>	<b>K. Vahedipour</b>
16:20	<b>Tea break</b>	
16:35	<b>RF Coils for Accelerated MRI at High Fields</b>	<b>J. Felder</b>
17:00	<b>RF Surface Coils for Clinical MRS</b>	<b>M. Alfonsetti</b>
17:25	<b>Hardware Development with Surface MRI</b>	<b>M. Ciarrocchi</b>
17:45	<b>MR Study of Alginate Hydrogels</b>	<b>M. Bascelli</b>
18:05	<b>Static Magnetic Field &amp; Radical Pair Reactions</b>	<b>N. Catallo</b>
18:25	<b>Parkinson Rat Models</b>	<b>G. Confalone</b>
18:45	<b>Adjournment</b>	<b>N. J. Shah, M. Alecci</b>