

XLII National Congress, Bari, 22-24 September 2014

Program

Monday September 22nd

| 10:00-13:00 | Registration | | |
|---|---|---|--|
| 11:00-12:00 | Innovative solutions | | |
| 12:00-13:00 | Bruker users meeting | Agilent users meeting | |
| 42.00.44.00 | | | |
| 13:00-14:00 | Lunch | | |
| 14:00-14:30 | Opening | | |
| 14:30-15:30 | GIDRM/GIRM gold medal award. Chair: M. Cremonini | | |
| 45 20 45 50 | N. Niccolai: My long way from 90 MHz to few THz | | |
| 15:30-15:50 Annalaura Segre fellowship 2013. Chair: H. Molinari S. Zanzoni :Set-up and optimization of electroporation protocols to achieve high cell viability and eukary. | | | |
| | uptake of isotope-labeled proteins for in-cell NMR | | |
| 15:50-16:35 | Plenary Lecture. Chair: V. Gallo | | |
| | P. Mastrorilli: Application of heteronuclear NMR spectroscopy for mechanistic and structural studies on platinum complexe | | |
| 16:35-17:40 | Coffee break | I Poster session | |
| 10.55-17.40 | Coffee break + Poster session | | |
| | Parallel session A. Chair: L. Mannina | Parallel session B. Chair: A. Spisni | |
| 17:40-18:10 | F. Cesare Marincola: From breast milk to cheese: some NMR-based metabolomics applications | F. Rastrelli: NMR of monolayer-protected nanoparticles | |
| 18:10-18:30 | N. Proietti: Portable NMR as a non invasive tool for monitoring the water status of fruits | R. Luisi: Nitrogen stereodynamics as key factor in t reactivity of small heterocycles | |
| 18:30-18:50 | G. Praticò: NMR-based metabolomics of breast milk to | C. Airoldi: Identification of new anti-neurodegenerat | |
| | evaluate the effect of phenotype, lactation period and dietary intervention | compounds through the NMR screening of natural extracts | |
| 18:50-19:10 | A. Rizzuti: NMR based statistical hetero-spectroscopy for | C. R. Girelli: Sterical and electronic effects in [PtCl ₂ (| |
| | knowledge transfer in vine leaves quality assessment | CH ₂ =CH ₂)(N^N)] complexes assessed by NMR | |
| 19:10-19:30 | A. Ventrella: Characterization of table grape quality by nuclear magnetic resonance coupled with chemometrics | P.Mazzei : Quantitative evaluation of non covale interactions between glyphosate and dissolved hur substances by NMR spectroscopy | |
| | GIRM Assembly | | |

Tuesday September 23rd

| 9:00-9:45 | Plenary Lecture. Chair: P. Turano | |
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| | M. Zweckstetter: NMR spectroscopy in neurodegeneration: Tau and TSPO | |
| 9:45-10:05 | Bruker Sponsor Lecture. Chair: P. Turano B. Perrone: When the speed matter(s): from very fast MAS to static solid state NMR | |
| | B. Perrone: Wrien the speed matter(s). Ironi very last MAS to static solid state MMR | |
| 10:05-11:20 | Coffee break + Poster session | |

| 11:20-11:50 | Parallel session A. Chair: F. Arnesano L. Ragona: Design of new anti-angiogenic agents targeting fibroblast growth factor-2 interactions with tyrosine-kinase | Parallel session B. Chair: M. Chierotti G. Mollica: Residual Dipolar Couplings: a tool for NMR crystallography |
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| 11:50-12:10 | receptor and heparan sulphate proteoglycans F. Favretto: Characterization of bile salt binding to recombinant human liver fatty acid binding protein | F. Martini: Crystallographic properties of zirconium phosphonates by means of ¹⁹ F and ¹ H solid-state NMR |
| 12:10-12:30 | A. Lasorsa: Cisplatin handover from the copper transporter ATOX1 to ATP7A (MBD1) in near physiological conditions | S. Todisco: Application of solid state NMR spectroscopy to investigate on chemical shift anisotropy in dinuclear platinum |
| 12:30-13:00 | D. O. Cicero: The interaction of BA42, a new phosphatase from the antartict, with divalent metals ions | complexes A. Bagno: Predicting the NMR spectra of paramagnetic iron complexes by DFT |
| 13:00-14:30 | Lunch | |
| | Parallel session A. Chair: L. Calucci | Parallel session B. Chair: N. Niccolai |
| 14:30-15:00 | G. Pileio: Long-lived localisation in MRI | G. Colafemmina: NMR studies of internuclear interactions in micellar systems |
| 15:00-15:20 | A.Pagoto: Lipid-based nanosystems targeting the activated endothelium for the in vivo visualization by MRI of localized inflammation | V. Di Tullio: Single-sided NMR to study transport of water in agar gels used as cleaning tool in conservation of cultural heritage |
| 15:20-15:40 | M. Muñoz Ubeda: Novel nanocarriers based on lipophilic mono- and disaccharides/DPPC encapsulating Gd(III) complexes as efficient MRI probes | C. Corsaro: ¹ H HR-MAS NMR investigation on the molecular degradation of ancient documents |
| 15:40-16:25 | Plenary Lecture. Chair: V. Gallo A. Macchioni: NMR as an essential tool for investigating mole | cular transition metal catalysts |
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| 16:25-17:30 | Coffee break + Poster session | |
| 17:30-18:15 | Plenary Lecture. Chair: M. Gussoni D. Delli Castelli: Ln(III)HPDO3A complexes as paramagnetic MRI-CEST agents | |
| 18:15-18:35 | Agilent Sponsor Lecture. Chair: M. Gussoni M. Cremonini: NUS for everyone: not uniform sampling made easy | |
| 18:35-20.00 | GIDRM assembly + announcement of poster competition winners | |
| 20:30 | Social dinner | |
| | Wednesday Septemb | er 24 th |
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| 8:45-9:30 | Plenary Lecture. Chair: M. Geppi S. Ashbrook: Investigating disorder in the solid state using NN | AP spectroscopy |
| 0.20-10.15 | Lectures of poster competition winners. Chair: H | |
| 9:30-10:15 | Lectures of poster competition winners. Chair. H | |
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| | Parallel session A Chair: M Genni | |
| 10:15-10:45 | Parallel session A. Chair: M. Geppi S. Bracco: Modulation of rotor dynamics and recognition of host-guest interactions in highly porous materials | Parallel session B. Chair: S. Mammi M. Veronesi: ¹⁹ F NMR for functional screening and fragment |
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