16:50-17:15	**COFFEE BREAK**
17:15-19:15	**ASSEMBLIES OF GIDRM AND GERM**
20:30-24:00	**SOCIAL DINNER**

Friday September 30th

	PLENARY SESSION / Chair: D. Topgaard
9:00-9:45	**J. Martins (University of Gent, Belgium) -** An NMR View on Antimicrobial Cyclic Lipopeptides from
9:45-10:05	**SPONSORSHIP LECTURE (EXTRABYTE): S. Sykora -** Developments in the Evaluation of Dosy Data
10:05-10:45	**BEST POSTER AWARDS**
10:45-11:15	**COFFEE BREAK**

	PARALLEL SESSION A / Chair: R. Fattorusso	PARALLEL SESSION B / Chair: A. Gronenborn
11:15-11:35	**M.E. Di Pietro -** Playing Around with Hydrophobic (DEEP) Eutectic Solvents: What we can Learn from NMR	**X. Falourd -** Revisiting 1H->13C Polarization Transfer Kinetic To Investigate Interactions In Polysaccharide
11:35-11:55	**A. Ducroix -** Dynamics Of Water Inside Boehmite Suspensions Probed By Fast-Field Cycling NMR	**T. Cartlidge -** Predicting Spin Relaxation In Porous Media Of Arbitrary Complexity
11:55-12:15	**T. Poumeyrol -** ^{1}H-^{1}H Residual Dipolar Coupling measurement from Multiple-Quantum build-up experiments at low magnetic field in rubber industry	**C. Lhoste -** Online Monitoring Of An Organocatalytic Reaction By Broadband Ultrafast 2D NMR In Flow Conditions
12:15-12:35	**K. Bagheri -** State Of Charge Of The Li-Ion Battery Electrodes From The Distortion Of The 1H NMR Spectrum Of The Liquid Electrolyte	**A. Briot-Dietsch -** Untargeted NMR Analyses Of Pfas In Polluted Environmental In Polluted Media

12:35-12:50	**CLOSING**
12:50-14:00	**LUNCH**
	SATELLITE EVENT: NMR IN INDUSTRIAL APPLICATIONS / Chair: C. Marchioro
14:00-14:25	**F. Reniero -** NMR analysis in the frame of Customs controls
14:25-14:50	**V. Gallo -** NMR-based community-built analytical systems in food control and quantitative analysis
14:50-15:15	**F. Berti -** NMR characterization of polysaccharide-based vaccines
15:15-15:40	**E. Moro -** CONFORMATIONAL ANALYSIS IN DRUG DESIGN: a synergic approach of NMR& Computational Chemistry
15:40-16:05	**L. Duciel -** RESCUE 3: Versatile decision-making tool for NMR spectral assignments of proteins& Computational Chemistry
16:05-16:30	**D. Besghini -** LF-TD-NMR for the development of printing blankets& Computational Chemistry

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Joint Italian-French Meeting on Magnetic Resonance

Scientific Program

27-30 September 2022

University of Milano - Bicocca

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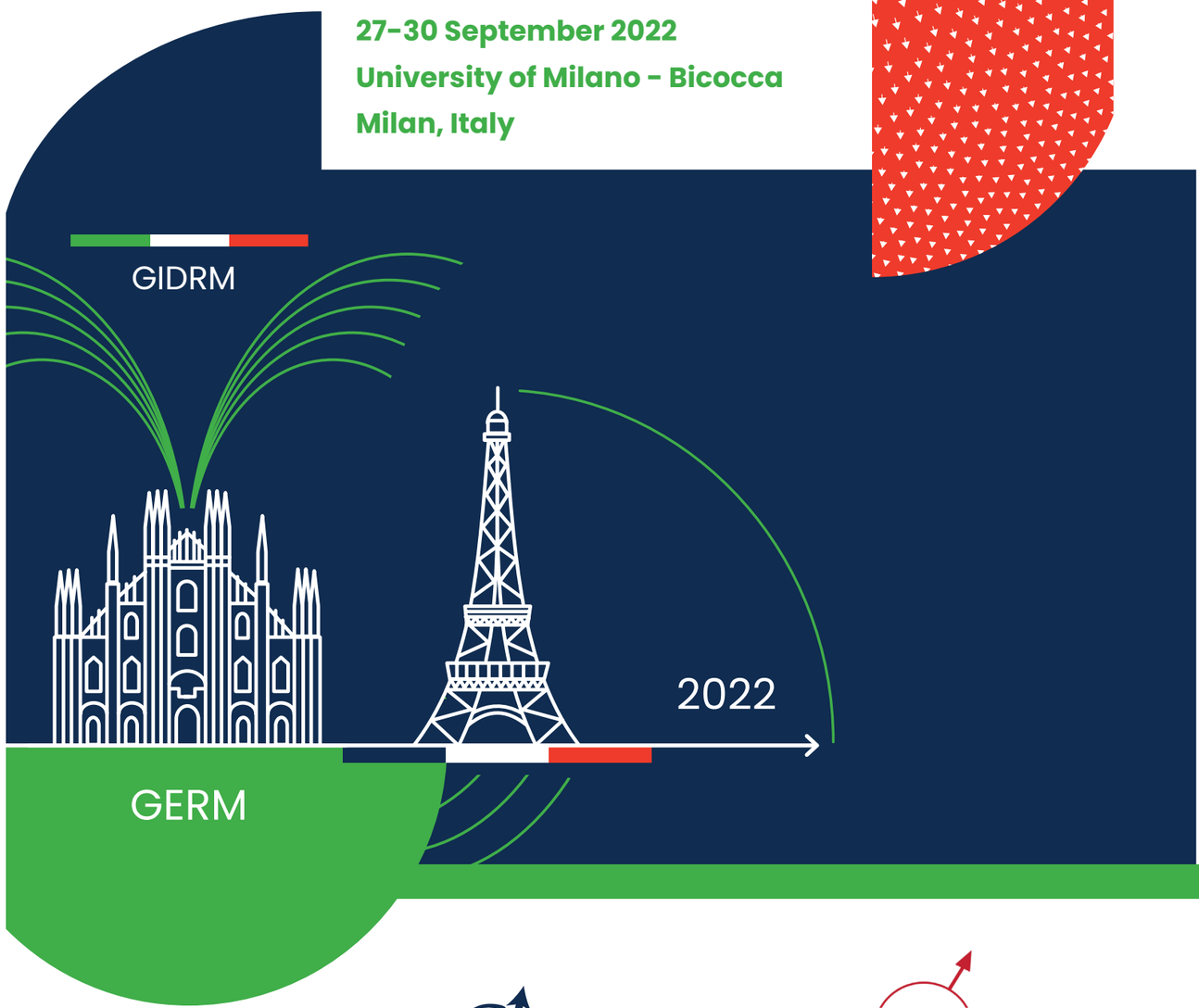

GIDRM Gruppo Italiano Discussione Risonanze Magnetiche

GERM Groupement d'Etudes de Resonance Magnetique

Tuesday September 27st

9:00-13:00	**REGISTRATION**
9:30-11:00	**JEOL SATELLITE MEETING**
11:30-13:00	**BRUKER SATELLITE MEETING**
13:00-14:00	**LUNCH**
14:00-14:30	**OPENING**

PLENARY SESSION / Chair: P. Sozzani

14:30-15:15	**D. Bryce (University of Ottawa) -** Sigma Hole Interactions Studied by Multinuclear Solid State Magnetic Resonance and Nuclear Quadrupole Resonance
15:15-16:00	**A. Webb (University of Leiden) -** Low Field MRI: Physics, Engineering and Politics
16:00-16:20	**SPONSORSHIP LECTURE (STELAR)** **Ph. R. Bodart (University of Burgundy) -** Polygalacturonic Gels Probed by Fast Field Cycling NMR
16:20-16:30	**IUPAC PRESENTATION: S. Borsacchi**
16:30-17:30	**COFFEE BREAK + POSTER SESSION 1 (ODD ABSTRACT NUMBERS)**

	PARALLEL SESSION A / Chair: D. Bryce	**PARALLEL SESSION B /** Chair: A. Bifone
17:30-17:50	**F. Pourpoint -** Probing Oxygen Exchange in Metal-Organic Frameworks and their Water Stability Using ^{17}O NMR	**D. Lalli -** High- and Low Resolution NMR Characterization of GdAAZTA Derivatives Functionalized with Amino Acids
17:50-18:10	**R. Chèvre -** NMR Spectroscopy, a Gateway for Kinetics and Structure Determination of Calcium Carbonate Hemihydrate	**E. Gianolio -** Design of MRI Contrast Agents: Matching enhanced relaxivity and stability in new Gd-HPDO3A analogues
18:10-18:30	**E. Carignani -** NMR for the Study of Dynamics in Lead Halide Perovskites: Applications to Mixed-Cations and 2D Phases	**F. Guerroudi -** NMR methods and devices for the characterization of flows and transfers in milli-channels
18:30-18:50	**F. Bravetti -** Solid-State NMR-Driven Crystal Structure Prediction of Organic Compounds with Ambiguous Proton Position	**R. Nasser Din -** Lanthanide-Containing Polyoxometalates as Enhanced MRI Contrast Agents at High Magnetic Fields
18:50-19:10	**A. Scarperi -** Structure and Dynamics OF Crystalline Carbimazole: Combination Of Solid State Nmr, Quasielastic Neutron Scattering, Molecular Dynamics And DFT	**F. Brero -** Quantitative Muscle MRI Biomarkers in Facioscapulohumeral Muscular Dystrophy through Radiomics and Machine Learning

Wednesday September 28nd

PLENARY SESSION / Chair: A. Barnes

9:00-9:45	**M. Leskes (Weizmann Institute of Science) -** Paramagnetic Metal Ions DNP for Bulk and Surface Sensitivity in Inorganic Solids
9:45-10:15	**P. Turano (University of Florence) –** NMR of Biomolecules: From Very Large to Very Small (and Vice Versa)
10:15-10:45	**A. Bifone (University of Torino) –** Towards Hyperpolarization with Nitrogen-Vacancy Centers in Diamond
10:45-11:40	**COFFEE BREAK + POSTER SESSION 2 (EVEN ABSTRACT NUMBERS)**

	PARALLEL SESSION A / Chair: P. Giraudeau	**PARALLEL SESSION B /** Chair: M. Leskes
11:40-12:00	**A. Sobolev -** NMR Metabolomics Of Brassica Vegetables: Practical Implementations In Agro-Food Sustainable Systems	**M. Lelli -** Strategies For High-Temperature And Fast-Mas Dynamic Nuclear Polarization
12:00-12:20	**E. Dufourc -** Dynamic Sorting of Mobile and Rigid Molecules in Biomembranes by MAS ^{13}C-NMR	**S. Mamone -** Pulsed Phip-Sah Methods To Produce Hyperpolarized Substrates In Clean Water Solutions For Biomedical Applications
12:20-12:40	**G. Petrella -** Metabolism Evolution Of Prostate Cancer Cells During The Development Of Chemoresistance	**T. Georges -** Investigations of Ca^{2+} aqueous complexes through 43Ca MAS-DNP NMR of vitrified
12:40-13:20	**GIDRM UNDER 35 AWARD** **V. Ghini and A. Vignoli -** NMR-Based Metabolomics: A Journey in its Applications in Cancer Research, from Biofluids to Cells	**A. Frison -** An Innovative Solvent-Free Polymer Sample Preparation Method For DNP SSNMR **C. Praud -** Development Of Ultrafast 2D NMR For DNP-Hyperpolarised Metabolic Mixtures
13:20-14:50	**LUNCH**	

PLENARY SESSION / Chair: J. Martins

14:50-15:35	**A. Barnes (ETH Zurich, Switzerland) -** Spinning Spheres, in-Cell NMR, and Magnet Fabrication for Pulsed DNP and NMR >28 Tesla
15:35-16:05	**P. Giraudeau (University of Nantes, France) -** Dissolution Dynamic Nuclear Polarization Opens New Perspectives for Metabolomics
16:05-16:35	**H. Ratiney (CNRS Lyon, France) -** In vivo MR Spectroscopy Quantification: Locks And Prospects
16:35-16:55	**SPONSORSHIP LECTURE (JEOL): M. Perez -** JEOL's NMR software platform: JASON
16:55-17:50	**COFFEE BREAK + POSTER SESSION 3 (ODD ABSTRACT NUMBERS)**
from 17:50	**SOCIAL EVENT**

Thursday September 29rd

PLENARY SESSION / Chair: P. Turano

9:00-9:45	**M. Pons (University of Barcelona) -** Integrating Order and Disorder an Src Cell Signalling: the NMR Approach
9:45-10:15	**R. Fattorusso (University of Campania) -** The Role of Protein Folding Mechanisms in Amyloid Fibril Formation
10:15-10:45	**F. Ochsenbein (CEA-Saclay, France) -** Structure-Function Studies and Inhibitor Design of Histone Chaperones
10:45-11:40	**COFFEE BREAK + POSTER SESSION 4 (EVEN ABSTRACT NUMBERS)**

	PARALLEL SESSION A / Chair: F. Ochsenbein	**PARALLEL SESSION B /** Chair: M. Pons
11:40-12:00	**G. Pintacuda -** Fast Biomolecular NMR With Fast MAS (Without And With DNP)	**L. Fusaro -** Investigation of the extraordinary self-assembly of a simple organic salt by multinuclear NMR in liquid-state
12:00-12:20	**A. Gallo -** Structural Basis For The Interaction Between A Peptidyl Carrier Protein And Condensation Domain In The Enacyloxin Hybrid PKS-NRPS	**I. Villa -** Study Of Magnetic Properties And Spin Dynamics In Molecular Magnets With Integer Spin Values
12:20-12:40	**V. Bernard -** MicroRNA sponging by HuR	**R.A. Salvino -** NMR-Based Methods For Pharmaceutical Industry: An Application Of The Analytical Procedures Lifecycle Concept
12:40-13:00	**F. Munari -** NMR of protein-protein interactions of Tau, a key player of Alzheimer's disease	**S. Denis-Quanquin -** Capturing The Dynamic Association Between A Tris-Dipicolinate Lanthanide Complex And A Decapeptide: A Combined Paramagnetic NMR And Molecular Dynamics Exploration
13:00-14:20	**LUNCH**	

PLANARY SESSION / Chair: M. Geppi and C. Airoldi

14:20-14:50	**WINNER OF THE GIDRM/GIRM GOLD MEDAL 2022** **P. Sozzani (University of Milan) -** The Dynamical World of Solids

Chair: H. Ratiney

14:50-15:35	**D. Topgaard (University of Lund) -** Model Free Approach to the Interpretation of Restricted and Anisotropic Self Diffusion in Magnetic Resonance of Biological Tissues
15:35-16:20	**A. Gronenborn (University of Pittsburgh, USA) -** The Awesome Power of Fluorine NMR – from Drugs to Cells
16:20-16:40	**SPONSORSHIP LECTURE (BRUKER)** **J. Coutant -** software News – TopSpin, SmartDriveNMR and Bruker Chemist Suite
16:40-16:50	**SPONSORSHIP LECTURE (MAGRITEK): D. Bouillaud**