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MRC 2019 Program

Sunday, January 20

Time	Session/Lecture info
16:30-17:00	Registration & Coffee
17:00-18:30	Opening Session Lucio Frydman
17:00-17:45	Shimon Vega , Weizmann Institute of Science <i>Still trying to understand DNP</i>
17:45-18:30	Dominique Massiot , CNRS Orléans <i>Order and disorder in materials from solid state NMR</i>
18:30-20:30	Dinner

Monday, January 21

Time	Session/Lecture info
08:30-09:00	Registration & Coffee
09:00-10:40	Session 1 Patrick Giraudeau
09:00-09:30	Phillip Selenko , Weizmann Institute of Science <i>In-Cell NMR Spectroscopy</i>
09:30-09:50	Diego Gauto , CEA Université Grenoble-Alpes <i>Selective DNP - enhanced NMR of carbohydrate protein binding sites</i>
09:50-10:10	Annalisa Pierro , Aix Marseille Université <i>UreG, an essential chaperone for the pathogenesis of Helicobacter pylori: a structural dynamics study by SDSL-EPR spectroscopy</i>
10:10-10:40	Frédérique Pourpoint , Université de Lille <i>Insights into the MOFs structure by NMR</i>
10:40-11:10	Coffee break
11:10-12:40	session 2 Amir Goldbourn
11:10-11:40	Aharon Blank , Technion, Israel Institute of Technology <i>Proton polarization enhancement of up to 150 with dynamic nuclear polarization of plasma-treated glucose powder</i>
11:40-12:10	Nicolas Giraud , Université Paris Descartes <i>Ultrahigh-Resolution NMR for the Analysis of Complex Samples</i>
12:10-12:40	Noam Ben Eliezer , Tel Aviv University <i>Quantitative MRI: Increasing the sensitivity and reproducibility of Magnetic Resonance Imaging</i>
12:40-14:15	Lunch
14:15-15:55	Session 3 Dominique Massiot
14:15-14:45	Gaël De Paepe , CEA Université Grenoble-Alpes <i>Dynamic Nuclear Polarization enhanced solid-state NMR: natural isotopic abundance and closed-loop cryogenic helium sample spinning</i>

Time	Session/Lecture info
14:45-15:05	Maria Makrinich , Tel Aviv University <i>Hydrogen-detected relaxation time measurements of "invisible" quadrupolar spins by solid-state NMR under magic angle spinning</i>
15:05-15:25	Nicolas Bolik Coulon , CNRS PSL Université <i>How does it really work? Understanding methyl-TROSY over orders of magnitude of magnetic fields</i>
15:25-15:55	Akiva Feintuch , Weizmann Institute of Science <i>Increasing sensitivity of pulse-EPR distance measurements – towards cellular concentrations</i>
15:55-16:25	Coffee Break
16:25-17:55	Session 4 Daniella Goldfarb
16:25-16:55	Rina Rosenzweig , Weizmann Institute of Science <i>Molecular Chaperones in Protein Disaggregation System</i>
16:55-17:25	Sami Jannin , Université de Lyon <i>Generating, Storing and Transporting Hyperpolarization with HYPOP (Hyperpolarizing Porous Polymers)</i>
17:25-17:55	Michal Leskes , Weizmann Institute of Science <i>Endogenous Dynamic Nuclear Polarization for Natural Abundance: ^{17}O and Lithium NMR in the Bulk of Inorganic Solids</i>

Tuesday, January 22

Time	Session/Lecture info
08:30-09:00	Registration & Coffee
09:00-10:40	Session 1 Jacob Anglister
09:00-09:30	Guido Pintacuda , CNRS Université de Lyon <i>Metal ions by paramagnetic solid-state NMR: from materials science to structural biology</i>
09:30-09:50	Or Szekely , Weizmann Institute of Science <i>Hyperpolarized water to visualize disordered, well-folded and lowly-populated states in proteins</i>
09:50-10:10	Marta Bonaccorsi , CNRS Université de Lyon <i>Fast magic-angle spinning NMR of membrane proteins</i>
10:10-10:40	Rachel Katz Brull , HUJI Hadassa <i>New indicators of liver disease offered by monitoring the metabolism of hyperpolarized substrates</i>
10:40-11:10	Coffee Break
11:10-12:40	Session 2 Gil Goobes
11:10-11:40	Valérie Belle , Aix Marseille Université <i>Nitroxide spin labels: fabulous spy spins for biostructural EPR applications</i>
11:40-12:10	Jordan Chill , Bar Ilan University <i>Following conformational ensembles in IDPs: Lessons from the disordered multi-tasker WASp Interacting Protein</i>
12:10-12:40	Mladen Horvatic , LNCMI-CNRS Université Grenoble Alpes <i>High-field NMR for Solid State Physics</i>
12:40-14:15	Lunch
14:15-16:05	Session 3 Shimon Vega
14:15-14:45	Ilia Kaminker , Tel Aviv University <i>Influence of electron spin dynamics on NMR spectra under DNP conditions</i>

Time	Session/Lecture info
14:45-15:05	Stuart Elliott , Université de Lyon <i>Nuclear Singlet Relaxation by Scalar Relaxation of the Second Kind in the Slow-Fluctuation Regime</i>
15:05-15:35	Rita Schmidt , Weizmann Institute of Science <i>About dielectric resonators and metamaterials to improve imaging at ultra-high field MRI</i>
15:35-16:05	Catherine Deborde , INRA Bordeaux <i>NMR-based metabolomics at Bordeaux Metabolome Facility: 4 short stories.</i>
16:05-16:40	Coffee Break
16:40-18:10	Session 4 Jean-Nicolas Dumez
16:40-17:10	Luisa Ciobanu , CEA Université Paris Saclay <i>Brain sugar consumption during neuronal activation detected by CEST functional MRI at ultra-high magnetic fields</i>
17:10-17:40	Sharon Ruthstein , Bar Ilan University <i>The copper transfer mechanism in prokaryotic and eukaryotic systems - in-vitro and cell study</i>
17:40-18:10	Fabien Ferrage , CNRS PSL Université <i>Investigating complex dynamic systems at high resolution with NMR: from high magnetic fields down to milliTesla</i>

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