



## Réunion RMN Grand Bassin Parisien

<http://rmngbp.cnrs-orleans.fr>

**Sorbonne Université, Paris, 26 janvier 2023**

**Organisation locale** : Plateforme RMN de Sorbonne Université

**Coordination** : Christian Bonhomme, Franck Fayon

8h45	<b>Accueil Café</b>		
9h20	<b>Thomas Vosegaard</b>	Interdisciplinary Nanoscience Center – Aarhus	<b>Conférencier invité:</b> Advances in NMR numerical simulations and data sharing
9h50	<b>Eddy Dib</b>	Lab. Catalyse et Spectrochimie – Caen	Solid-state NMR to probe hydroxyls in zeolites
10h10	<b>Thomas Robinson</b>	CRMN – Lyon	New methods for ultra-sensitive broadband MAS NMR spectroscopy for chemistry
10h30	<b>Davy Sinnaeve</b>	Integrative Structural Biology – Lille	Making good use of $^{13}\text{C}$ to either measure or suppress $^1\text{H}$ - $^1\text{H}$ couplings
10h50	<b>Pause-Café</b>		
11h10	<b>Dror Warschawski</b>	Lab. des Biomolécules – Paris	Lipid / peptide interactions assessed by recoupling of the $^{31}\text{P}$ chemical shift anisotropy
11h30	<b>François Theillet</b>	I2BC – Gif-sur-Yvette	In-cell structural biology using NMR: Novel, affordable strategies for analyzing proteins expressed <i>in situ</i>
11h50	<b>Margherita Bazzoni</b>	CEISAM – Nantes	In-line monitoring of photoactivated flow reactions by high field NMR

12h10	<b>Déjeuner</b>		
13h50	<b>Yury Kolyagin</b>	UCCS – Lille	Identification of zeolite BEA polymorphs by advanced <sup>29</sup> Si solid-state NMR spectroscopy
14h10	<b>Sébastien Mittlette</b>	Institut Charles Gerhardt – Montpellier	<sup>17</sup> O labeling of citric acid and citrates: A valuable approach for high resolution NMR studies of cocrystals and nanomaterial surfaces
14h30	<b>Guillaume Laurent</b>	LCMCP – Paris	Silica supported organometallic iridium complexes
14h50	<b>Khashayar Bagheri</b>	CEMHTI – Orléans	Spying on the state of charge of battery electrodes using the <sup>1</sup> H NMR spectrum of the electrolyte
15h10	<b>Borja Caja-Munoz</b>	NIMBE/LSDRM – Gif-sur-Yvette	Analyse <i>in situ</i> d'une batterie à flux redox organique par résonance magnétique et fabrication additive
15h30	<b>Pause-Café</b>		
16h00	<b>Antonio De Souza Braga Neto</b>	PHENIX – Paris	NMR spectroscopy as a tool for the study of homogeneous liquid-liquid extraction for critical metals using ionic liquids
16h20	<b>Thomas Poumeyrol</b>	Michelin – Clermont-Ferrand	Mesures de couplages dipolaires résiduels <sup>1</sup> H- <sup>1</sup> H par RMN <sup>1</sup> H Multi-Quanta à bas champ magnétique dans l'industrie de la caoutchouterie
16h40	<b>Agathe Marcelot</b>	IBPC – Paris	Developing tools for identifying cross-talks between tRNA chemical modifications in Bacillus Subtilis
17h00	<b>Nour El Sabbagh</b>	CEISAM – Nantes	Towards a flow synthesis platform with in-line high-field NMR
17h20	<b>Emeric Miclet</b>	Lab. des Biomolécules – Paris	Quels apports de l'expression protéique acellulaire en RMN liquide ? ou Incorporation rationnelle de pseudoprolines trifluorométhylées dans des peptides mimes de collagènes
17h40	<b>Christian Bonhomme, Franck Fayon</b>		Conclusions