



Meeting "Very-high field NMR and industrial issues"
14 June 2018, ENSCBP, Bât. B, Allée Geoffroy Saint Hilaire, 33600 Pessac

- 8:45 - 9:00 **Welcome A. Loquet**
9:00 - 9:15 **Presentation of the IR-RMN A. Lesage**

1. Metabolomics, agronomy, wine industry and cosmetics

Chair : **A. Moing (INRA, Bordeaux)**

- 9:15 - 9:30 **E. Cahoreau - INSA (Toulouse, FR)**
"Fluxomics for Life Science Industry"
- 9:30 - 9:45 **J. Kuntz - L'Oréal (Paris, FR)**
"Applications of NMR at L'Oréal"
- 9:45 - 10:00 **P. Beaune - Famille Michaud (Gan, FR)**
« Honey Authenticity - All the advantages of NMR in a food industry »
- 10:00 - 10:15 **CBMN (Pessac, FR) - A. Saad**
"Wine and Vine NMR"

10:15 - 10:45 **Coffee break**

2. Energy and materials

Chair : **O. Lafon (UCCS, Lille)**

- 10:45 - 11:00 **Y. Nishiyama, H. Maeda, Y. Yanagisawa - JEOL (Tokyo, JP)**
"Progress in ultra-high magnetic field NMR from Japan"
- 11:00 - 11:15 **B. Gabrielle - Hutchinson (Montargis, FR)**
"Characterization of polymer blends by NMR "
- 11:15 - 11:30 **K. Seidel - BASF (Mannheim, DE)**
"NMR from low to very high fields in a chemical company's context"
- 11:30 - 11:45 **P. Diss - SAFRAN (FR)**
"Solid state NMR, a tool for the development of antioxidant protection in aeronautics"
- 11:45 - 12:00 **M. Comte - Corning SAS (Avon, FR)**
"Nucleation process in glass-ceramics studied by solid-state NMR"

12:00- 13:30 **Buffet lunch, discussions**

- 13:30 - 13:45 **S. Diallo-Garcia - Solvay (FR)**
" Solid state NMR : application to Solvay projects"
- 13:45 - 14:00 **R. Paquin – Michelin (Clermont-Ferrand, FR)**
"NMR for the charaterization of elastomers"

3. NMR Methodology

Chair : **G. Pintacuda (CRMN, Lyon)**

- 14:00 - 14:15 **V. Sarou-Kanian - CEMHTI (Orléans, FR)**
"New developments in solid-state MRI for materials"
- 14:15 - 14:30 **G. Bodenhausen - ENS (Paris, FR)**
"Accelerating NMR in liquids and solids in view of improved drug screening"
- 14:30 - 14:45 **P. Wikus – Bruker Biospin (Fällanden, CH)**
" Development of Ultra-High Field NMR Magnets at Bruker BioSpin "
- 14:45 - 15:00 **G. Mollica - ICR (Marseille, FR)**
"DNP NMR for the structural investigation of polymorphic functional organic powders at natural isotopic abundance"

15:00-15:30 **Coffee break**

4. Life sciences

Chair : B. Brutscher (IBS, Grenoble)

- 15:30 - 15:45 **O. Millet – BioGUNE (Bilbao, ES)**
" NMR-based metabolomics for the diagnose of congenital inborn errors"
- 15:45 - 16:00 **S. Laplante - NMX (Montréal/Boston, Canada/USA)**
"Discovering drugs, tools and interesting chemical properties using practical NMR strategies"
- 16:00 - 16:15 **D. Ban - Merck (New York, USA)**
"Applications of NMR relaxation dispersion spectroscopy within a drug discovery framework"
- 16:15 - 16:30 **P. Hennig - Servier (Paris, FR)**
"NMR, a versatile and ubiquitously technique at the heart of R&D"
- 16:30 - 16:45 **R. Kerfah - NMR Bio (Grenoble, FR)**
"Advanced Labelling Technologies to Tackle Challenging Therapeutic Targets by NMR "
- 16:45 - 17:00 **Discussions and Closing session**
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