



## MPBT platform scientific day

March 29<sup>th</sup> 2017

Campus Jussieu 75005 Paris – Conference Room of IMPMC – Aisle 22-23 – 4<sup>th</sup> floor

- 8:30 Registration
- 9:00 Welcome - Introduction
- 9:15 **Invited.** Ramzy Daou (CRISMAT Laboratory, Caen)  
*Thermal transport in the PPMS*
- 10:00 Valérie Marvaud (IPCM)  
*Light Induced Magnetism in Molybdenum Complexes*
- 10:30 Erwann Bocquillon (LPA)  
*Topological Josephson junctions on the Quantum Spin Hall insulator HgTe*
- 11:00 **Coffee break + posters (If you are interested in presenting a poster, contact the organisers)**
- 11:30 Jérôme Fresnais (PHENIX)  
*Measurement of  $zfc$ - $fc$  curve for large magnetic nanoparticles*
- 12:00 Valerio Pasquali (INSP)  
*Use of PPMS for the characterisation of two-dimensional electron gases confined in GaAs/AlGaAs heterostructures*
- 12:30 Lunch time**
- 13:45 **Invited.** José Martinez-Lillo (Instituto di Ciencia Molecular, València)  
*Magnetic anisotropy in new SMMs and high-pressure effect on old spin-canted systems*
- 14:30 Ricardo Lobo (LPEM)  
*An optical perspective of the magneto-electric coupling in multiferroic materials*
- 15:00 Johan Biscaras (IMPMC)  
*Inducing superconductivity in a semi-conductor with space charge doping*
- 15:30 Yoann Prado (IPCM)  
*Fonctionnalisation de nanoparticules magnétiques par des complexes moléculaires*
- 16:00 **Coffee break + posters**
- 16:30 Romain BREITWIESER (MONARIS)  
*Binary Superlattices from  $\{Mo_{132}\}$  Polyoxometalates and Maghemite Nanocrystals: Long-range Ordering and Fine-tuning of Dipole Interactions*
- 17:00 Clément Larquet (LCMCP)  
*Oxysulfide Nanomaterials with Tunable Optical and Magnetic Properties*
- 17:30 **Discussion on the development of the MPBT platform**



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