

The Institut de Nanociència i Nanotecnologia Universitat de Barcelona, IN<sup>2</sup>UB, and Grup de Magnetisme i Molècules Funcionals, GMMF from UB, kindly invite you to attend the following conference:



***"Magnetic memory in single molecules"***

Date: Tuesday 16<sup>th</sup> January 2018 at 12h

Venue: Faculty of Chemistry, Aula Magna Enric Casassas.

By **Dr. Nick Chilton**, faculty member at Manchester University

Dr. Nick Chilton, Ramsay Memorial Research Fellow at The University of Manchester, is the group leader of the Chilton Group in the School of Chemistry at The University of Manchester, working to understand the fundamental properties of magnetic molecules. Their interests include studying novel metal coordination geometries and oxidation states, the link between molecular structure and magnetic anisotropy, as well as magnetic relaxation dynamics. They are involved in the design, characterisation and interpretation of magnetic molecules, employing SQUID magnetometry, optical, EPR and INS spectroscopies, multi-configurational quantum chemical calculations, and spin Hamiltonian modelling.

Dr. Nick Chilton is author of the **PHI program**; a computer program designed for the calculation of the magnetic properties of paramagnetic coordination complexes.

**Reference:** Molecular magnetic hysteresis at 60 kelvin in dysprosocenium. *Nature*, 2017, 548, 439–442 (doi:10.1038/nature23447)