

Magnetic nanoparticles for biomedical applications

Workshop Venue: Sala de Seminarios, Instituto de Ciencia de Materiales de Madrid, Cantoblanco, Madrid

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Date: Friday, 11th December 2015

Program

9.45 L. Gutiérrez Welcome/Opening of the workshop

Session 1

9.50 S. Veintemillas (ICMM) The Nanomag Project
10.05 G. Salas (IMDEA) Magnetic nanoparticles. For biomedical applications?
10.25 A. G. Roca (ICN2) Design and synthesis of iron oxide-gold hybrid heterostructures for theranostic applications.
10.45 H. Gavilán (ICMM) Synthesis of irregular shaped iron oxide magnetic nanoparticles and study of their magnetic properties.
11.05 D. Serantes (U. York) Magnetite rods for enhanced magnetic hyperthermia and accurate field control

11.25 *Coffee break*

Session 2

12.00 J. M. Rojas (CNB) SPION treatment can alter M2 macrophage phenotype: implications for nanoparticle-based immunomodulation.
12.20 J. Pellico (CNIC) Core-doped 68Ga iron oxide nanoparticles. Synthesis & Applications.
12.40 M. Moros (ISASI) Deciphering intracellular events triggered by mild magnetic hyperthermia in vitro and in vivo.
13.00 V. Garcés (U. Granada) Magnetic probiotic bacteria. Biomedical applications.

