



IFLP Instituto de Física La Plata



INIBIOLP Instituto de Investigaciones Bioquímicas de La Plata

CONICET

FINAL PROGRAM

WORKSHOP

BIOMEDICAL APPLICATIONS OF NANOMATERIALS: MAGNETOFECTION AND MAGNETIC HYPERTHERMIA

Monday, 15 April, 2013,
from 9:00 a.m. to 12:00 p.m.

Meeting venue:

Scientific & Technological Convention Center (CCT).
Calle 8 n° 1467 (e/ 62 y 63), La Plata, Bs As, Argentina.

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Block 1: MAGNETOFECTION

- **Physics of Magnetic Nanomaterials. Some potential applications in biomedicine and biomedical materials.** **Francisco Sánchez** (Institute of Physics IFLP-CONICET, National University of La Plata, UNLP, Argentina).
- **Magnetic nanomaterials for nucleic acids delivery: Physico-chemical and biophysical aspects.** **Olga Mykhaylyk** (Klinikum rechts der Isar der TUM, Institute of Experimental Oncology and Therapy Research, Munich, Germany).
- **Applications of magnetofection for optimizing cell reprogramming and gene transfer in muscle.** **Rodolfo Goya** (Institute for Biochemical Research (INIBIOLP)-Histology B-Pathology B, Faculty of Medicine, UNLP, La Plata, Argentina).

(Coffee Break)

Block 2: HYPERTHERMIA

- **Multifunctional Magnetic Nanoparticles for Selective Detection and Treatment of Cancer.** **María del Puerto Morales** (Instituto de Ciencia de Materiales de Madrid, ICMM-CSIC, 28049, Madrid, Spain).
- **Dipolar-interactions effect in nanoparticles efficiency for magnetic hyperthermia.** **Marcela Fernández van Raap** (Institute of Physics IFLP-CONICET, National University of La Plata, UNLP, Argentina).