

Nanoparticles for biomedical applications

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

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Program

10.15 L. Gutiérrez/G. Salas Welcome/Opening of the workshop

Session 1 (Chair: Álvaro Somoza)

10.20 V. San Miguel (UC3M) Antimicrobial properties and human cytotoxicity of reduced graphene oxide modified with polysulfone brushes

10.40 J. G. Ovejero (ICM) Magneto-plasmonic nanoparticles for photoacoustic imaging

11.00 A. Guerrero (UCM) Plasmonic photothermal destruction of cancer cells assisted by femtosecond lasers

11.25 E. Martín (UAM) Overcoming autofluorescence: long luminescence lifetime nanoparticles for time-gated bioimaging

11.45 Coffee break

Session 2 (Chair: Helena Gavilán)

12.20 A. Latorre (IMDEA) DNA stabilized gold nanoparticles for cancer treatment and detection

12.40 F. Novio (ICN2) Coordination polymer particles (CPPs) as novel nanomaterials for theranostics

13.00 L. de Matteis (INA) Hybrid nanocomposite hydrogels based on natural polymers

13.20 M. Marciello (ICMM) Preparation and coating strategies of bio- nanosystems