

Jordi Hernando was born and grew up in Barcelona, Spain. After studying chemistry at the Universitat of Barcelona, he joined the Prof. Miguel Gonzalez's group at the same university, where he got his PhD degree in Physical Chemistry in 2000. There he applied both laser spectroscopy techniques and theoretical calculations to investigate gas-phase reactions of relevance in atmospheric chemistry. In the early 2000s he was a post-doctoral fellow at Niek van Hulst's group at the MESA⁺ Institute for Nanotechnology of the Universiteit Twente, Netherlands, where he exploited single-molecule fluorescence spectroscopy techniques to study exciton dynamics in multichromophoric aggregates. Since 2004 he is a member of the "Electrochemistry, Photochemistry and Organic Reactivity" group of the Universitat Autònoma de Barcelona, where he is currently an Associate Professor. Based on his strong background in photophysics/photochemistry and nanoscience/nanotechnology, his current research interest focuses on the preparation and characterization of optically-active materials using both bulk and micro-/nanoscopic approaches.

Recent selected publications:

- "Encapsulation and release mechanisms in coordination polymer nanoparticles", L. Amorín-Ferré, F. Busqué, J. L. Bourdelande, D. Ruiz-Molina, J. Hernando, F. Novio, *Chem. Eur. J.* 19, 17508-17516 (2013)
- "Liquid-filled capsules as fast responsive photochromic materials", N.-A. Vázquez-Mera, C. Roscini, J. Hernando, D. Ruiz-Molina, *Adv. Opt. Mater.* 1, 631-636 (2013)
- "A light- and redox-controlled fluorescent switch based on a perylenediimide-dithienylethene dyad", R. S. Sánchez, R. Gras-Charles, J. L. Bourdelande, G. Guirado, J. Hernando, *J. Phys. Chem. C* 116, 7164-7172 (2012)
- "Multiplexed arrays of chemosensors by parallel dip-pen nanolithography", A. Martínez-Otero, P. González-Monje, D. Maspoch, J. Hernando, D. Ruiz-Molina, *Chem. Commun.* 47, 6864-6866 (2011)
- "Structuration of pH-responsive fluorescent molecules on surfaces by soft-lithographic techniques", A. Martínez-Otero, F. Busqué, J. Hernando, D. Ruiz-Molina, *Nanoscale* 2, 1781-1788 (2010)