

Daniel received his MSc and PhD degrees in Condensed Matter Physics at the University of Cadiz in 2003 and 2007, focused on the development of magneto-optic nanocomposites. In 2008 he joined the University of the Basque Country as a research associate working on anomalous magnetic properties of noble metal nanoparticles and diluted magnetic semiconductors. In 2009 he won a postdoctoral Marie Curie fellowship to join the University College London (UCL) and the Royal Institution of Great Britain in London for three years. During this time, he specialised in the application of magnetic nanoparticles in biomedicine, particularly in hyperthermia for the treatment of certain cancers, as well as in tissue engineering and cell therapies based on mesenchymal stem cells. Daniel spent a short spell as research associate to the EIIRIS institute at the University of Toyohashi in 2013. Later that year he joined IMDEA Nanoscience as Assistant Research Professor through a Marie Curie Action and became leader of the Applied Nanomagnetism group. With deep research interests in nanomedicine, he is vice-chair of the COST action "RADIOMAG", the largest European network dedicated to the combination of magnetic hyperthermia and radiotherapy.

Currently, Daniel serves as expert for the European Commission and other research organisations in Spain, UK, Romania and Hungary. He has been elected to the EPSRC's Peer Review College, and is a member of the RSC's Chemical Nanoscience and Nanotechnology committee, as well as the European Technology Platform in Nanomedicine.