

## **R&D PROJECTS FUNDED BY PUBLIC CALLS**

### **INTERNATIONAL PROJECTS**

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▪ Project title: "Trans-Pyreanean node for scientific instrumentation" (TNSI)  
Main researcher: David Serrate  
Financing entity: INTERREG-POCTEFA; EFA194/16/TNSI.  
Budget: €217,863 (INA); €1,913,052 (consortium)  
Duration: 2018 – 2021

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▪ Project title: "Production of nanoporous suspended graphene-based membranes for gas separation made without using transfer methods" (GATES)  
Main researcher: Raúl Arenal  
Financing entity: European Union & Spanish Ministry of Economy, Industry and Competitiveness. FLAG-ERA JTC 2017 call.  
Budget: €162,213.03 (INA); €634,464.12 (consortium)  
Duration: 2018 – 2020

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▪ Project title: "Graphene Flagship Core Project 2" (GRAPHENECORE2)  
Main researcher: Raúl Arenal  
Financing entity: European Union. H2020-SGA-FET-GRAPHENE-2017 call.  
Budget: €130,000 (INA); €88,000,000 (consortium)  
Duration: 2018 – 2020

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▪ Project title: "Trans-Pyreanean node for scientific instrumentation" (TNSI)  
Main researcher: David Serrate  
Financing entity: European Union. INTERREG-POCTEFA.  
Budget: €217,863 (INA); €1,913,052 (consortium)  
Duration: 2018 – 2021

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▪ Project title: Spin conversion, logic storage in oxide-based electronics (SPICOLOST)  
Main researcher: M.H. Aguirre (Coordinator)  
Financing entity: European Union. Horizon 2020 programme  
Budget: €310,500 (INA); €693,000 (consortium)  
Duration: 2017 – 2021

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▪ Project title: Graphene-based disruptive technologies (GRAPHENECORE1)  
Main researcher: R. Arenal  
Financing entity: European Union. Horizon 2020 programme  
Budget: €137,086.55  
Duration: 2016 – 2018

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▪ Project title: Graphene-based nanomaterials for touchscreen technologies: Comprehension, commerce and communication (ENABLING EXCELLENCE)  
Main researcher: R. Arenal  
Financing entity: European Union. Horizon 2020 programme, Marie Curie ITN  
Budget: €247,872.96  
Duration: 2015 – 2019

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▪ Project title: Innovative interfaces for energy-related applications (INTERNEW)  
Main researcher: J. M. de Teresa  
Financing entity: European Union. Seventh Framework Programme  
Budget: €58,800  
Duration: 2014 – 2017

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▪ Project title: Based Revolutions in ICT And Beyond (GRAPHENE FLAGSHIP)  
Main researcher: R. Arenal  
Financing entity: Funded by the European Commission and the University of Zaragoza  
Budget: €102,618  
Duration: 2014 – 2016

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▪ Project title: ESTEEM2. Enabling Science and Technology through European Electron Microscopy  
Main researcher: M.R. Ibarra  
Financing entity: European Union. Seventh Framework Programme- Research Infrastructures  
Budget: €7,486,016.41 (total); €370,905.60 (INA-LMA)  
Duration: 2012 – 2016

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▪ Project title: Thermo-Spintronic: High performance energy by the interplay between thermoelectricity and spin Seebeck effect  
Main researcher: M.R. Ibarra  
Financing entity: European Commission. PUI/2012-053  
Budget: €100,000  
Duration: 2012 – 2016

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▪ Project title: Nanovectores magnéticos: nueva estrategia para el tratamiento de enfermedades parasitarias (NANOCRUIZI)  
Main researcher: G. Goya  
Financing entity: Spanish Ministry of Economy and Competitiveness. National R&D Internationalisation Programme, Subprogramme: International Projects, Bilateral Projects (Argentina). PRI-PIBAR-2011-1384  
Budget: €60.000  
Duration: 2011 – 2015

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▪ Project title: Development of thin-film thermoelectric devices by utilizing

Main researcher: magnetic nanostructures for ubiquitous thermoelectrics  
M.R. Ibarra  
Financing entity: Spanish Ministry of Economy and Competitiveness. National R&D Internationalisation Programme, Subprogramme: International Projects, Bilateral Projects (Japan). PRI-PIBJP-2011-0794  
Budget: €158,000  
Duration: 2011 – 2014

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▪ Project title: TRAIN2: Transpyrenees action on advanced infrastructures for nanoscience and nanotechnologies  
Main researcher: M.R. Ibarra  
Financing entity: European Union, Interreg IV B SUDOE. TRAIN2-SOE2/P1/E-280  
Budget: €253,490.89  
Duration: 2011 – 2012

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▪ Project title: Nanopartículas magnéticas multifuncionales: diagnóstico y terapia por MRI, PET e hipertermia magnética  
Main researcher: G. F. Goya (España) y B. Antic (Serbia)  
Financing entity: Ministerio de Ciencia e Innovación, Programa Nacional de Internacionalización de la I+D, Subprograma de proyectos internacionales, proyectos de movilidad hispano-serbios (acciones integradas). AIB2010SE-00202  
Budget: €3,950  
Duration: 2011 – 2012

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▪ Project title: Nanodepósitos magnéticos y superconductores para puntas ultrafuncionales de microscopía túnel  
Main researcher: J.M. de Teresa (España) y J.I. Pascual (Alemania)  
Financing entity: Ministerio de Ciencia e Innovación, Programa Nacional de Internacionalización de la I+D, Subprograma de proyectos internacionales, proyectos de movilidad hispano-alemanes (acciones integradas). AIB2010DE-00290  
Budget: €7,200  
Duration: 2011–2012

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▪ Project title: Bismuth and Graphene Nanostructures for Spintronics (BINGSPIN)  
Main researcher: P. Algarabel  
Financing entity: European Union. Project ref. 251791  
Budget: €45,000  
Duration: 2010 – 2013

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▪ Project title: Magnetotransducción: nanopartículas magnéticas para terapia génica (NEURONANO)  
Main researcher: G. Goya  
Financing entity: Spanish Ministry of Science and Innovation, National R&D Internationalisation Programme, Subprogramme: International Projects. PIM2010EEU-00065  
Budget: €50,000

Duration: 2010 – 2012

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▪ Project title: Spintronics and spin-caloritronics  
Main researcher: L. Morellón  
Financing entity: Ministerio de Ciencia e Innovación, Subprograma de Acciones Integradas: Portugal. PT2009-0025  
Budget: €8,000  
Duration: 2010–2011

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▪ Project title: NANOTRUCK: Multifunctional gold nanoparticle for gene therapy  
Main researcher: M.R. Ibarra (Coordinador) y J. M. de la Fuente  
Financing entity: Unión Europea, ERA-NET NanoSci-E+  
Budget: €220,000  
Duration: 2009 – 2012

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▪ Project title: Thermoelectric Conversion in half-metals based on the spin Seebeck effect  
Main researcher: M.R. Ibarra  
Financing entity: Spanish Ministry of Science and Innovation, National R&D Internationalisation Programme, Subprogramme: promoting international scientific cooperation, ACI-PLAN E (Japanese-Spanish joint projects on "Nanosciences and New Materials). PLE2009-0017  
Budget: €40,000  
Duration: 2009 – 2012

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▪ Project title: Magnetic nanoparticles for nerve regeneration (MARVENE)  
Main researcher: G. Goya  
Financing entity: European Union, ERA-NET NanoSci-E+ Transnational Consortium, NAN092  
Budget: €201,000  
Duration: 2009 – 2012

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▪ Project title: Integrated lab-on-chip platforms for medical diagnostics (Luso-Spanish Network)  
Main researcher: M.R. Ibarra  
Financing entity: Spanish Ministry of Science and Innovation, National R&D Internationalisation Programme, Subprogramme: EUROINVESTIGACIÓN. EUI2008-00120  
Budget: €22,371.42  
Duration: 2009 – 2011

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▪ Project title: Competitive contact-less position sensor based on magnetoresistive nano-contacts (MUNDIS)  
Main researcher: M.R. Ibarra  
Financing entity: European Commission. Sixth Framework ProgrammeFP6-IST.IST-2004-2.4.2 027827  
Budget: €440,587  
Duration: 2005 – 2008

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▪ Project title: Spin, charge and orbital ordering in complex transition metal oxides: an integrated synthesis and measurement approach (SCOOTMO)

Main researcher: C. Marquina  
Financing entity: European Commission. Fifth Framework. HPRN-CT.  
Budget: €208.755  
Duration: 2002 – 2006

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