

## Borja Sepúlveda

CSIC scientific researcher at the ICN2



**B**

ORJA SEPÚLVEDA

- 2001-2005--PhD degree in Physics from the Complutense University of Madrid. His PhD research was carried out at the Microelectronics Institute of Madrid (IMM---CNM, CSIC).
- 2006-2008 – Postdoctoral stay at the Bionanophotonics and Bioimaging group in Chalmers University of Technology (Göteborg, Sweden).
- 2008-2009 – Postdoc at the Catalan Institute of Nanoscience and Nanotechnology (ICN2, ICN---CSIC) in Barcelona.
- 2009-2011 – Ramon y Cajal grant at the ICN2
- 2012- – CSIC scientific researcher permanent position at the ICN2.

B. Sepulveda is co-author of more than 45 publications including high impact factor international journals (Nature Physics 1, Nano Today 1, Nano Letters 1, ACS Nano 2, Phys. Rev. Lett. 1, Small 1...), gathering more than 1300 citations (H-index 19, ISI). He is the first author of three patents, one of which was extended to Europe, Japan, USA, Canada, and China, and was transferred and under exploitation of the Company Sensia S.L. from Mondragon Cooperative. He has been the PI of one project from the Swedish Research Council, two European “Open Access” projects from the FP7 program, and three Spanish projects. He has been the supervisor of two PhD thesis and several master and undergraduate students, and he is currently supervising two PhD theses. During his scientific career, B. Sepúlveda has acquired a highly multidisciplinary expertise, focused on the development of highly sensitive photonic

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and nanophotonic nanobiosensors, and multifunctional magnetic, photonic and mechanical nanostructures for biomedical and environmental applications.