

Ramón y Cajal

To view a member's profile, click on their name.

[Go back to directory.](#)

[Add to Address Book.](#)



Work Phone: +34 91 497 2769 Work
Email: a.fernandez-dominguez@uam.es
Website: [Click Here](#)

[ANTONIO I. FERNÁNDEZ-DOMÍNGUEZ](#)

Associate Professor [Nanophotonics Group](#)

Work Module 5, Office 510, 5th floor.

Biographical Info

2014-Present Ramón y Cajal Fellow, UAM.

2012-2014 Research Fellow, Imperial College London.

2010-2012 Marie Curie IEF Fellow, Imperial College London.

2009-2010 Research Associate, Imperial College London.

2009 PhD at the UAM.

2004 Physics degree at the UAM.

Honors and Awards

Marie Curie CIG holder (2015-).

Ramón y Cajal Fellow (2014-).

Marie Curie IEF Fellow (2010-2012).

Premio Extraordinario de Doctorado (UAM, 2009).

Research Interests

Plasmonics.

Nano-Optics.

Metamaterials.

Relevant/Recent Publications

Unrelenting Plasmons, *Nature Phot.* 11, 8 (2017). [\[URL\]](#)

Transformation Optics Approach to Plasmon-Exciton Strong Coupling in Nanocavities, *Phys. Rev. Lett.* 117, 107401, (2016). [\[URL\]](#)

Coherent Four-Fold Super-Resolution Imaging with Composite Photonic–Plasmonic Structured Illumination, *ACS Photonics* 2, 341 (2015). [\[URL\]](#)

Capturing Photons with Transformation Optics, *Nature Physics* 9, 518 (2013). [\[URL\]](#)

Electron-Energy Loss Study of Nonlocal Effects in Connected Plasmonic Nanoprisms, ACS Nano 7, 6287 (2013). [\[URL\]](#)

Transformation Optics Description of Nonlocal Effects in Plasmonic Nanostructures, Physical Review Letters 108, 106802 (2012). [\[URL\]](#)

Probing the Ultimate Limits of Plasmonic Enhancement, Science 337, 1072 (2012). [\[URL\]](#)

Theory of Three-Dimensional Nanocrescent Light Harvesters, Nano Letters 12, 5946 (2012). [\[URL\]](#)

Plasmonic nanoantennas: Fundamentals and their use in controlling the radiative properties of nanoemitters, Chemical Reviews 111, 3888-391 (2011). [\[URL\]](#)

Collection and Concentration of Light by Touching Spheres: A Transformation Optics Approach, Physical Review Letters 105, 266807 (2010). [\[URL\]](#)

Highly confined guiding of Spoof Terahertz Surface-Plasmon Polaritons on structured metal surfaces, Nature Photonics 2, 175 (2008). [\[URL\]](#)

[Add to Address Book.](#) **UPDATED 2 DAYS AGO.**

