



# Postdoc Position



## 12-months Postdoc

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<b>Project:</b>	<b>“Local Structural and Chemical Studies of Graphene and Related 2D Nanomaterials”</b>
<b>Location:</b>	<b>Instituto de Nanociencia y Materiales de Aragón (INMA), CSIC-Universidad de Zaragoza, Zaragoza (Spain)</b>
<b>Contact:</b>	<b>Raul ARENAL (arenal@unizar.es)</b>

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We are seeking for a highly motivated postdoctoral candidate. The candidate will explore the atomic structure and configuration of graphene-based and related (including hybrid) 2D nanomaterials. Those works will be developed via different TEM techniques (atomic resolution HR(S)TEM and EELS) using aberration-corrected TEMs, as well as via other FIB, SEM, Raman and XPS techniques.

The Institute of Nanoscience and Materials of Aragón (INMA), is an interdisciplinary research institute CSIC-U. of Zaragoza and is devoted to R+D in Nanoscience and Nanotechnology. INMA hosts the Laboratory of Advanced Microscopies (LMA)-U. Zaragoza, a Spanish National Facility, which represents a unique initiative, both national and internationally to gather the most advanced existing equipment and infrastructures in local probe and electron microscopy. The LMA hosts a large number of laboratories dedicated to materials synthesis and characterization, including XRD, XPS (2 spectrometers), Auger and Raman spectroscopy, AFM, MFM, STM, macroscopic characterization (magnetization, transport), 4 TEM (including 2 aberration-corrected TEMs, one monochromated), 3 FIB (including Cryo-FIB) and SEM (including 1 environmental one).

Candidates should hold a PhD in Physics, Chemistry, Materials Science or other related areas. Previous experience in TEM (HR(S)TEM, EELS, tomography) is required and a background in carbon-based nanostructures, as well as a knowledge in XPS, SEM or FIB would be appreciated.

The duration of the position is 12 months, starting February 2022.

Interested candidates should send a CV (including a list of publications), a letter of motivation and the names of 2-3 references to [arenal@unizar.es](mailto:arenal@unizar.es)

Please, send the applications not later than **November 11<sup>th</sup>**.

<http://raularenal.com/>