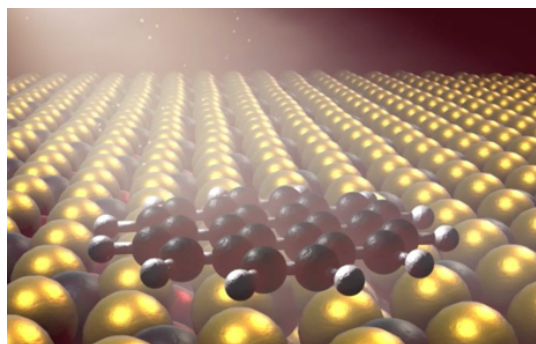
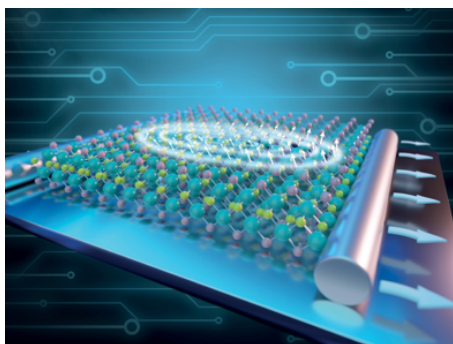


## Post-doc Position at the 2D Smart Materials Lab

We are looking for an outstanding and highly motivated postdoctoral candidate in the field of **theoretical magnetism** and **spin dynamics simulations**. The successful candidate will work for the ERC Starting Grant 2D-SMARTiES, being part of the 2D Smart Materials Lab at the Institute of Molecular Science (ICMol) of the University of València, which is a multidisciplinary research institute committed with excellence.

**Project Description:** The mission of 2D-SMARTiES is to open a new field of research: Molecular 2D Magnonics. In particular, we aim to develop a general computational methodology as a driving force to create new materials. These materials are formed by smart molecules, that can interact with external stimuli such as light, deposited on the surface of a 2D magnetic system for applications in magnonics.



### Requirements and Expertise:

- Applicants must have a **PhD in Condensed Matter Physics** or equivalent
- A strong background and interest on **theoretical magnetism, spin hamiltonians, spin dynamics** and their **simulation**.
- Practical knowledge in **programming** and electronic structure codes.
- Strong oral and written communication skills in English.

**How to apply?** Applications should be addressed to José J. Baldoví and sent in **one single PDF** document via e-mail ([j.jaime.baldovi@uv.es](mailto:j.jaime.baldovi@uv.es)). This file should include a motivation letter, CV, list of publications, and contact details of references. We will consider applications until the November 15<sup>th</sup>. Selected candidates will be interviewed online between November-December 2023.