

Nanotechnology Group

Predoctoral Research Fellowship in Nanoelectronics and 2D-materials

Nanotechnology group in the Department of Physics of the University of Salamanca (USAL) is seeking applicants for a Ph.D. research fellowship. Our current work has a major emphasis on developing novel routes towards fully 2-dimensional-based systems on applied condensed matter. We employ several experimental methodologies (i.e. low-temperature magnetotransport, THz emission and detection and non-linear optics) with a common stem in clean-room-based work and (quasi) two-dimensional materials.

Please contact Dr. Enrique Diez (enrisa@usal.es) for further details.

1. Application must be received before the internal deadline: **September 10th 2019**.
2. The applicant must hold a **Masters Degree** in Physics or Materials Science.
3. **The applicant should preferably be a citizen of a EEAS/EU country or possess a visa/ permit to work in Spain.**
4. Although not mandatory, experience in Nanotechnology research on two dimensional materials and in a clean-room environment will be valued. In particular, experience in some of these techniques will be appreciated: low-temperature characterization, Micro Raman spectroscopy, RIE/ICP, electron beam lithography and electron beam deposition

Duration

Duration of the contract is up to **4 years** or 3+1 Postdoctoral Research Associate if applicable commencing on or about **early-2020**.

Salary and Training

The predoctoral fellowship will be funded with a maximum **gross salary** of **16200 € per annum** (yrs 1 & 2) and **18500 € per annum** (yrs 3 & 4) while the PDRA 4th year will received a maximum gross salary of **23000 €**

In addition, selected candidates will receive internal funds to develop their own research tasks including travel allowance for meetings and conferences. Furthermore, candidates will have access to a wide offer of training activities in nanotechnology, semiconductor characterization and low-temperatures technologies such as seminars, specific training sessions, etc. They will be provided with the required conditions to develop their research projects with autonomy and within a stimulating environment.

The Nanotechnology group (<http://nanotech.usal.es/>) will provide all the facilities and experience that will be used by the researcher in the same conditions than any of the members of the permanent staff.