



Postdoctoral Research Associateship

NanoTECH group, Salamanca University

Broken-symmetry on 2D materials

About us

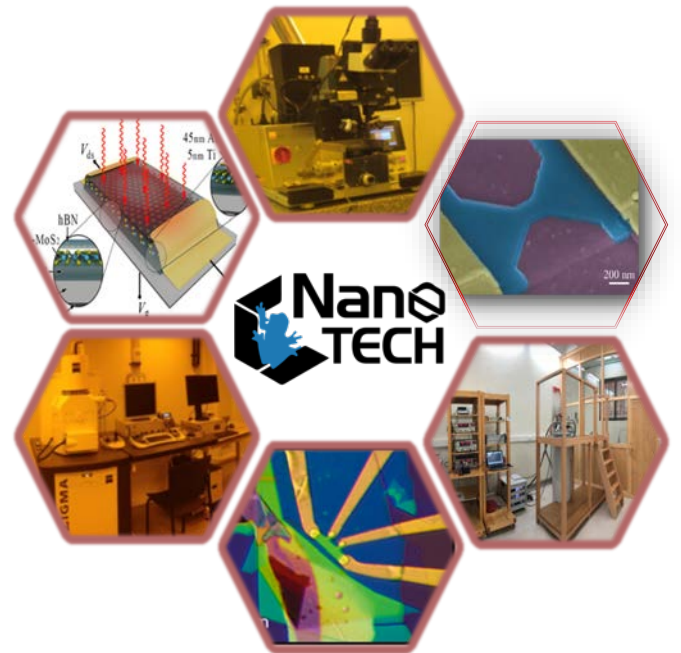
NanoTECH is a multidisciplinary group made up of researchers from different departments of Salamanca University: applied physics, fundamental physics and chemistry-physics. Our current work has a major emphasis on developing novel low-dimensional systems for fundamental physics. We employ several experimental methodologies (i.e. low-temperature magnetotransport, photocurrent spectroscopy, THz emission and detection) with a common stem in clean-room-based work and two-dimensional materials. We are looking for scientist with good background in 2D materials, semiconductor physics and optics that can integrate and strengthen the level of our group. Previous experience in twisted layers of 2D materials is particularly welcome.

Salary & benefits

The position is tenable for two years, commencing on February 1st, 2021 with a gross salary of 2530 € pcm. Postdoctoral research associates receive health insurance and internal funds to develop their own research tasks including travel allowance. PDRAs will complete their formation on the required setups to carry on the proposed investigation. They will be provided with the required conditions to develop their own research projects with autonomy and within a stimulating environment. The Nanotechnology group will provide all the facilities and experience that is needed for the proposed investigation.

Eligibility

Applications are invited from highly qualified young scientists with proven track record. Candidates must have a PhD degree in physics, semiconductors physics, material science and related fields. Candidates should have a strong background working with 2D-like materials and in a clean room facility. Candidates should be proficient in spoken and written English and must have a hands-on personality, with experience in design and assembly of experimental setups



How to Apply

Interested candidates should contact the following responsible for administrative guidance and interview:



Prof. Enrique Diez



enrisa@usal.es



+34 670 581 543

The deadline is December 17th, 2020, but applications will be considered until the position is filled. Informal queries may be directly addressed to Prof. E. Diez

Deadline : December 17th, 2020

<http://nanotech.usal.es>

Nanotechnology group, Salamanca University

Plaza de la Merced, s/n, Edificio trilingue, Salamanca, Spain



Postdoctoral Research Fellowship

NanoTECH group, Salamanca University

Development of terahertz detectors/emitters using 2d materials

About us

NanoTECH is a multidisciplinary group which include investigators from different departments of Salamanca University: applied physics, fundamental physics, and chemistry-physics departments. Our current work is mainly focused on developing novel fully 2-dimensional-based systems for fundamental physics and for real-word applications. We employ several experimental methodologies (i.e. THz emission and detection, non-linear optics and low-temperature measurements,) with a common stem in clean-room-based work and two-dimensional materials. We are looking to strength our terahertz field investigation line with a new post-doctoral fellow. A candidate with technical skills in terahertz technology field (THz detection and emission experiments and/or THz Time Domain Spectroscopy) and/or in electrical characterization of semiconductor devices is sought. Additionally, the candidate must have a good background in semiconductor physics and optics to integrate and strengthen the level of our group.

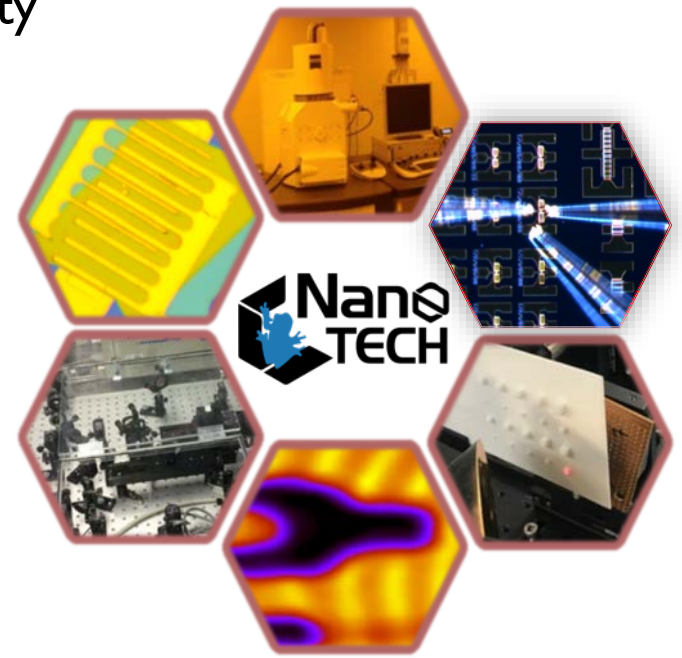
Salary & benefits

The position is for two years with starting date on February 1st, 2021. The gross salary is 2530 € pcm. In addition, the fellow will receive health insurance and internal funds to develop their own research tasks including travel allowance. Fellows will complete his/her formation on the required setups like nanotechnology, terahertz imaging and automatization of the setups. They will be provided with the required conditions to develop their research projects with autonomy and within a stimulating environment.

The Nanotechnology group will provide all the facilities and experience that is needed for the proposed investigation.

Eligibility

Applications are invited from highly qualified young scientists with proven track record. Candidates must have a PhD degree in Applied Physics (THz, semiconductors, materials, or related fields). The technical skills in terahertz field experimental setups will be highly valued. The candidate should be proficient in spoken and written English and must have a hands-on personality with experience in design and assembly of experimental setups.



How to Apply

Interested candidates should contact the following responsible for the administrative guidance and pre-interview:



Dr. Yahya Moubarak Meziani



meziani@usal.es



+34 677 565 451

The deadline is December 17, 2020, but applications will be considered until the positions are filled. Informal queries may be directly addressed to Dr. Y.M. Meziani

Deadline : December 17, 2020

<http://nanotech.usal.es>

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