

IMDEA Nanociencia. Postdoc positions within “Severo Ochoa” Programme for Centres of Excellence

IMDEA-Nanociencia is recruiting highly motivated individuals to contribute to the next phase of active growth offering research positions (Postdoc) funded by the 'Severo Ochoa' Programme (Grant SEV-2016-0686), whose mission is to develop high quality interdisciplinary research in the frontiers of Nanoscience within our strategic areas.

IMDEA-Nanociencia offers postdoctoral fellowships for researchers with an excellent curriculum who wish to pursue their research career at IMDEA Nano in the framework of at least one of our five strategic areas (**bold**) within the indicated scientific programs (in brackets):

SO.P.1 Organic Nanosystems for Light Harvesting and Energy Conversion

(Molecular Nanoscience and Chemical Synthesis, Time-resolved Optical Spectroscopy)

SO.P.2 Fundamental Properties of 2D Materials

(Transport in 2D Systems, Scanning Probe Microscopies and Surfaces)

SO.P.3 Nanomedicine

(Nanobiosystems, Nanomedicine, Nanostructured Functional Surfaces)

SO.P.4 Nanomagnetism and Critical Raw Materials

(Spin-orbitronics, Rare Earth-free permanent magnets, multifunctional nanomaterials)

SO.P.5 Solid State Quantum Devices for Information Technologies

Application Requirements

- Candidates may be of any nationality. No age restrictions apply.
- Applicants must be able to communicate fluently in English
- Applicants must have their PhD in chemistry, physics, biology, engineering or related discipline completed when the position starts.
- Ability to demonstrate exceptional research accomplishments

- Applications should be sent electronically to jobs.nanociencia@imdea.org.
- The subject of the mail should start with the code of your preferred scientific area followed by your family name and name followed by the scientific topic of your interest, if any:
(**ie. subject: SO.P.1 Smith John Time-resolved Optical Spectroscopy**).

- One compressed file (in PDF format) including the following documents (note the limitations in the number of pages):
 - Motivation letter (max. 1 page),
 - Short curriculum vitae (max. 2 pages including the 5 most relevant papers and invited talks as well as the prizes or other major achievements, etc)
 - Full curriculum vitae.
 - Two recommendation letters
 - Research project proposal (max. 3 pages)

Deadline for applications: November 1st, 2017

Benefits

- We offer a two-year contract with the possibility of renewing for an additional year, if results are satisfactory. Gross salary will be according to standard regulation in Spain at the Madrid Institute for Advanced Studies in Nanoscience (IMDEA Nanociencia). The selected candidate is expected to start in December 2017.
- There is also a moving allowance for those researchers that come from foreign research institutions (to be reimbursed partially in the case that the stay is less than one year at IMDEA Nanociencia).

Eligibility and Evaluation Criteria¹

- At the time of recruitment eligible candidates must comply with the definition of Experienced Researcher (ER), that is, more than four years of experience in research in and with a doctoral degree.
- The individual evaluation of the applications will be accomplished on the basis of three criteria:
 - **Scientific Excellence (60%).** Curriculum Vitae of the candidate, including publications and participation in research projects, originality, interdisciplinary of the research project proposal and quality of the motivation letter detailing the research interests will be evaluated.
 - **Expected Impact (25%).** Expected impact over the applicant's future career, over the research carried out at IMDEA Nanociencia, as well as the potential applicability of the results will be evaluated.
 - **Implementation (15%).** Feasibility of the expected research, appropriateness of the schedule, and adequacy of the existing infrastructure at IMDEA Nanociencia to carry out the research of the proposal will be considered.

Evaluation and Selection Procedure

- Applicants will receive an automatic response as acknowledgement of receipt of their application.
- Applications which fail the eligibility check will be informed of their ineligibility.
- Applications which are deemed to be eligible will receive confirmation that they have passed the eligibility check and are under evaluation.
- The SO IMDEA-Nano Scientific Committee will evaluate the applications. The Committee is composed by six scientific experts (the Scientific Director and the responsible of each of the five SO strategic areas), three Deputy Directors, and chaired by the Director of the Institute.
- If required, appropriate external referees for each individual proposal will be selected in order to advise on the quality of the applicants based on CV and the research project proposal.
- On the basis of the referee reports, the SO IMDEA-Nano Scientific Committee will decide on whether the candidate is promoted to the second evaluation phase, a video interview, will provide the final ranking of applications.
- Funded applications will be identified at this point and published on the IMDEA-Nanociencia web page.

¹ IMDEA Nanociencia is signatory of the "European Charter for Researchers and Code of Conduct for their Recruitment" and strongly committed to implement their requirements.