

## IMDEA Nanociencia Recruitment Call 2019

IMDEA-Nanociencia is recruiting highly motivated individuals to reinforce and consolidate the specific activities of different research lines. Applications are invited to be submitted with the following profiles:

### Research Scientists<sup>1</sup> in

**Molecular Nanoelectronics. Ref. 2019101**

*Advanced technological development for molecular electronics*

**Quantum Devices for information Technologies. Ref. 2019102**

*Random Number Generators and Physically Clonable Functions*

### PostDocs<sup>2</sup> in

**Coordination Chemistry. Ref. 2019201**

*Metal-based systems for nanomedicine in cancer research*

**Chemistry & Magnetism Ref. 2019202**

*Advanced technological development of permanent magnet nanoparticles and nanostructured films*

**2D Materials. Ref. 2019203**

*Theoretical modelling of the 2D systems*

### PhD students<sup>3</sup> in

**Time-resolved X-ray Spectroscopy. Ref. 2019301**

*Advanced spectroscopic tools for catalysis.*

**Physical Chemistry. Ref. 2019302**

*Engineering carrier dynamics in Quantum dot solar cells*

**Physical Chemistry. Ref. 2019303**

*Transient absorption spectroscopy in organic small molecules for energy applications*

### Research Staff<sup>4</sup> for

**AFM Service Ref. 2019401**

*Experienced researcher staff in atomic force microscopy*

### Technician<sup>5</sup>

**Electronic Service Ref. 2018501**

### Specific Applicant requirements:

1. Research Scientist: More than four years postdoctoral experience in the specific topic.
2. PostDoc: PhD in chemistry, physics, biology, engineering or related discipline completed when the position starts. Ability to demonstrate exceptional research accomplishments
3. PhD: Master degree courses in chemistry, physics, biology, engineering or related discipline completed in the 2017-2018
4. Research staff: More than three years technical experience in similar position.
5. Technician: Technician or Superior Technician degree, in the framework of professional training

### General Application Requirements

- 1 Applications should be sent electronically to [jobs.nanociencia@imdea.org](mailto:jobs.nanociencia@imdea.org).
- 2 The subject of the mail should start with the Ref. followed by your family name and name:  
(ie. **subject: Ref. 2019001 Smith John**).
- 3 One compressed file (in PDF format) including the following documents:
  - 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.)
  - For the Research Scientist, Postdoc and Research Staff position, names and contact details of at least two Referees.

**Deadline for applications: 14th February, 2019**

### Benefits

We offer a unique opportunity to the applicants to work in a true multidisciplinary scientific environment facing fundamental societal challenges, if results are satisfactory. Gross salary will be according to standard regulation in Spain at IMDEA Nanociencia.

### Eligibility and Evaluation Criteria

- Applicants must have the academic conditions and / or the specific requirements for the different profiles at the time of recruitment.
- The individual evaluation of the applications for Research Scientist (1) will be accomplished on the basis of three criteria:
  - **Scientific Excellence (70%)**. Curriculum Vitae of the candidate, including publications and participation in research projects, and quality of the motivation letter detailing the research interests will be evaluated.
  - **Expected Impact (15%)**. 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 research interests detailed in the motivation letter and adequacy of the existing infrastructure at IMDEA Nanociencia to carry out the research of the proposal will be considered.

- The individual evaluation of the applications for Postdoc (2), and PhD (3) will be accomplished on the basis of two criteria:
  - **Curriculum Vitae of the candidate** (70%): Academic results, which include the academic transcripts, and research experience, including publications and participation in research projects, will be evaluated.
  - **Quality of the motivation letter** detailing the research interests (30%).
- The individual evaluation of the applications for Research Staff (4) and Technician (5) will be accomplished on the basis of two criteria:
  - **Technical experience** (70%). Transferable skills and experience in both academy and industry sectors will be regarded as valuable contributions.
  - **Quality of the motivation letter** detailing the research interests (30%).

#### **Evaluation and Selection Procedure**

- 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 IMDEA Nanociencia Scientific Committee will evaluate the applications. The Committee is composed by four scientific experts (the three Deputy Directors 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.
- Funded applications will be identified at this point and published on the IMDEA-Nanociencia
- Unsuccessful applicants with a score equal to or greater than 70 will be part of the substitute pool for the purpose of possible substitution, if the selected candidate resigns at any time during the term of the contract, or incorporation.