

## DIPC PhD STUDENT GRANTS

The Donostia International Physics Center DIPC is currently accepting applications for PhD students. This is a unique opportunity for highly motivated students, recently graduated from the University in physics or related fields, to develop a research career joining some of the DIPC high-profile research teams.

Financial support will be provided through an employment contract with the DIPC for a duration of up to 3 years, associated with the European grant ERC-STG-635919-SURFINK.

Interested candidates please send an updated CV including an academic transcript with the obtained marks, a brief statement of interest, and contact information to [phd@dipc.org](mailto:phd@dipc.org). Reference letters are welcome but not indispensable. The particular PhD position(s) to which the candidate is applying should be stated as well.

**Applicants are advised to hold, or be in the final year of a master's degree in physics, chemistry or material science.**

Next review of applications is scheduled for April 20<sup>th</sup> 2018. Applications will be evaluated by a Committee designed by the DIPC board on the basis of the following criteria (with point weights indicated in parentheses):

- CV of the candidate (60%)
- Adequacy of the candidate's scientific background to the project (20%)
- Statement of interest and reference letters (10%)
- Others: Diversity in gender, race, nationality, etc. (10%)

Evaluation results will be communicated to the candidates soon after. Positions will only be filled if qualified candidates are found.

The DIPC could revoke its decision in case the candidate breaches the condition of joining before the deadline indicated in this call, proceeding in that case to grant the position to the next candidate based on the classification order, and provided that he has obtained a score higher than 50 (out of 100) in the evaluation of his candidature.

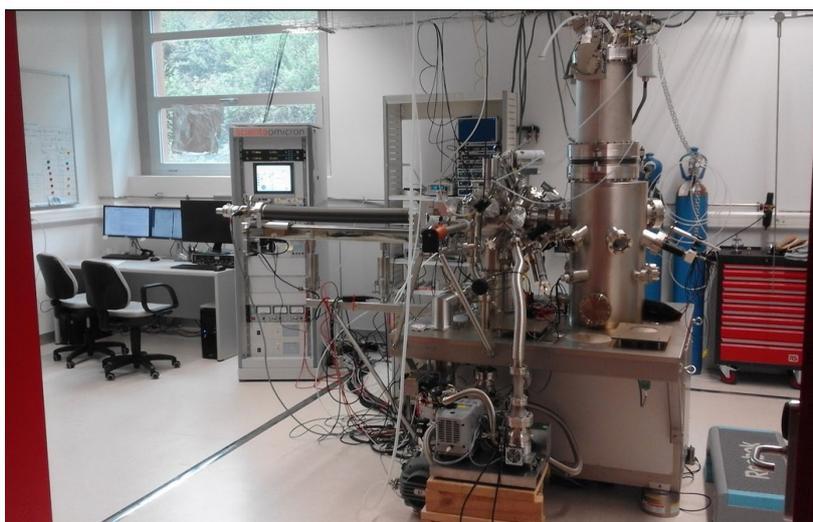
However, the selected candidate may keep the position if, in the opinion of the Evaluation Committee, he duly justifies the reasons why he can't join before the specified deadline, and as long as the project allows it.

## PhD OPENINGS

### **- Functional materials synthesized by surface-supported chemistry under vacuum**

Contact person: D. G. de Oteyza ([d\\_g\\_oteyza@ehu.eus](mailto:d_g_oteyza@ehu.eus)). Reference: 2018/12

We are looking for one PhD student to work on the synthesis and characterization of functional materials synthesized on surfaces under ultra-high vacuum. Starting from appropriate molecular precursors, their deposition and subsequent reaction will be characterized at the single molecule level by low-temperature scanning probe microscopy and spectroscopy. Further insight will be obtained from complementary ensemble measurements like electron spectroscopies (photoemission or X-ray absorption) performed with laboratory and synchrotron light sources.



The final products aimed for include graphene nanoribbons, donor-acceptor networks and porous organic frameworks. However, along the way the idea is to contribute to the development of the currently still scarcely equipped on-surface chemistry toolbox by identifying new chemical reactions, substrates, optimized reaction conditions and their combination strategies.

Candidates should be motivated researchers with good communication skills and English knowledge. Experience in related topics (scanning probe microscopy, electron spectroscopies, ultra-high-vacuum, low-temperature, surface science, self-assembly, surface-supported synthesis, etc) is welcome and will be valued, but not a requisite.

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