Donostia International Physics Center

DIPC UNDERGRADUATE STUDENT GRANTS

The Donostia International Physics Center DIPC is currently accepting applications for undergraduate students. Candidates must be highly motivated students in the final years of a University degree in physics, chemistry or related fields. This is a unique opportunity for them to have their first research experience within a high-profile scientific environment.

The grant runs for 3 months only. 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 . Reference letters are welcome but not mandatory. The particular undergraduate position to which the candidate is applying should be stated as well. Although candidates are encouraged to contact the project supervisors to know further details about the proposed research activities, please be aware that the application will be evaluated only if it is submitted by email to phd@dipc.org .

Deadline for applications submission is April 27th, 2012. 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.

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OPENING FOR UNDERGRADUATES

- Theoretical studies on the interaction dynamics between metal surfaces and light atoms

Undergraduate position, contact person: María Blanco (maria_blancorey@ehu.es)
Reference: 2012/1.

The development of heterogeneous catalysis relies on the understanding of the interaction between the reactants and the catalyst, which is typically a transition metal surface. The student will have the chance to perform state-of-the-art calculations using Density Functional Theory and molecular dynamics codes, paying special attention to the effect of lattice vibrations on the dynamics. Model systems will include palladium and silver surfaces, interacting with hydrogen and nitrogen.