



CALL FOR APPLICATIONS - July 2022

PhD Position

Donostia International Physics Center (DIPC) is currently accepting applications for PhD positions. This is a unique opportunity for highly motivated students, recently graduated from the university in Physics or related fields, to join one of DIPC's high-profile research teams. A description of each of the available openings, contact information and deadlines can be found on the following pages.

Although candidates are welcome to contact the project supervisors to know further details about the proposed research activity, please be aware that the application will be evaluated only if it is submitted directly to the email address listed as "application email".

Applications received by the deadline will be evaluated by a Committee designed by the DIPC board on the basis of the following criteria:

- CV of the candidate (40%)
- Adequacy of the candidate's scientific background to the project (40%)
- Reference letters (10%)
- Other: 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 may revoke its decision if the candidate fails to join by the appointed time, in which case the position will be awarded to the candidate with the next highest score, provided it is above 50 (out of 100).

However, the selected candidate may keep the position if, in the opinion of the Selection Committee, the candidate duly justifies the reasons why he or she cannot join before the specified deadline, and as long as the project allows it.

Ref. 2022/50
Nonlinear Optical Property Assessment

Supervisor(s):

Eduard Matito (ematito@gmail.com)
Frédéric Castet (frederic.castet@u-bordeaux.fr)

Duration*: 1 year

Application Deadline: 21/07/2022

Application Email: jobs.research@dipc.org

We look for a candidate with experience on quantum chemistry packages and the calculation of linear and nonlinear responses, from both coupled-perturbed Hartree-Fock equations and energy derivatives obtained from finite differences. They should be familiar with linear response equations, energy and nonlinear optical property orbital and real-space decompositions.

Interested candidates should submit an updated CV and a brief statement of interest to the application email listed above. Reference letters are welcome but not indispensable. The reference of the specific opening to which the candidate is applying should also be stated in the subject line.

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