



CALL FOR APPLICATIONS - September 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.

Openings with a duration of more than one year are for a 1-year contract, renewable based on performance and availability of funding.

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. 2022/57

Metal catalysis for the chemical modification of proteins in living cells

Supervisor(s):

Raphael de Paiva (raphael.enoque@gmail.com)

Duration*: 3 years

Application Deadline: 30/09/2022

Application Email: jobs.research@dipc.org

Are you interested in working as part of a collaborative team to carry out cross-disciplinary research at the interface of metal (photo)catalysis, medicinal chemistry, and protein biochemistry?

This role is ideal for someone interested in developing new metal catalysts for the chemical modification of proteins, and studying their mechanism of action in vitro and in cellulo using a combination of cutting edge spectroscopic and biophysical techniques. This position is funded by “La Caixa” Foundation, La Caixa Junior Leader Fellowship.

This project will lead into exciting new tools that can be applied in the wider field of chemical biology and medicine.

You should provide evidence in your application that you meet the following criteria.:

Essential

Experience in the synthesis, purification, and characterization of coordination compounds (including NMR, MS, optical spectroscopy).

Ability to manage your own independent original research project, including critical analysis and problem solving.

Ability and willingness to work in a collaborative, cross-disciplinary research environment.

Desirable skills:

- Experience with NMR and / or MS-based proteomics or experience with structural elucidation of metallodrug/target biomolecule adducts;
- Experience in homogeneous catalysis;
- Experience in photophysics and photochemistry of metal complexes;
- MSc in the field of inorganic / bioinorganic chemistry.

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.

This project has received funding from the La Caixa Junior Leader Fellowship

