



CALL FOR APPLICATIONS - October 2022

Research Assistant Position

Donostia International Physics Center (DIPC) is currently accepting applications for Research Assistant positions. This is a unique opportunity for highly motivated students, recently graduated from the University in Physics or related fields, to gain research experience in 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 (60%)
- Adequacy of the candidate's background to the project (20%)
- 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. 2022/58
Modelling Tidal Fields and Intrinsic Alignments in Cosmology

Supervisor(s):
Raul Angulo (reangulo@gmail.com)

Duration*: 1 year

Application Deadline: 05/10/2022

Application Email: jobs.research@dipc.org

The applicant will develop computer simulations of the formation and evolution of nonlinear structure of the Universe. Specifically, the goal will be to create and analyse simulations that mimic a large-scale tidal field to study its role in the formation of dark matter halos and in setting their internal properties.

The results will then be applied to develop advanced models for the alignment in the shape of observed galaxies, which could lead to a more accurate modelling of the gravitational lensing and the derived cosmological constraints.

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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