



Fundación Torres Gutiérrez
Córdoba (España)
CIF: G14220990

CALL FOR RESEARCH PROJECTS 2021 TYPE “FRONTIERS OF SCIENCE” GENERAL BASES OF THE CALL

Purpose

The “Frontiers of Science” call aims to contribute to those researchers who develop research projects in the University of Córdoba or its investee or affiliated Centers and proposing innovative or high risky ideas that allow them competing for a major project or starting an independent career.

Economic and thematic resources

Scientific Projects will be granted in a public call of international scope, although the selection criteria acknowledge preference to regional Andalusian researchers (Community of Andalusia).

According to the foundational object, the subject of the work on this call must be elucidation of the regulatory molecular mechanisms of the *Verticillium dahliae*-Acebuche (*Olea sylvestris*) interaction and biotechnological applications, Molecular mechanisms for efficient molybdenum homeostasis in the green alga *Chlamydomonas reinhardtii*, Use of microorganisms in the removal of plastics from the agroalimentary industry, and Improvement of the nitrogen-fixing capacity of the bean by indeterminacy of the root nodule.

The grant is awarded to be executed from January 2022 up to December 2024.

Eligibility: Applicant requirements and selection criteria

Candidates who express their interest in participating in this call must:

- The Principal Investigator (PI) must belong to a PAIDI group of the University of Córdoba (UCO), in the case two PI, at least one of them must comply with this requirement.
- The PI must have got his/her PhD at the UCO on a subject of plant biochemistry or molecular biology.
- Having stayed at least for two years (three if there are two PI and, both of them, must have been in foreign centers) in a research centre or laboratory of a university better ranked than the UCO in the Shanghai Ranking. If it is a non-university research centre, the Web of Metrics ranking will be used, and the centre should have a better position than the UCO.

The selection will be made according to the following criteria:

- Stays in foreign centres meeting the requirements: 1 point per year, maximum 2 points.
- International cooperation: up to 1 point.
- Scientific-technical report of the project: up to 3 points.
- Interdisciplinary cooperation and between groups: up to 2 points.

- PI qualification: the h-index and fellowships and contracts obtained in competitive calls from public and private entities such as FPU, FPI, and FPDel, MEC mobility, Juan de la Cierva, Torres Quevedo, Sara Borrel, Fullbright, Humboldt, Newton International, Marie Curie, EMBO, Ramón y Cajal, Miguel Servet, and similar ones: up to 3 points.
- Social benefits of the project: up to 1 point.

Application documents

Applicants must submit, in Spanish or English, the following documentation:

- Photocopy of the current National Identity Document of the PI.
- Project report, with an extension between 1500 and 200 words, which must include title, background, hypothesis, work plan and bibliography.
- Tentative economic report on necessary consumable (maximum one page with normal letter, spacing and margins).
- Social benefits (maximum one page with normal type as above).
- Justification for complying with all the requirements and commitments to deliver a report (1 000-1 200 words), no later than January 2021, on the use of the grant and the results obtained, which must have the specific support of the head of the PAIDI group. In the case of failure to comply with this, the applicant's PAIDI group will be excluded from the next calls.

Way and deadline to submit applications

The submission of applications may be made through the following channels:

- In person, delivering it to Ines Molina Moreno, Severo Ochoa Building, Rabanales Campus, 14014 Córdoba.
- Through the following email: contacto@fundaciontorresgutierrez.es.
- At the Post Office, to the attention of Inés Molina Moreno, Edificio Severo Ochoa, 1ª Planta, Campus de Rabanales, 14014 Córdoba.

The deadline for submitting applications will be 7 calendar days from the public announcement of the call (19th July 2021).

Competent bodies and selection of candidates

Once the deadline for receiving applications has ended, the Board of Trustees of the Foundation will be in charge of the selection of projects based on the compliance with the requirements of these bases and the indicated criteria. The evaluation will be carried out by pairs, avoiding conflict of interest situations. The board may request an evaluation from external experts.

Incompatibilities, credit and deposit

The same PI cannot be granted with more than one project in the same call.

These grants will be incompatible with others that may be granted by the UCO or any other public or private institution.

Those granted researchers must communicate the account where the amount granted must be deposited, preferably one of the UCO (or Expenditure Unit) or its investee or affiliated Centers. If there are two PI, two accounts may be indicated as well as an agreement signed by both of them indicating the amount to be transferred to each account or expenditure unit.