

Fundação Gaspar Frutuoso, FP

NOTICE

INV DOUTORADO 2020 - UIDP/00329/2020 - 015/CTI/2020

Summary of the notice

By order of the President of the Board of Directors of the Gaspar Frutuoso Foundation of 20/10/2020 by delegation of competences, it was authorized the international selection call for 1 (one) junior doctoral post-doc for the exercise of scientific research activities in the field of Biology, under an uncertain term contract under the Labor Code, to exercise research functions, within the scope of the Research Program Contract for the Center for Ecology, Evolution and Environmental Changes (cE3c), through programmatic funding, Refª UIDP/00329/2020, approved by the Foundation for Science and Technology, I.P. through funds exclusively from the State Budget. The workplace is in the Azorean Biodiversity Group - Center for Ecology, Evolution and Environmental Changes), located at the Angra do Heroísmo Campus of the University of the Azores, 9700-042 Angra do Heroísmo, Azores, Portugal. The monthly remuneration to be attributed is that provided for in paragraph a) of paragraph 1 of article 15 of the RJE, corresponding to level 33 of the single remuneration table, approved by Administrative Rule no. 1553-C / 2008, December 31, update by the Law-decree nº10-B/2020, March 23rd with the payment of 2.341,30 euros gross.

Text of the notice

1. By order of the President of the Board of Directors of the Gaspar Frutuoso Foundation of 20/10/2020, by delegation of competences, it was authorized the international selection call for 1 (one) junior doctoral post-doc for the exercise of scientific research activities in the field of Biology, under an uncertain term contract under the Labor Code, to exercise research functions, within the scope of the Research Program Contract for the Center for Ecology, Evolution and Environmental Changes (cE3c), through programmatic funding, Refª UIDP/00329/2020, approved by the Foundation for Science and Technology, I.P. through funds exclusively from the State Budget.

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2. Applicable legislation: Under Decree No. 57/2016, of August 29, amended by Law 57/2017, of July 19, approving a system of contracting doctorates to stimulate scientific and technological employment in all areas of knowledge (RJEC), and Labor Code, approved by Law no. 7/2009, of February 12, in its current version.
3. The jury of the contest has the following composition: President of the Jury Dr. Paulo Alexandre Vieira Borges, Assistant Professor with Aggregation, Researcher responsible for the project; Effective members: Dr. David João Horta Lopes, Assistant Professor with Aggregation and member of the project team, who will replace the President in her absences and impediments and Dr. Rui Miguel Pires Bento da Silva Elias, Assistant Professor, member of the project team; Deputy members: Dr. António Onofre Soares, member of the project team and Dr. Artur Gil, member of the project team.
4. Place of work: GBA-cE3c (Azorean Biodiversity Group – Center for Ecology, Evolution and Environmental Changes), located at Campus Universitário de Angra do Heroísmo, 9700-042 Angra do Heroísmo, Terceira, Azores, Portugal.
5. The monthly remuneration to be attributed is that provided for in item a) of paragraph 1 of article 15 of the RJEC, corresponding to level 33 of the single remuneration table, approved by Administrative Rule no. 1553-C / 2008, December 31, update by the Law-decree nº10-B/2020, March 23rd with the payment of 2.341,30 euros gross.
6. Applicants may be national, foreign, and stateless candidates who are holders of a doctoral degree in areas related to Quantitative Ecology and Macroecology and holders of a curriculum vitae scientific and professional that reveals an adequate profile to the activity to be developed. If the doctorate has been awarded by a foreign higher education institution, it must comply with the provisions of Decree-Law no. 66/2018, of August 16.
7. General requirements for admission to call are:
 - Doctoral degree in areas related to Biological Sciences and more specifically on Quantitative Ecology, Macroecology, and related areas.
 - A good list of publications in the areas of Macroecology, with preference to Spatial Ecology and Functional Ecology.
 - Experience in the topic of biogeographical theory, in particular linking species distributions to their abiotic and biotic niches at multiple scales.

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- Experience in assessing responses of different biodiversity facets to current and future climatic conditions.
- Experience in developing research analyses with large ecological and environmental datasets.
- Experience in one or more scripting language for data manipulation (e.g., R, Python).
- Excellent English communication skills (both verbal and written).

8. The selection of the doctoral candidate to be hired will be carried out by the evaluation of the scientific and curricular trajectory of the candidates. This evaluation will focus on the relevance, quality and timeliness of: a) the scientific and technological production of the last five years considered more relevant by the candidate and associated with the thematic area of the call; b) the research activities carried out in the last five years considered as having the greatest impact by the candidate and associated with the thematic area of the call; c) involvement in activities of extension and dissemination of knowledge, promoting the practice and scientific culture, considered of greater importance by the candidate and related to the position now in call; d) the activities of management of programs and projects of science, technology and innovation.

The period of five years referred above may be increased by the jury, at the request of the candidate, when justified by suspension of scientific activity for socially protected reasons, namely for reasons of parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.

9. The position is described in detail in the following paragraphs:

This position is directed to the execution of research activities in the framework of the Thematic Line 1 of the project “**Developing integrative biodiversity assessments to monitor global change impacts on biodiversity**”, coordinated by Paulo A. V. Borges. Global conservation targets are needed to halt biodiversity loss by 2020 (UN Convention on Biological diversity, CBD, Aichi Target 12; UN Sustainable Development Goal 15), but existing indicators of global biodiversity (Living Planet Index, Red List Index, GEOBON-Species Protection Index) are limited by data availability. It is therefore crucial to both streamline and strengthen resources that will facilitate additional IUCN Red List assessments, to collect more data, and to

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make the existing information available as efficiently as possible (UN CBD Aichi Target 19). The general aims of this project are: i) Follow-up long-term biodiversity monitoring using a multiple-taxa approach; ii) Identify spatially explicit information on threats to biodiversity at different scales; iii) Use an artificial intelligence (AI) framework for Big Data to develop sound indicators of change. Specifically, we will use key native habitats from Mediterranean biodiversity hotspot and Macaronesian islands, to address the relative roles of spatial, historical and ecological processes driving taxonomic (TD), functional (FD) and phylogenetic (PD) diversity patterns; and the utility of TD and FD metrics to track effects of global change and quantify ecosystem services.

10. Selection methods and curricular evaluation criteria:

The evaluation of the candidates will be made based on the integrated evaluation of the scientific and curricular trajectory of the candidate (**CE** with a weight of 90%) and with the accomplishment of an interview (**PE** with a weight of 10%).

10.1 The first component of evaluation will be made based on the CV of the candidate taking into account the following items:

- scientific production in journals with an impact factor – 50% of CE;
- participation in R & D projects, with an appreciation of the% of time allocated to each of them, duly proven – 15% of CE;
- professional experience (35% of CE), considering the execution of activities inherent to the job and their degree of complexity, duly proven. The classification of this parameter is the result of the sum of the points obtained in the following paragraphs:
 - a) Experience in the topic of biogeographical theory, in particular linking species distributions to their abiotic and biotic niches at multiple scales (20 Points).
 - b) Experience in assessing responses of different biodiversity facets to current and future climatic conditions (20 points).
 - c) Experience in developing research analyses with large ecological and environmental datasets (20 points).
 - d) Experience in one or more scripting language for data manipulation (e.g., R, Python) (20 points).

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e) Collaborate in the planning and preparation of project reports and other means of dissemination; preferably with experience in scientific dissemination (20 points).

Candidates who have obtained an assessment of less than 50% in the **CE** will not be included in the procedure and will not be invited to the professional interview.

10.2 - The second component of evaluation is the interview and has a weight of 10%.

11. The final classification system for candidates is expressed on a scale of 0 to 100.

12. The jury shall deliberate by means of a roll-call vote based on the selection criteria adopted and published. Abstention is not allowed.

13. Minutes of the jury meetings are drawn up, containing a summary of what has taken place, as well as the votes cast by each of the members and their reasons, and will be available to candidates whenever requested.

14. After completing the application of the selection criteria, the jury will draw up an ordered list of successful candidates with their classification.

15. The final decision of the jury is approved by the maximum leader of the institution that also has to decide on the hiring.

16. Application formalization:

16.1 - Applications are formalized by means of an application addressed to the President of the Jury, which should include the internal ref (Erareers), full name, affiliation, number and date of identity card or Citizen's Card or civil identification number, fiscal identification number, date and place of birth, marital status, occupation, address and contact address, including e-mail address and telephone contact.

16.2 - The application shall be accompanied by documents proving the conditions set out in points 6 and 7 for admission to this call, namely: a) copy of certificate or diploma; b) PDF copy of the doctoral thesis and publications; c) detailed *curriculum vitae*, structured in accordance

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with items 7 and 8; d) other documents relevant for the evaluation of the qualification in related scientific area; e) brief description of the most relevant scientific activities of the last 5 years (max. 1 page), according to point 10.1 (a-e) of this edict.

16.3 - The candidates present their applications and supporting documents, addressed to the President of the Jury at the email address paulo.av.borges@uac.pt with knowledge to fgf@uac.pt , until the last day of the competition opening deadline, which shall be 22th October to 30th November 2020.

17. Candidates who formalize their application incorrectly or who do not prove the requirements of this call are excluded from admission to the call. The jury has the power to require any candidate, in case of doubt, to present documents proving their statements.

18. Candidates who do not obtain a final mark equal to or greater than 60% will not be admitted to the call because of lack of absolute merit.

19. The false statements made by the candidates will be punished according to the law.

20. The list of admitted and excluded candidates as well as the final classification list are publicized at the Gaspar Frutuoso Foundation, with the selected candidate notified by email with delivery receipt of the notification.

21. Preliminary Hearing and deadline for Final Decision: After publication of the results, the candidates have 10 working days to pronounce. The final decisions of the jury, to be posted at the Fundação Gaspar Frutuoso, FP, will be delivered within 5 working days of the deadline for submitting complaints. Within a period of no more than 90 working days, starting from the deadline for submission of applications, the final decisions of the jury are announced.

22. The present call is exclusively destined to fill the vacancy indicated. It can be stopped until the homologation of the list of final ordering of the candidates and will expire with the respective occupation of the job on offer.

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23. Non-discrimination and equal access policy: The Azorean Biodiversity Group, the University of the Azores and the Gaspar Frutuoso Foundation actively promote a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, impaired or deprived of any right or exempt from any duty due to, *inter alia*, ancestry, age, sex, sexual orientation, marital status, family situation, economic situation, education, origin or social status, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.

24. Under the terms of D.L. No. 29/2001, of February 3, the disabled candidate has a preference in equal classification, which prevails over any other legal preference. Applicants must declare on the application form, under their honorary commitment, the respective degree of disability, the type of disability and the means of communication / expression to be used in the selection process, in accordance with the above-mentioned diploma.

25. Under RU 2016/679 04/27/2016 and of Law nº 67/98 26/10 the personal data collected by the entity are only for recruitment. The personal data collected by the entity by means of this application is intended to assess whether candidates are suitable for the place requested and for the preliminary calculation of the remuneration, bonuses and perks of the candidates who are admitted to the recruitment. The data entered in the application are essential data in the weighting of the selection of candidates, which may affect the efficiency and the result of the respective application if the candidates do not provide them. The personal data of unsuitable candidates will be retained by the entity for a period of five years for subsequent recruitment. Applications for candidates may be transferred by the entity to its own premises or to the consortium entities, where there are job openings during the abovementioned period. Applicants shall enjoy, in accordance with the law, the rights of access and rectification. For the exercise of the right of access, they must submit a written request to the head of the entity.

Angra do Heroísmo, 21th October 2020

THE PRESIDENT OF JURY

(Paulo A. V. Borges)