

Research Grant (BI) (1 vacancy)

Reference: Speciation_Serv_Gerais_RFaria_BI-Msc_2019-029

A competition is open for the attribution of 1 research grant (BI, MSc) in the framework of the Project **"Speciation: genital divergence and the evolution of reproductive isolation"**, within the R&D Institution CIIMAR (Interdisciplinary Centre of Marine and Environmental Research), according to the following conditions:

1. Scientific area: Biological Sciences, evolution, genetics, molecular ecology

2. Admission requirements

The candidates must hold a MSc in the field of in Biological Sciences or related fields, preferentially in evolution, and work experience genetics and molecular ecology. Specifically, the candidates must have and demonstrate training and/or experience in the following subjects:

- Experience in molecular laboratory work: extractions, PCR and sequencing of large volume of samples, including samples with low DNA content;
- Experience in sampling flat periwinkles in Iberian shores and classification of individuals into species and ecotypes;
- Experience in ecology of flat periwinkles, including mating experiments;
- Experience in the detection of hybrids between flat periwinkles species using genetic and geometric-morphometric tools;
- Fluency (speaking and writing) in English.

The jury reserves the right to close the application in case none of the candidates meets the desired profile.

Whenever the degree is from a foreign institution the candidates should recognize them by a Portuguese higher education institution accordingly to the Decreto-Lei n.º 341/2007, published in Diário da República, 1.ª série, n.º 197, 12 October, until the end of the application date.

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3. Work plan:

The candidate will be involved in sampling of adult snails and egg masses, species identification, detection of hybrids, development of a protocol to extract DNA from egg masses and quantification of hybridization between *Littorina fabalis* and *L. obtusata* using Illumina sequencing.

4. Legislation and official rules:

Law n.º. 40/2004, 18th August (Research Fellowship and Studentship Regulation) amended and republished by [Decreto-Lei n.º 202/2012](#), 27th August; Regulations for Studentships and Fellowships of the Fundação para a Ciência e a Tecnologia, I.P. — 2015 and CIIMAR Grants Regulation approved by FCT.

5. Work place:

The work will be carried out at CIIMAR, Edifício do Terminal de Cruzeiros do Porto de Leixões, Av. General Norton de Matos, s/n, Matosinhos, integrated in the Aquatic Ecology and Evolution Group, under the coordination of Dr. Rui Faria and Dr. Filipe Castro.

6. Duration of the contract:

Duration of one (1) year, starting in July, 2019, under the regime of exclusive dedication.

7. Monthly salary:

The monthly maintenance allowance is € 989,70, in agreement with the monthly maintenance stipend table of the grants directly attributed by FCT, I.P. within the country (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>). Payment will be made monthly by bank transfer. In addition to this allowance, the grantee will be reimbursed for "Seguro Social Voluntario".

8. Selection methods:

The ranking of candidates will be performed by an initial evaluation based on:

- Evaluation of the Curriculum Vitae (EC) -70% (which is eliminatory);

The Evaluation of the Curriculum Vitae will be performed according to the following criteria:

- i. Value of the final MSc classification (BSc) - 20%.
- ii. Demonstrated experience in the tasks mentioned above - 50%
- iii. Published papers/Publication track records in the area are a plus, especially on the scope the project, i.e. flat periwinkles - 20%.
- iv. Motivation letter (ML) – 10%.

The Evaluation of the Curriculum Vitae will be performed according to the following criteria:

$$EC = [20\%(i)+50\%(ii)+20\%(iii)+10\%(iv)]$$

In the second phase and after the sorting of the candidates following CV evaluation, there will be an interview to the maximum of three candidates if they are separated by less than 10% according to the jury criteria. All the factors will be pondered according to the formula:

$$INT = 30\%$$

The final score (CF), expressed in a number from 0 to 20, will weight in the Curriculum Vitae evaluation (70%) and the interview (30%):

$$CF = 70\%EC+30\%INT$$

If the candidates do not show up in the interview they will be withdrawal from the application, being excluded from the competition.

9. Composition of the jury selection:

President of the jury: PhD Rui Faria

Vogal: PhD Filipe Castro

Vogal: PhD Raquel Ruivo

10. Form of Advertising/notification of results:

The final results of the evaluation will be published through a list sorting the candidates according to their attributed mark, on the CIIMAR website and by e-mail;

Cofinanciado por:



After the announcement of the results, candidates are considered automatically notified to, if they wish to do so, comment on the results on a preliminary hearing period within 10 working days after that date, as provided for in the Código do Procedimento Administrativo.

The jury reserves the right to not assign the grant depending on the quality of the applications.

In case of resignation or withdrawal of the selected candidate, the next candidate with the highest evaluation score will be notified immediately.

Based on the final sorted list of the candidates it will be made a reserve list that will be used for the future recruitment of grantees for this project.

11. Deadline for application and presentation of applications:

The competition is open from **June 13th until June 27nd 2019**. The applications must be formalized, compulsorily, by sending the following documents:

- detailed Curriculum vitae with clear specification of i) list of peer reviewed publications, books and/or reports proof the experience in the above-mentioned fields ii) list of the computer skills (software and/or programming languages for simulation and data analysis)
- copy of the eligibility certificates;
- motivation letter;
- one or more reference contact information of current or past supervisors;
- contact e-mail address and phone number;
- indication of the reference of the competition (as indicated in this announcement).
- any other documents that the candidates may recognize as relevant to demonstrate the adequacy to the function

The applications should be sent by e-mail to: mgalvao@ciimar.up.pt and r.macieiradefaria@sheffield.ac.uk. The applications that **do not include all** the elements previously indicated will **not be considered**.