

RESEARCH GRANT (BI) (1 vacancy)

Reference: MarRISK/BI-LIC/2017-039

A competition is open for the attribution of 1 Research Grant in the framework of the **MarRISK - Adaptação costeira face às mudanças climáticas: conhecer os riscos e aumentar a resiliência, com a referência 0262_MARRISK_1_E, financiado pelo Programa EP - INTERREG V A Espanha Portugal (POCTEC), através do Fundo Europeu para o Desenvolvimento Regional (ERDF)**, according to the following conditions:

1. Scientific area: Environmental Sciences

2. Admission requirements

- i) The candidates must hold a degree in Environmental Sciences or related field with classification equal or higher than 15 values (in 20);
- ii) Knowledge on marine microbiome sampling and analysis using genomic and metagenomic tools and NGS techniques;
- iii) Experience in analyzing data generated from NGS tools using bioinformatics pipelines for prokaryotes and unicellular eukaryotes;
- iv) Knowledge in molecular and biogeochemical techniques for environmental microbial analysis and activity measurements;
- v) Experience in validating autonomous systems for biological sampling;
- VI) Participation in Oceanographic campaigns.

3. Work plan:



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The activities to be developed at CIIMAR during the grant period focus on the consolidation of observing series to ensure the follow-up of the evolution of coastal systems. In particular to extend monitoring to key variables like diversity and function of microbial communities based on genomic tools, to assess potential environmental risks and for which there is practically no observation. Sampling campaigns will be performed to collect time series samples in observational networks currently operating in the Euroregion (Observatory RAIA, MeteoGalicia, etc.). Diversity, abundance and functions of microbial communities will be evaluated through the use of genomics and metagenomics tools. The data generated by next generation sequencing will be processed through the use of different bioinformatics platforms for analysis and annotation of the sequences generated.

4. Legislation and official rules:

Law nº. 40/2004, 18th August (Research Fellowship and Studentship Regulation) and amended by Law No. 202/2012, 27th August; FCT Regulation for Research Studentships and Fellowships and CIIMAR Grants Regulation.

5. Work place:

The work will be carried out at CIIMAR, EcoBioTec Group, under the scientific supervision of Dr. Catarina Magalhães.

6. Duration of the grant:

Duration of eleven (11) months, starting October 2017, under the regime of exclusive dedication, eventually renewable according to legal terms.

7. Monthly maintenance stipend:



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The monthly maintenance allowance is €745 (seven hundred and forty five Euros – Tax Free), 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/valores.phtml.en>).

8. Selection methods:

The first ranking of candidates will be performed after a CV evaluation based on:

- The Degree grade plus scientific area: 40%;
- Experience in the research field: 60%.

If necessary an interview will be done to the three top candidates, after which a final ranking will be performed based on:

- CV evaluation: 50%;
- Interview: 50%.

The jury reserves the right to not assign the research grant if none of the candidates meets all requirements and match the desired profile.

9. Composition of the jury selection:

President of the jury: PhD Catarina Magalhães

Vogal: PhD Maria de Fátima Carvalho

Vogal: PhD Ana Paula Mucha

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; in case of disagreement, the candidates have a 10-working day term to contest the decision, if he/she so wishes, as provided for in the Código do Procedimento Administrativo in a preliminary hearing setting.



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Based on the final list, a reserve list will be established, which will be used for the eventual attribution of new research grants under this project.

11. Deadline for application and presentation of applications:

The competition is open from **9th until 20th October 2017**. The applications must be formalized, compulsorily, by sending the following documents:

- detailed Curriculum vitae in English and Portuguese including e-mail address and phone number, and mentioning clearly the academic grades and the relevant research experience;
- copy of the eligibility certificates
- motivation letter
- reference contact information of current and past supervisors
- indication of the reference of the competition (as indicated in this announcement)

The applications must be sent by postal mail to Emília Afonso, CIIMAR – Centro Interdisciplinar de Investigação Marinha e Ambiental, Terminal de Cruzeiros do Porto de Leixões, Av. General Norton de Matos s/n, 4450-208 Matosinhos and simultaneously by e-mail to: secretariado@ciimar.up.pt. The applications that **do not include all** the elements previously indicated will **not be considered**.



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