

RESEARCH GRANT (BI) (1 vacancy)

Reference: SPILLESS/BI-MSc/2017-042

A competition is open for the attribution of 1 Research Grant in the framework of the **Research Project SpilLess - First line response to oil spills based on native microorganisms cooperation (Reference EASME/EMFF/2016/1.2.1.4/010) supported by the Executive Agency for Small and Medium-sized Enterprises (EASME) delegated by the European Commission**, 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 14 values (in 20) and a Master in the field of Environment Sciences or related fields with classification equal to or higher than 17 values (in 20);
- ii) Technical and scientific training on bioremediation, isolation of bacteria with capacity to degrade contaminants and analysis of contaminants;
- iii) Experience in growing, maintaining and preserving bacterial cultures.
- iv) Knowledge in molecular techniques for bacterial identification.
- v) Experience in the development of hands-on activities for project dissemination.

3. Work plan:

The research plan includes the development of efficient bioremediation solutions to tackle maritime pollution, in particular, oil spills. Environmental constraints that can affect the efficiency of petroleum bioremediation will be initially analysed. A bank of georeferenced native microbial consortia with the capacity to degrade petroleum will be created. Microbial consortia will be characterized for their efficiency to degrade petroleum and the involved microorganisms will be identified through molecular techniques. Production of the native microbial consortia with the best capacity to degrade petroleum will be optimized for scale-up purposes, in order to achieve a product formulation to be applied by autonomous vehicles in



environmental marine oils spills. In addition, outreach and hands-on activities will be developed according to the project dissemination plan.

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; Regulations for Studentships and Fellowships of the Fundação para a Ciência e a Tecnologia, I.P. — 2015 and CIIMAR Grants Regulation.

5. Work place:

The work will be carried out at CIIMAR, EcoBioTec Group, under the scientific supervision of Dr. Ana Paula Mucha and Dr. Maria de Fátima Carvalho.

6. Duration of the grant:

Duration of six (6) months, starting November 2017, under the regime of exclusive dedication, eventually renewable according to legal terms, up to 15 months.

7. Monthly maintenance stipend:

The monthly maintenance allowance is €980 (nine hundred and eighty 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 and Master grades plus scientific area: 50%;
- Experience in the research field: 50%.

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%.



9. Composition of the jury selection:

President of the jury: PhD Ana Paula Mucha

Vogal: PhD Maria de Fátima Carvalho

Vogal: PhD Catarina Magalhães

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.

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

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 **18th to 31th 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
- contact e-mail address and phone number
- 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**.

