SELECTION PROCEDURE FOR THE CONTRACTING OF A TECHNICIAN (1 vacancy)

Reference: 2022_034_TS_SIDESTREAM

A competition is open for the attribution of one work contract for the exercise of technical functions within the scope of the Project BLUEBIO/0005/2019 - SIDESTREAM – "Secondary bio-production of low trophic organisms utilizing side streams from the Blue and Green sectors to produce novel feed ingredients for European aquaculture", within the R&D Institution CIIMAR (Interdisciplinary Centre of Marine and Environmental Research), supported by FCT, according to the following conditions:

1. Scientific area: Biological Sciences

2. Admission requirements: The candidate should have a Bachelor degree or integrated Master's degree in the field of in of Biological, Biochemical or Biomedical Sciences, with a final classification of at least 14 values, and meet the requirements of at least three of the paragraphs below:

a. Have and demonstrate training and/or experience in fish nutrition and aquaculture;
b. Capacity to perform determination of proximate analysis of ingredients, diets and biological material;
c. Capacity to use molecular biology techniques including gene expression determination and data analysis
d. Capacity to evaluate enzyme activities
e. Advanced knowledge of Excel, good knowledge of statistics and data analysis;
f. Be fluent in Portuguese and English, both written and spoken;
f) Have immediate availability (to be mentioned in the motivation letter)

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

3. Work plan: Sidestream is an Era-NET in the Blue Bioeconomy coordinated by Sintef Ocean from Norway and with 9 european partners: CIIMAR, Portugal; CSIC, Spain; AWI, Germany; Projecthub360, Italy; Nofima, Biokraft and Skretting from Norway). SIDESTREAM is focused on the production of high value compounds by utilization of low trophic marine invertebrates reared on waste streams following circular principles. Several industries are in demand for high value compounds such as marine-originated lipids. Omega-3 long-chain (≥C20) polyunsaturated fatty acids (ω3 LC-PUFA) are marine lipids that are abundant in fish oils and fish meals ("marine ingredients"). ω3 LC-PUFA in aquafeeds ensures both growth and health of farmed species and their nutritional value for consumers. Aquaculture is by far the largest consumer of marine ingredients thus requiring novel high nutritional quality ingredients to critically ensure sustainable expansion. CIIMAR coordinates WP3 that aims to develop novel aquafeeds replacing unsustainable protein and lipid sources with high nutritional value from lower trophic aquatic organisms i.e., polychaeta H. diversicolor. These feeds will be tested on economically important aquaculture species such as the European seabass Dicentrarchus labrax. Our aim is not only

to maintain growth and health of the target species but enhance survival and growth performance. We aim to produce high value aquafeeds containing sustainable feed ingredients that can be presented to relevant industries.

The candidate will mainly be involved in the following activities i) maintenance of the animals during the growth trials; ii) sampling of tissues for analysis; iii) determination of proximate analysis of ingredients, diets and biological material; iv) use of molecular biology techniques including gene expression determination and data analysis; (v) determine the activity of several enzymes involved in oxidative stress and lipid metabolism; (vii) performing data analysis; (vii) preparation of intermediate and final project reports in collaboration with our international partners; (viii) participation in dissemination activities.

4. Legislation and official rules: Art. 140 n. 1 and n. 2, g) and 148 the Labor Code (Law 7/2009, of 12 February and respective updates);

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, under the scientific supervision of Prof. Luísa Valente and Filipe Castro

6. Duration of the contract: Duration of ten (10) months, eventually renewable according to the legal terms, starting in april 2022.

7. Monthly salary: Equated to the higher technical career, level 15: gross monthly salary € 1.373,12; food, holidays and Christmas allowance apart.

8. Selection methods: The ranking of candidates will be performed by an initial evaluation based on:

Evaluation of the Curriculum Vitae (EC) -80%;
The Evaluation of the Curriculum Vitae will be performed according to the following criteria:

    i. Average of the classification obtained in Graduation or Master degree (M) - 40%.

    ii. Demonstrated experience in the requested areas (ERA)- 40%

    iii. Published papers/Publication track record in SIDESTREAM specific area (PPP)– 15%.

    iv. Motivation letter (ML) – 5%.

The Evaluation of the Curriculum Vitae will be performed according to the following criteria:
EC = [40%M+40%ERA+15%PPP+5%ML]
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. All the factors will be pondered according to the formula:
INT = 20%
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 = 80%EC+20%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 Luisa Valente
Vogal: PhD Sónia Gomes
Vogal: PhD Cristina Velasco

Substitutos
1. PhD Andreia Silva
2. PhD Filipe Castro

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; 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 vacancy 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 technicians for this project.

11. Deadline for application and presentation of applications: The competition is open from **14 until 25 march 2022.** 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; new developed software)
- 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: rh@ciimar.up.pt and lvalente@ciimar.up.pt, with the offer reference in the subject. The applications that **do not include all** the elements previously indicated will **not be considered**.