SELECTION PROCEDURE FOR CONTRACTING A TECHNICIAN (1 vacancy)

Reference: 2022_036_TS_EdgeOmics

A competition is open for the attribution of one work contract for the exercise of technical functions within the scope of the project "Freshwater Bivalves at the edge: Adaptation genomics under climate-change scenarios", with reference PTDC/CTA-AMB/3065/2020 within the R&D Institution CIIMAR (Interdisciplinary Centre of Marine and Environmental Research), supported FCT, according to the following conditions:

1. Scientific area: Biological Sciences.

2. Admission requirements: The candidates must hold a Bachelor degree or integrated Master's degree in the field of in Biological Sciences or related fields, with a final classification of at least 15 values and a solid experience in computational sciences and bioinformatics. In detail the candidates must have and demonstrate training and/or experience in the following subjects:

- Bioinformatics as a program user;
- Experience in Linux/Unix environment, shell script and development of integrative pipelines;
- Comparative genomics data analysis;
- 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.

3. Work plan: Freshwater ecosystems are at great risk and with unprecedented threats to the biodiversity they support. Climate change is intensifying these trends, with future scenarios predicting an exacerbation of drought conditions in all Mediterranean areas where many watercourses already dry up in summer, challenging the adaptation and survival of freshwater organisms and acting as additional selective stress forces. EdgeOmics project (http://www2.ciimar.up.pt/projects.php?id=170) aims to assess and predict the impact of climate change on freshwater biodiversity, using freshwater mussels as models.

The candidate will be will be integrated in the EdgeOmics project, and expected to collaborate in the main genomic Tasks of the project using state of the art methodologies, genomics and

Novo Edifício do Terminal de Cruzeiros do Porto de Leixões
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Tel.: (351) 223 401 800
Fax: (351) 223 390 608
rh@ciimar.up.pt
www.ciimar.up.pt

transcriptomics pipelines, and bioinformatics HPC infrastructures. The candidate will be involved in treating gene expressing data emerging from RNA-seq datasets, and expected to carry out several tasks including RNA seq analysis, gene sequence analysis.

4. Legislation and official rules: Art. 140, 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 Profs. Filipe Castro and Luísa Valente.

6. Duration of the contract: Duration of 18 months, eventually renewable according to the legal terms, starting in april 2022.

7. Monthly salary: Equated to the higher technical career, level 11: gross monthly salary €1424,38; 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) -70% (which is eliminatory);

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 (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 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%

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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 Elsa Froufe

Vogal: PhD Filipe Castro

Vogal: PhD Manuel Lopes-Lima

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 **23/3/2022 until 5/4/2022.** 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;

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- 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 efroufe@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.

12. Non-discrimination and equal access policy: CIIMAR actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honor, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.