

Postdoctoral Research Grant for the R&D Integrated Program “C4 – Centro de Competências em Cloud Computing”

Reference: “C4_WP3.3_BPD1_c – Bioinformatics and Omics data analysis”

We are accepting applications for 1 (one) Postdoctoral Research Grant for the R&D Integrated Program “C4 – Centro de Competências em Cloud Computing / C4 – Cloud Computing Competences Centre”, co-financed through the *Sistema de Apoio à Investigação Científica e Tecnológica – Programas Integrados de IC&DT*, by the Portugal 2020 Program (PT 2020), in the framework of the Regional Operational Program of the Center (CENTRO 2020) and the European Union through the *Fundo Europeu de Desenvolvimento Regional (FEDER)*, taking place at C4 – Cloud Computing Competences Centre of the University of Beira Interior, Covilhã (Portugal), under the following conditions:

Scientific Area: Biological sciences / Computer sciences

Admission requirements: The candidates should have a PhD degree in Computational Biology, Computer Sciences, Bioinformatics, Biomedical Sciences or a related discipline. Special relevance will be given to the candidates with experience in both Biological and Computer sciences. Preference will be given to candidates with a combination of the following skills: bioinformatics, biostatistics, programming, basic molecular biology, database management, data mining and machine learning, communication and fluency in English.

Objectives and Work plan: The work plan includes scientific and technological research tasks carried out in order to support R&D activities in the field of health sciences, in close collaboration with CICS-UBI (<http://www.cics.ubi.pt/>), for discovering new molecular mechanisms of disease. Particularly, the selected candidate will participate in the development of the following tasks: (1) Close work with CICS-UBI lab scientists to understand and help accomplish their research goals; (2) Bioinformatics support for genomics data, including management and analysis of high throughput sequencing data from next-generation DNA sequencing; (3) Analysis of other types of omics data, including transcriptomics, proteomics and metabolomics; and (4) Elaboration of

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scientific reports and articles and dissemination of the results in national and international scientific events.

Legislation and applicable regulations: Statute of the Scientific Research Grant approved by the Law 40/2004, August 18th, in its current wording, as well as the Regulation of Research Grants of the Foundation for Science and Technology IP (FCT) (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2018.pdf).

Workplace and Scientific supervision: The workplace will be at Cloud Computing Competences Centre of the University of Beira Interior, Covilhã (Portugal), under the scientific guidance of Prof. Manuel Lemos.

Duration: 18 months, renewable for a further 6 months if the end date of the project is extended. The duration of the grant will include an initial probationary period of 3 months.

Amount of the monthly maintenance allowance: The monthly amount of the grant is €1509.80 in accordance with the values stipulated by the “Regulations for Advanced Training and Qualification of Human Resources” of FCT (<http://www.fct.pt/apoios/bolsas/valores.phtml.en>).

The monthly amount shall be rendered payable via bank transfer to an account held by the grantee.

The voluntary social insurance is added to the value of the grant, if the candidate chooses to join it, as well as the personal accident insurance.

Selection criteria: The selection methods to be used will be composed by 2 evaluation phases, according to the following: 1st phase - Curricular evaluation; 2nd phase – Interview, which can be performed via videoconference.

The evaluation in the 1st phase includes the following criteria: *Curriculum vitae*/Academic evaluation (50%); Suitability of the candidates’ profile to the project based on the relevant work experience in the tasks described in the work plan (50%).

The 3 candidates that present the highest scores after the 1st phase will pass to the 2nd phase.

For the final evaluation, each of the evaluation phases have an assessment of 50%.

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Composition of the selection jury: Prof. Manuel Lemos (President of the Jury); Prof. Ana Paula Duarte and Prof. Cecília Santos (Effective members); Prof. Cândida Tomaz (Substitute member).

Form of publication / notification of results: The final results of the evaluation will be publicized through an ordered list, by final grade obtained, posted in a visible and public place of UBImedical, University of Beira Interior (Covilhã, Portugal), and the candidates will be notified by electronic mail.

Application deadline and application form: The application to this grant will be opened from 24th April 2019 until 9th May 2019 (24:00 hours).

Applications must be formalized by sending an email of application, with the subject “C4_WP3.3_BPD1_c - Application”, accompanied by the following documents in a single pdf file (mandatory): Letter of motivation, *Curriculum vitae*, copy of Certificate(s) of qualification, Citizen card details (validity, civil identification number, tax identification number) or Passport and other supporting documents considered relevant.

Applications must be sent to both ubimedical@ubi.pt and mclemos@ubi.pt

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