

ANNOUNCEMENT FOR THE SELECTION OF A GENOME BIOINFORMATICIAN (MSc)

Internal code: Bioinformatician/DIAG/Ipatimup/1011/2023

A call is opened for the position of a Bioinformatician with MSc in genomics/bioinformatics/computational biology, for an unfixed term work contract.

1. Work plan and benefits

IPATIMUP works at the interface of diagnostics and research to understand the pathology of oncologic diseases for the individual patient and works integrated with i3S – Institute of Research and Innovation in Health of the University of Porto, Portugal’s leading institute for research and Innovation in health. We are looking for an enthusiastic bioinformatician or genome biologist with bioinformatics skills to support our translational research team. The successful candidate will be part of a dynamic and international team of scientists in the field of genomics, bioinformatics and molecular pathology. Your primary responsibility will be adaptation and implementation of current bioinformatic pipelines for next generation sequencing data in accordance to diagnostically accredited standards. This will include computational techniques to handle the large amount of genomics data and customize pipelines that allow interpretation of the data by clinical experts. To gain robust knowledge across multiple patient samples, we will establish computational techniques and statistics to support clinical decision making.

We offer free and unlimited access to the online learning environment at i3S.

We guarantee daily supervision at IPATIMUP and off-site support from project members located in the Netherlands at the Tumor Genome Analysis Core (www.tgac.nl).

2. Jury

Chairman: Jose Carlos Machado; Other Members: Bauke Ylstra, Patrícia Oliveira; Substitutes: Jorge Lima.

3. Workplace

Ipatimup/i3S - Rua Alfredo Allen, 208 Porto.

4. Professional category and monthly remuneration

Research Technician, €1.456,16 (gross value)

5. Obligatory requirements

- MSc in bioinformatics, *applied statistics*, biomedical informatics or computer science;
- Experience with computer programming in R, Python, C and/or C++, and workflow management (e.g., Snakemake, Common Workflow Language);

- Basic understanding of or strong interest in the command-line interface (Linux);
- Basic understanding of or strong interest in genome data analysis;
- Basic understanding of or strong interest in molecular biology and/or oncology
- Excellent communication skills and fluency in English (written & spoken)

6. Evaluation of the applications and publication of the results

Weight of the different curricular valuation criteria

- a) Scientific and technological production in bioinformatics and genome data analysis (45%)
- b) Computer programming skills (36%)
- c) Experience in translation of fundamental research to molecular diagnostics (9%)
- d) Interview (10%)

If the jury decides to obtain further clarifications and additional information about the curricular elements presented, the best three candidates classified on the basis of the curriculum may be called for an interview. In this case, for all candidates, the curricular evaluation will weight 90% and the interview will weight 10%.

Candidates are excluded from admission to this call if they do not fill out their application correctly or do not meet the obligatory admission requirements. If in doubt, the jury may ask any candidate additional documents in support of their statements.

False statements made by candidates will be sanctioned in accordance with the law.

The jury will draw up minutes of its meetings, which can be consulted at the candidate's request within 10 working days after the selection results are released.

The jury deliberates by means of a reasoned vote according to the evaluation criteria, with no abstentions allowed, and draws up a list of excluded and admitted candidates, ordered by respective classification.

All candidates are notified of the selection results by email. After notification, candidates have 10 working days to comment.

In the 90 days following the deadline for submission of applications, the jury's final decision is made. Subsequently the institute Director, who is also responsible for the final decision of hiring, will ratify the decision of the jury.

This call is intended exclusively to fill the indicated position on offer and may be canceled before the final results are ratified by the Director. Accordingly, the position will no longer be available.

7. Submission of applications

Applications must include all the documents proving that they fulfill the admission requirements, namely:

- a) Copy of certificate or diploma;
- b) Detailed Curriculum Vitae;
- c) Other relevant documents.

The submission of applications is digital, in pdf format, from 10th to 23th November 2023, in the following link:

<https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/bioinformaticiandiagipatimup10112023>

8. Start and duration of the contract

The anticipated start date of the contract is 01/01/2024 and will last for a predicted time of one year.

9. Non-discrimination and equal access policy

Ipatimup actively promotes a policy of non-discrimination and equal access. No applicant shall be privileged, benefited, prejudiced, or deprived of any right or exempted from any duty on the basis of ancestry, age, gender, sexual orientation, marital status, family situation, economic situation, education, origin or social condition, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs, or trade union membership.

Within the framework of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, Ipatimup adopts the Open, Transparent and Merit-based (OTM-R) principles for the recruitment of researchers, with the aim of conducting fair and transparent recruitment processes, bringing equal opportunities to all candidates.

10. Applicants with disabilities

Under the terms of Decree-Law 29/2001, of February 3, the candidate with a disability is given preference in equal ranking, which takes precedence over any other legal preference. Candidates must declare under oath their degree of disability, the type of disability and the means of communication/expression to be used in the selection process, under the terms of the aforementioned decree.