

**NOTICE OF COMPETITION FOR FOUR RESEARCH INITIATION GRANT FELLOWSHIP IN THE  
AREA OF BIOINFORMATICS OR RELATED AREAS – STREAMWATER PROJECT**

Bearing in mind Regulation No. 437/2020 on Research Grants of the Polytechnic Institute of Setúbal, published in the 2nd series of the Official Gazette No. 83, of April 28, it is made public that, by order of 07-05-2025 from the President of the IPS, a competition is open for the award of **four Research Initiation Grant (RIG) aimed at carrying out R&D activities** for candidates **enrolled in a degree course, in the area of Bioinformatics or related areas**, within the scope of the StreamWater project, financed through FCT **with the period for receiving applications from 19-05-2025 to 30-05-2025**, in accordance with the following conditions:

- 1. Duration of the Scholarship** - The grants last for 6 months, if it does not exceed the final execution date of the respective project.
- 2. Recipients** - The scholarship is intended for candidates with the following profile:
  - Students enrolled in Bioinformatics or related areas;
  - Knowledge of Python, data processing, analysis and visualization;
  - Sense of responsibility and ability to communicate and integrate into multidisciplinary work teams.
- 3. Financial component** - According to the Table, contained in Annex I to the FCT Scholarship Regulation, approved by Regulation No. 950/2019, published in the Diário da República, 2nd series of December 16 (updated version), the value of the Scholarship corresponds to **€651,12** being paid monthly, by bank transfer.
- 4. Workplace** - The work will be carried out, on an exclusive basis, in Escola Superior de Tecnologia do Barreiro, under the scientific guidance of Professor Francisco Pina Martins.
- 5. Activity plan** - The candidate will work on Tasks T1 and T2 of the project, i.e. T1 - Streaming data processing; T2 - Real-time data-driven anomalous events detection and location.

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**6. Assessment and ranking criteria:**

**6.1. Curriculum and Motivational Letter Assessment (CV+ML) – (scale of 0-15 values)**

**a) Academic training (weighting of 0.30) - maximum 15 values**

Enrollment in a degree course in Bioinformatics	15 val.
Enrollment in a degree course in a related field	5 val.

**b) Analysis of knowledge in Python, data analysis, processing and visualization  
(weighting of 0,20) - maximum 15 values**

With knowledge and experience in Python, data analysis, processing and visualization applied to the project area (e.g. participation in research projects, papers, communications, published articles)	15 val.
With knowledge of Python, data analysis, processing and visualization	10 val.
No knowledge of Python, data analysis, processing and visualization	5 val.

**c) General analysis of the Curriculum Vitae (weighting 0,30) - maximum 15 values**

Very good	15 val.
Good	10 val.
Satisfies	5 val.
Does not satisfy	0 val.

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**d) General analysis of the Letter of Motivations (weighting 0,20) - maximum 15 values**

Very good (presents motivational factors related to the activities to be performed as a scholarship holder duly framed in the role)	15 val.
Good	10 val.
Satisfies	5 val.
Does not satisfy	0 val.

**6.2. Selection Interview (scale of 0-5 values)**

In the interview, 4 evaluation parameters are defined and their classification results from the following formula:  $E=MI+TTK+CS+VEF$

- Motivation and Interest (MI)
- Theoretical and Technical Knowledge (TTK)
- Critical Sense (CS)
- Verbal Expression and Fluency, including in English (VEF)

Each parameter is valued from 0 points to 1.25 points according to the candidate's demonstration of competence or behavior.

When provided for in the competition notice, the interview is a compulsory and eliminatory selection method.

**6.3.** The classification of each candidate will be calculated by the sum of the values obtained in the **CURRICULAR EVALUATION** and **MOTIVATION LETTER** and in the **SELECTION INTERVIEW**.

**6.4.** The classification of each candidate will be calculated by the sum of the values obtained in the selection methods specified in the previous point and the ordering of the candidates will be expressed on a scale of 0 to 20 values, rounded to the nearest tenth.

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- 6.5.** For the candidate to be admitted, they must achieve a minimum total classification of 9.5 values and must have obtained at least half of the maximum possible score in Curriculum Assessment method.
- 6.6.** In the event of a tie, the one who achieved the highest rating in the Interview component will be used as the tiebreaker.
- 6.7.** Based on the final ranking list, a recruitment reserve will be created, which will be used to potentially hire successful candidates in the event of withdrawal from those placed in positions eligible for hiring.
- 7. Application documents** - The application must be accompanied by the following documentation:
- Letter of motivation addressed to the President of the IPS;
  - Candidacy form;
  - Detailed CV;
  - Certificates of qualifications for academic degrees held;
  - Proof of student status for the course and degree attended at a Portuguese Higher Education Institution, issued by the respective academic services;
  - Proof of residence permit in Portugal (for applicants without Portuguese citizenship).
- 8. How to submit your application** - The application must be made by filling out the standard form, available on the IPS website, at [www.ips.pt](http://www.ips.pt), in the Central Services/DICI/Research Grants tabs, and sent to [bolsas.investigacao.dgp@ips.pt](mailto:bolsas.investigacao.dgp@ips.pt) or through the address, Campus do IPS, Estefanilha, 2910 761 Setúbal, until the application deadline.
- 9. The jury is made up of:**
- President**
- Doutor Nelson Jorge Gaudêncio Carriço, Professor Adjunto da Escola Superior de Tecnologia do Barreiro/IPS.
- Effective vowels**
- Doutor Francisco Rente de Pina Martins, Professor Adjunto da Escola Superior de Tecnologia do Barreiro/IPS;

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Doutor Vitor Manuel Meneses Barbosa, Professor Adjunto da Escola Superior de Ciências Empresariais/IPS.

**10. Applicable legislation and regulations** - The scholarship is awarded under Law No. 40/2004 of August 18, in its updated version (Statute of the Scientific Research Fellow) and Regulation of Scholarships and Research of the Foundation for Science and Technology, available for consultation at <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>

Instituto Politécnico de Setúbal.