

## CALL FOR GRANT APPLICATIONS (AE2024-0014)

INESC TEC is now accepting grant applications to award 1 Post Doctoral Research Grant (BIPD) within the scope of the INESC TEC LA funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., project reference LA/P/0063/2020

### 1. GRANT DESCRIPTION

**Type of grant:** Post Doctoral Research Grant (BIPD)

**General scientific area:** COMPUTER SCIENCE

**Scientific subarea:** Computer Systems

**Area of Work:** Bioengineering, Health technologies, Clinical dataset management and curation

**Grant duration:** 6 months, starting on 2024-03-01, with the possibility of being renewed until the end of the project.

**Scientific advisor:** Miguel Coimbra

**Workplace:** INESC TEC, Porto, Portugal

**Maintenance stipend:** € 1741,00, [according to the table of monthly maintenance stipend for FCT grants](#), paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the [Regulations for Grants of INESC TEC](#) and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under the terms established in the internal document: "[Payment of Tuition fees to grant holders](#)".

The grant holder will benefit from health insurance, supported by INESC TEC.

### 2. OBJECTIVES:

Managing and annotating a high volume of endoscopy video data and keeping the data organized for computing processing and analysis. Managing the dataset for possible publication. Managing the institutional relationship between INESC TEC and hospital partners in this area. Increasing research capacity in computer vision. Publication and scientific presentation of results applying endoscopic image analysis algorithms.

### 3. BRIEF PRESENTATION OF THE WORK PROGRAMME AND TRAINING:

The activities will take place at FCUP, with regular visits and meetings at the IPO Porto facilities. Management and annotation of endoscopy images and videos resulting from the partnership with the IPO. Use of specialized software to annotate and organize data for processing and possible publication, as well as managing relationships with national and international hospital partners. Training in computer vision for scientific production in the area of endoscopic image analysis algorithms.

#### 4. REQUIRED PROFILE:

##### Admission requirements:

PhD in Biology

The PhD degree must have been obtained within the three years prior to the date of submission of the application and the research work leading to the award must have been carried out at a host entity other than INESC TEC.

##### Preference factors:

Previous experience in the use of commercial medical image annotation software, with preference for gastric endoscopy images.

##### Minimum requirements:

BSc in Biology with at least 15 final average grade (out of 20 points)

MSc in Biology with at least 18 final average grade (out of 20 points)

PhD in Biology

Minimum of 4 journal publications as first author.

#### 5. EVALUATION OF APPLICATIONS AND SELECTION PROCESS:

**Selection criteria and corresponding valuation:** the first phase comprises the Academic Evaluation (AC), based on the criteria referred to in Article 12 of the [Regulations for Grants of INESC TEC](#), while the second phase comprehends the Individual Interview (EI). All factors are evaluated on a scale of 0 to 100, taking into account the applicants' merit, suitability and conformity with the preference factors.

The weight of the AC factors are as follows: Academic Qualifications (FA, 40%), Scientific Publications (PC, 20%), Experience (EX, 20%) and Motivation Letter (CM, 20%).

Candidates who score less than 50 points in the AC average will be considered excluded on absolute merit. The top five candidates approved on absolute merit will be qualified for the individual interview. The Final Grade (CF) is obtained by the weighted average of AC (60%) and EI (40%).

##### The Selection Jury is composed of the following members:

President of the Jury: Miguel Coimbra

Full member: Francesco Renna

Full member: António Cunha

Substitute member:

**Release of results and prior hearing:** the results of the selection process, as well as the terms and procedures for prior hearing, will be released to the applicants by email, under the terms referred to in Article 13 of the Regulations for Studentships and Fellowships of INESC TEC.

#### 6. FORMALISATION OF APPLICATIONS:

##### Application Documents:

1. Motivation letter;
2. Curriculum Vitae (must include the list of previous fellowships, their type, beginning and end dates, funding entities and host institutions);
3. Certificate or diploma degree;
4. Documental evidence to support the country of residence, residence permit or other legally equivalent document, in cases where the applicant is a foreigner or non-resident in Portugal - valid until the beginning of the grant.
5. Other supporting documents relevant to the final assessment.

Failure to deliver the required documents within the 90-day period after the date of the notice of the conditional awarding of the grant implies its cancellation.

**Application period:** From 2024-01-25 to 2024-02-07

**Submission of applications:** the application will be formalised by submitting the form available in the *Work With Us* section of INESC TEC website.

## 7. BINDING LEGISLATION AND REGULATION

The hiring process shall comply with the current legislation regarding the Research Grant Holder Statute, approved by Law no. 40/2004 of August 18, in its current wording, as well as by the [Regulations for Grants of INESC TEC](#) and for [FCT Grants Regulation in force](#).

For more information, please check the [Regulations for Grants of INESC TEC](#) and relevant annexes at [www.inesctec.pt/bolsas](http://www.inesctec.pt/bolsas)



Governo da República Portuguesa

# FCT

Fundação para a Ciência e a Tecnologia  
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