INESC TEC | Research Grant (AE2024-0278)
INESC TEC

Job Title	INESC TEC | Research Grant (AE2024-0278)
Department	CBER
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Aug. 5, 2024
Application Deadline	Aug. 7, 2024
Position Start Date	Jul. 25, 2024
Job Categories	Graduate Student
Academic Field(s)	Bioengineering (all Bio-related fields)
	Engineering - Other
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Apply By Email	
Job Description	

Research Opportunity

Application of signal processing and biomedical modelling methods to the field of Neuroengineering.

Work description

- Support in the acquisition and management of clinical data in the field of epilepsy, with a focus on patients with implanted deep brain stimulation systems.
- Using the data to implement new neurostimulation strategies by modelling brain stimulation

strategies using brain atlases and combining them with brain signals.
- Investigating new interactions between different brain regions in order to optimise stimulation in patients with epileptic seizures.

Academic Qualifications

Master in Biomedical Engineering, Electrical Engineering and Computers, Physics Engineering or similar.

Minimum profile required

- Familiarization with the area of Neuroengineering using brain modelling tools, as well as brain atlases.
- Good knowledge of signal analysis and processing as well as programming.

Preference factors

- Knowledge of artificial intelligence classification methodologies.
- Previous contact with the epilepsy area and preferably with deep brain stimulation signals.
- Previous contact with EEG data collection systems and familiarization with the clinical environment.

Maintenance stipend: € 990,98 or 1259,64, 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.

Application Period

Since 25 Jul 2024 to 07 Aug 2024

Centre

Biomedical Engineering Research

Scientific Advisor

João Paulo Cunha

What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**
- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

For more information: Click here

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

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