

INESC TEC | Post Doctoral Research Grant (AE2024-0222)
INESC TEC

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Posted Jun. 21, 2024, set to expire Oct. 21, 2024

Job Title	INESC TEC Post Doctoral Research Grant (AE2024-0222)
Department	CBER
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jun. 21, 2024
Application Deadline	Jul. 4, 2024
Position Start Date	Jun. 20, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/opportunities/biomedical-engineering-AE2024-0222#intro

Apply By Email

Job Description

Research Opportunity

Biomedical Engineering

Work description

- Investigate new solutions for cardiovascular signal processing, focusing on segmentation and classification of heart sound and electrocardiogram signals.
- Design and implementation of artificial intelligence algorithms for analyzing data collected with a multimodal stethoscope.
- Collaborate with clinical partners in collecting and organizing a database.

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- Collaborate in the writing of scientific articles, patent proposals and work reports.

Academic Qualifications

PhD

Minimum profile required

PhD in Biomedical Engineering, Electrical Engineering, Artificial Intelligence, or related

Preference factors

- Experience in phonocardiogram and electrocardiogram analysis;
- Experience in deep learning for biomedical signal analysis;
- Publications in the field of biomedical signal processing.

Maintenance stipend: € 1801,00, 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.

Application Period

Since 20 Jun 2024 to 04 Jul 2024

Centre

Biomedical Engineering Research

Scientific Advisor

[Francesco Renna](#)

What we offer

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- **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

Contact E-mail rh@inesctec.pt