

INESC TEC | RESEARCHER (AE2024-0463)
INESC TEC

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Posted Nov. 8, 2024, set to expire Mar. 10, 2025

Job Title	INESC TEC RESEARCHER (AE2024-0463)
Department	CBER
Institution	INESC TEC PORTO, , Portugal
Date Posted	Nov. 8, 2024
Application Deadline	Nov. 20, 2024
Position Start Date	Nov. 7, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Biomedical Engineering

Work description

- Research new multimodal deep learning solutions for the classification of heart sound and electrocardiogram signals.
- Design and implement explainable artificial intelligence algorithms for analyzing data collected with a multimodal stethoscope.
- Collaborate with clinical partners in the collection and organization of a database.

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- Contribute to the writing of scientific articles, patent proposals, and reports.

Academic Qualifications

- MSc in Data Science, artificial intelligence, biomedical engineering, or related.

Minimum profile required

- Experience in phonocardiogram and electrocardiogram analysis.

Preference factors

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

Application Period

Since 07 Nov 2024 to 20 Nov 2024

Centre

Biomedical Engineering Research

Scientific Advisor

[Francesco Renna](#)

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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

Contact E-mail rh@inesctec.pt