Investigation Grant - 1 vacancy

A call for tender for the award of 1 Research Grant (BI) is open at UNINOVA - Institute for the Development of New Technologies under the project COVOICE-19 - Artificial Intelligence and Data Science Supporting Tool for the Detection, Diagnosis and Prognosis of the COVID-19 Disease, with reference DSAIPA/AI/0111/2020, funded by the FCT-Fundação para a Ciência e a Tecnologia by national funds, for the development of R&D activities to be carried out by doctoral students or by graduates and masters enrolled in non-academic degree courses, under the following conditions:

Scientific Area: Electrical and Computer Engineering.

Application Requirements:

- PhD students or graduates and masters enrolled in non-academic degree courses in areas related to Electrical and Computer Engineering.
- Good knowledge of Artificial Intelligence and experience in implementing and deploying Machine Learning solutions.
- Good Knowledge of typical data science workflows.
- Good knowledge of Scientific Research Methods and Techniques.
- Experience with audio analysis (preferential).
- Experience with web development (preferential).

Work Plan:

- Research and development work on the following items:
    - Development of data collection and processing pipelines.
    - Development of Machine Learning models to support diagnosis tasks.
    - Design and development of a web application to support data collection.
    - Prototype development, testing & validation.
- Participation in research meetings.
- Preparation of publications.

Legislation and applicable regulations: Statute of the Scientific Research Fellow, approved by Law No. 40/2004, of 18 August, amended and republished by Decree-Law No. 202/2012, of 27 August and amended by Decree-Law No. 233/2012, of 29 October, by Law No. 12/2013, of 29 January and by Decree-Law No. 123/2019, of 28 August and the Regulation for Research Grants of the Foundation for Science and Technology, IP - 2019 - https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf

Applicants who have obtained the degree abroad must have the degree recognized in Portugal, under the terms of Decree-Law no. 66/2018, of 16 August

Workplace: The work will be developed at UNINOVA - New Technologies Development Institute, under the scientific guidance of Professor Dr. José Barata de Oliveira.

Duration of the scholarships: The scholarship will have a duration of 18 months, starting on March / April 2021 and may be renewed during the term of the project until 31-01-2024.

Amount of monthly maintenance allowance: The amount of the scholarship corresponds to € 1 074,64, according to the table of values of grants awarded directly by FCT, I.P. in the Country (http://www.fct.pt/apoios/bolsas/valores).
The scholarship will be paid monthly on the last business day of each month by bank transfer.
The corresponding "voluntary social insurance (SSV)" will be added to the scholarship amount, as well as personal accident insurance.

Selection Method: The selection method to be used will be the following: analysis of submitted documents including motivation letter (70%), and interview (30%), with assessment of motivation and capabilities of the applicants.

Composition of the Selection Jury:

- Professor Doutor José Barata de Oliveira.
- Doutor Ricardo Silva Peres.
- Doutora Sanaz Nikghadam.

Form of publication / notification of results: The results of the evaluation will be publicized through a sorted list, posted in a visible and public place of UNINOVA - Institute for Development of New Technologies, and the selected candidate will be notified by email.

Application period and application form: 15 – 26 March 2021.
Applications must be formalized, mandatorily, by sending a letter of application accompanied by the following documents: Curriculum Vitae, Certificate of Qualifications of the academic degrees obtained with classifications, copy of identification document and other documents attesting the relevant aspects reported in the CV.
Applications must be delivered during office hours in the RICS Research Group, in the UNINOVA building or submitted by email to jab@uninova.pt or pass@uninova.pt .