



Call for applications for the assignment of 1 research fellowship grant for carrying out Category B research activities, as per Article 22 of Italian Law No. 240/2010, for the Scientific Disciplinary Sector of ING-INF/06 - Electronic and Informatics Bioengineering, at the facilities of the Centro Integrato di Ricerca (CIR - Integrated Research Centre) and of the Departmental Faculty of Engineering of Università Campus Bio-Medico di Roma.

Call Code: ASS-RIC/06\_23\_PNRR

<b>Departmental Faculty</b>	Engineering
<b>Research theme in English</b>	Early Detection of Rare Inherited Retinal Dystrophies (RD) and Cardiac Amyloidosis (CA) enhanced by Artificial Intelligence (AI): the impact on the patient's pathway in Campania Region.
<b>Brief description of the research</b>	<p>The project aims at studying and developing an Artificial Intelligence (AI) based system for the early diagnosis of rare diseases (RD and CA). The resource will be responsible for identifying optimal procedures for pre-processing and analysis of biomedical signals and images, as well as algorithms for extracting and selecting key information from these signals. The ideal candidate should have experience in medical imaging techniques applied to the diagnosis of different pathologies, as well as managing clinical data, their processing and organization, proficiency in English and Italian, willingness to travel for project activities.</p> <p>The research will be carried out mainly at the Campus Bio-Medico University of Rome, in collaboration with the project partners: <a href="https://www.unicampus.it/it/ucbm/early-detection-of-rare-inherited-retinal-dystrophies-and-cardiac-amyloidosis-enhanced-by-artificial-intelligence">https://www.unicampus.it/it/ucbm/early-detection-of-rare-inherited-retinal-dystrophies-and-cardiac-amyloidosis-enhanced-by-artificial-intelligence</a>.</p>
<b>Scientific Supervisor</b>	Leandro Pecchia
<b>Scientific Disciplinary Sector</b>	ING-INF/06 - Electronic and Informatics Bioengineering
<b>Language knowledge and skills</b>	Written and spoken English, minimum level B2
<b>Date of the interview</b>	<b>25<sup>th</sup> October 2023, at 3:00 pm</b> Remote candidates on Microsoft Teams platform