



**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 IBIO-01/A – Bioengineering, at the facilities of the CIR - Integrated Research Centre and of the Departmental Faculty of Engineering of Università Campus Bio-Medico di Roma.**

Call Code: ASS-RIC/40\_24

<b>Departmental Faculty</b>	Engineering
<b>Research theme</b>	Optimization of project management for biomarkers simultaneous electrochemical detection via PoC.
<b>Brief description of the research</b>	<p>The candidate will carry out activities within the EPoCA research project to optimize project management methods for the development of Point of Care (PoC) diagnostics for simultaneous electrochemical detection of biomarkers.</p> <p>The candidate will proactively participate in the project and will be responsible for communication with partners and for managing resources and timelines.</p> <p>The EPoCA project aims to develop and validate a graphene-based biosensing platform for rapid, remote diagnosis of Ebola at the point of care. Utilizing multiplexed field-effect sensors, it will detect specific biomarkers in blood samples, aiding in the swift identification and triage of patients. The AI-based cloud networking will transmit results to a central server, enabling real-time health warnings across interconnected platforms.</p>
<b>Scientific Supervisor</b>	Prof. Leandro Pecchia
<b>Scientific Disciplinary Sector</b>	IBIO-01/A – Bioengineering
<b>Language knowledge and skills</b>	Knowledge of written and spoken English
<b>Date of the interview</b>	<b>16<sup>th</sup> December 2024, at 11:30 a.m.</b> Remote candidates on Microsoft Teams platform