

Call for Applications for the Award of No. 2 Research Positions pursuant to Article 22-ter of Law No. 240/2010, Scientific-Disciplinary Group 09/IBIO-01 – Bioengineering, Scientific-Disciplinary Sector IBIO-01/A - Bioengineering, at the facilities of the Research Unit in Intelligent Health and Technologies and the Faculty Department of Engineering of the Università Campus Bio-Medico di Roma (competition code: IR/09_26).

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Research positions available	2
Contract duration (at least one year)	12 months
Departmental Faculty/Research Unit of affiliation	Faculty of Engineering / Intelligent Health and Technologies Research Unit
Place where the activities will be carried out	UCBM
Scientific Disciplinary Group	09/IBIO-01 – Bioengineering
Scientific-Disciplinary Sector	IBIO-01/A - Bioengineering
Subject of the contract (title of the research program)	Development of a protocol for the evaluation of measurable morphological parameters during the cell differentiation process.
Brief description of the research program to which the position is linked	The aim of the project is to develop a protocol for the evaluation of measurable morphological parameters during the cell differentiation process. The candidate will be involved in implementing assays to monitor and identify morphological changes that occur during cell differentiation, using non-destructive and low-cost techniques. The project is divided into several integrated phases: implementation of cell culture protocols; detection and analysis of morphological parameters relevant to monitoring cell differentiation; and development of an operational protocol for the quantitative and reproducible evaluation of these parameters. The work will offer the opportunity to acquire multidisciplinary expertise in the fields of tissue engineering, regenerative medicine, and biotechnology.
Research Supervisor/Tutor	Dott. Joseph Lovecchio
Maximum number of publications	1
Language knowledge and skills	English
Any additional qualifications subject to evaluation	Proven experience in the research topic



Date and time of the interview	3rd September 2026, at 3:00 p.m. Remote candidates on Microsoft Teams platform
Funding body	MUR
Funding Programme / Call for Proposals	Project SISTINE - Unleashing the full potential of Tissue Engineering using Machine Learning-inspired standard metrics, project number FIS-2023-03542, linea di finanziamento Bando MUR FIS 2 - Fondo Italiano per la Scienza (FIS), Principal Investigator Dott. Joseph Lovecchio.