



**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 CHIM/07 – Principles of Chemistry for Applied Technologies, at the facilities of the CIR - Integrated Research Centre and of the Departmental Faculty of Science and Technology for Sustainable Development and One Health of Università Campus Bio-Medico di Roma**

Call Code: ASS-RIC/14\_24

<b>Departmental Faculty</b>	Science and Technology for Sustainable Development and One Health
<b>Research theme in English</b>	Microfluidics-enabled continuous flow chemistry for cell culture microcarriers
<b>Brief description of the research in English</b>	The fellowship is funded by the PRIN 2022 project “MIC-AIM   Microfluidic Impedance Cytometer enabling AI-based on-line Monitoring of cells and cell-carrier complexes: a technological tool for drug screening and cell manufacturing applications” (prot. 2022245PTX, CUP C53D23001600008). The research project aims at developing microfluidic devices for the continuous flow chemistry of biomaterials micro-particles to be used in bioreactor-based cell culture applications. Activities will include chip design and microfabrication, biomaterials synthesis and functionalization, and micro-carriers physical, chemical and biological characterization.
<b>Scientific Supervisor</b>	Dott.ssa Sara Maria Giannitelli
<b>Scientific Disciplinary Sector</b>	CHIM/07 – Principles of Chemistry for Applied Technologies
<b>Language knowledge and skills</b>	Good knowledge of the English language
<b>Date of the interview</b>	<b>15<sup>th</sup> April 2024, at 2:30 pm</b> Remote candidates on Microsoft Teams platform