

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 BIO/13 – Experimental Biology, at the facilities of the Centro Integrato di Ricerca (CIR - Integrated Research Centre) and of the Departmental Faculty of Medicine and Surgery of Università Campus Bio-Medico di Roma.

Call Code: ASS-RIC/09_23

Departmental Faculty	Medicine and Surgery
Research theme	Ubiquitin/proteasome system and FMRP stability in cancer.
Brief description of the research	The FMRP protein (Fragile X Mental Retardation Protein), widely studied in neurons as a regulator of synaptic plasticity mechanisms, also plays a key role in cancer, where it is able to regulate cancer cells invasiveness and their immune system evasion. Modulation of FMRP stability via the ubiquitin/proteasome system has been studied in the brain, but this aspect has never been investigated in relation to cancer. Given the emerging importance of the ubiquitin/proteasome system in tumor progression and in the development of new anti-cancer therapies, the aim of this project is to study the degradation pathways of the FMRP protein in cancer cells and to understand how they impact the tumor invasiveness mechanisms.
Scientific Supervisor	Prof. Francesca Zalfa
Scientific Disciplinary Sector	BIO/13 – Experimental Biology
Language knowledge and skills	English (minimum level B2)
Date of the interview	22nd November 2023, at 10:30 am Remote candidates on Microsoft Teams platform