



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 BIOS-06/A Physiology, at the facilities of the CIR - Integrated Research Centre and of the Departmental Faculty of Medicine and Surgery of Università Campus Bio-Medico di Roma.

Call Code: ASS-RIC/19_24

Departmental Faculty	Medicine and Surgery
Research theme in English	Modulating synaptic neurotransmission to reactivate the immune reaction against brain tumors
Brief description of the research in English	<p>Glioblastoma is the most malignant and aggressive form of brain tumor and displays high rates of recurrence despite maximal safe resection, chemotherapy, and radiation. While current therapeutic strategies focus on targeting the glioma cells, the tumor microenvironment appears to play a major role in controlling glioma growth and therefore represents a potential target for treatment. In this context, the role of peritumoral neurons and neuronal afferents in glioma progression remains only partly understood. Here, we propose to study the role of dopamine on glioblastoma growth, and to test whether manipulating dopamine signaling could contrast tumor progression.</p> <p>We will use multidisciplinary approaches ranging from mouse model manipulation, stereotaxic surgery to immunohistochemistry.</p>
Scientific Supervisor	Prof. Marcello D'Amelio
Scientific Disciplinary Sector	BIOS-06/A Physiology
Language knowledge and skills	English B2-C1
Date of the interview	19th July 2024, at 02:30 pm Remote candidates on Microsoft Teams platform

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