



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 ING-IND/24 – Fundamentals of Chemical Engineering, 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/17_24

Departmental Faculty	Science and Technology for Sustainable Development and One Health
Research theme in English	Computational analysis of TRAF2 dimer
Brief description of the research in English	TRAF, key proteins in TNFR signaling, interact with several proteins, including glutathione transferase P1-1. They connect the receptor to downstream effectors, regulating the signaling pathways in inflammation and cancer. The molecular mechanism behind the function of TRAF2, a traffic membrane protein investigated for its potential involvement in cancer and other pathological forms. remains unclear due to limited structural and dynamic information, as well as its role in membrane binding and vesicular traffic. This project aims to build dedicated applications that integrate the Canonical Analysis of Molecular Dynamics and Protein Contact Networks to clarify and define the structure-function relationship of the trimeric form of TRAF2.
Scientific Supervisor	Prof.ssa Luisa Di Paola
Scientific Disciplinary Sector	ING-IND/24 – Fundamentals of Chemical Engineering
Language knowledge and skills	English B2
Date of the interview	14th June 2024, at 11:30 a.m. Remote candidates on Microsoft Teams platform

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