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 MED/01 – Medical Statistics, 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/13_24

Departmental Faculty	Medicine and Surgery
Research theme in English	Application of Artificial Intelligence systems to Bacterial Mutations leading to Antibiotic resistance
Brief description of the research in English	In 2022 there is a recovery in the consumption of systemic antibiotics with a +24% compared to 2021. Antimicrobial resistance is currently considered one of the main threats to public health. The excessive and improper use of antibiotics in the human, veterinary and livestock sectors, together with the high spread of healthcare-associated infections, are the main factors in the development of antimicrobial resistance. Therefore we must promote appropriate use, leveraging correct information, individual responsibility and improving prescriptive appropriateness. The purpose of our study evaluates and predicts, using artificial intelligence techniques, the formation of mutations in antibiotic-resistant bacteria based on the different antibiotics in use, the dosage and time of intake
Scientific Supervisor	Prof. Massimo Ciccozzi
Scientific Disciplinary Sector	MED/01 – Medical Statistics
Language knowledge and skills	English A2
Date of the interview	**4th April 2024, at 10:00 a.m.** Remote candidates on Microsoft Teams platform

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