

Model 1 – PROFILE (Cod.Ud'A 2024/078)

a comparative assessment procedure by qualifications and public discussion for the recruitment of one **Researcher with fixed-term employment** is hereby announced pursuant to art. 24 paragraph 3 letter b) of the Italian Law 240/2010 (SENIOR) with full-time commitment, G.S.D. 05/BIOS-11 PHARMACOLOGY (ex S.C. 05/G1) S.S.D. BIOS-11/A PHARMACOLOGY (ex S.S.D. BIO/14), activated for the needs of study and research of the Department of Scienze Mediche, Orali e Biotecnologiche

- **date of the resolution of the Department** which identified ssd and s.c.(competitive exam sector) for fixed-term full time researcher under art. 24 , paragraph 3, letter . b) of Law no .240/2010: cdd (resolution of Department) of 09/07/2024 Prot.n. 55088/2024 of 12/07/2024;
- **Date of the resolution of the Department** which identified the profile according to art. 4 paragraph 4 of the University Regulations: cdd (resolution of Department) of 09/07/2024 Prot.n. 55088/2024 of 12/07/2024 ;
- **Date of the resolution of the Department** which identified Weights of elements subject to evaluation: no specific resolution were taken; please refer to the ranges identified in the procedure.
- **Date of the resolution of the Department** which identified minimum eligibility score: no specific resolutions were taken;
- **Academic Recruitment Field:** G.S.D. 05/BIOS-11 PHARMACOLOGY (ex S.C. 05/G1);
- **Profile:** S.S.D. BIOS-11/A PHARMACOLOGY (ex S.S.D. BIO/14);
- **Specific functions required to the research assistant:**
 - **Teaching appointments:** teachings included in the S.S.D. BIOS-11/A in the three-year and master's degree courses belonging to the School of Medicine and Health Sciences;
 - **Scientific appointments:** the candidate's research activity must be focused on pharmacology applied to the study of the effects mediated by the receptors of the adenine and guanine-based purine system, known and newly identified receptors, through the use of natural agonists/antagonists and/or summary. The activity of extracellular enzymes implicated in the metabolism of endogenous purines, as signal molecules involved in neurodegenerative and tumor processes, will also be studied with the aim of identifying molecular targets for new possible therapeutic approaches;
- **Rights and obligations:** as laid down by the provisions in force for the legal status of fixed term research assistants, and by the current Code of Ethics of the University;
- **Duration:** 36 months non-renewable;
- **Salary:** Euro 44.640,92 with application of the 20% increase equivalent to the remuneration due to the permanent researchers confirmed class high of 20%increase;
- **Maximum number of publications:** 12 (twelve);
- **Foreign language** whose adequate knowledge will be assessed with reference to the multi-lingual profile of the University, namely the academic teaching needs in foreign language degree courses: English;
- **Mean of assessment of knowledge of the foreign language, or knowledge of Italian for foreign candidates:** interview;
- **Funding:** University Staff Recruitment Extraordinary Plan of 2024 (M.D. 795/2023);
- **The specific research activity will focus on the following project:** "role of adenine- and guanine-based purines and their metabolic enzymes in the modulation of tumor progression and neurodegenerative pathologies. The project involves the use of in vitro (cell cultures) and ex vivo (biopsy tissues, serum) experimental models of breast cancer, prostate cancer and glioblastoma";
- **The scientific production objectives:** publication of 3 papers in international journals;
- **Mean of assessment of scientific qualification:** by assessment of qualifications, curriculum, scientific production and an interview, under and for the purposes of Art . 24 of Law no. 240/2010.