

Model 1 – PROFILE (Cod.Ud'A 2024/077)

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. 06/MEDS-26 METHODS IN LABORATORY MEDICINE, TECHNICAL DIAGNOSTIC, ASSISTANCE, PREVENTION AND REHABILITATION HEALTH PROFESSION SCIENCES, ADVANCED MEDICAL AND SURGICAL TECHNOLOGY AND METHODOLOGY (ex S.C. 06/N1) S.S.D. MEDS-26/A BIOTECHNOLOGY AND METHODS IN LABORATORY MEDICINE (ex S.S.D. MED/46), **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 + Department Urgency Decree prot. n. 71108/2024 del 18/09/2024;
- **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. 06/MEDS-26 METHODS IN LABORATORY MEDICINE, TECHNICAL DIAGNOSTIC, ASSISTANCE, PREVENTION AND REHABILITATION HEALTH PROFESSION SCIENCES, ADVANCED MEDICAL AND SURGICAL TECHNOLOGY AND METHODOLOGY (ex S.C. 06/N1);
- **Profile:** S.S.D. MEDS-26/A BIOTECHNOLOGY AND METHODS IN LABORATORY MEDICINE (ex S.S.D. MED/46);
- **Specific functions required to the research assistant:**
 - **Teaching appointments:** as part of the three-year and master's degree courses of interest of the Department of Medical, Oral and Biotechnological Sciences;
 - **Scientific appointments:** the candidate will have to carry out research in the field of organ-on-chip technology. The main objective will be the development of human lung organ-on-chips in microfluidics systems, built with patient cells. These chips will be used for studies of the pathophysiology of the immuno-inflammatory response and preclinical pharmacology in the field of respiratory diseases with a particular focus on cystic fibrosis;.
- **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 / as required by current legislation on the matter, and in particular by the D.P.R. 12/15/2011, n. 232 and subsequent economic adjustments provided by law;
- **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:** "Reconstruction on microfluidic chips of bronchial airways of cystic fibrosis, including the vascular, epithelial and connective components, perfused with leukocytes, for studies on the effectiveness of CFTR modulators on the immuno-inflammatory and antimicrobial response";
- **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