



**Department of Health Promotion, Mother and Child Care,
Internal Medicine and Medical Specialties (PROMISE)**

Academic Recruitment Field: 06/D4 - Skin, infectious and gastrointestinal diseases

Academic Discipline: MED/12 – Gastroenterology

VACANCIES	N. 1
CUN (Italian National University Council) AREA	06 - MEDICINE
Location of the research activity:	Department of Health Promotion, Mother and Child Care, Internal Medicine and Medical Specialties (PROMISE)
Location of the teaching activity:	School of Medicine and Surgery of the University of Palermo
Location of the assistance activity:	University Hospital "Paolo Giaccone", Palermo
Functions to perform – type of teaching and scientific commitment:	<p>TEACHING COMMITMENT: The candidate will have to carry out their teaching activity as a teacher in integrated courses within the Master's Degree Courses and other Degree Courses of the School of Medicine. They will also be able to carry out teaching and support functions within the School of Specialization in Diseases of the Digestive System and, subordinately, in other Specialization Schools of the School of Medicine. They will assist in the preparation of degree/specialization theses of the students of Degree Courses and Specialization Schools. They will use the facilities of the University Department and the School of Medicine, as well as other University resources where appropriate, to carry out the teaching activity.</p> <p>The candidate will carry out their assistance activity as a Medical Director at a specialist Operating Unit of the University Hospital or, upon the stipulation of a specific agreement, at a Healthcare Company affiliated with the National Health System, in compliance with protocol agreements with the Sicilian Region.</p> <p>SCIENTIFIC COMMITMENT: Major research area: Health Intervention area: - Promote Precision Medicine - Identify new biomarkers for the early diagnosis of NCDs and organ damage or for their classification including a gender perspective - Create multi-omics panels for molecular diagnosis, direct therapeutic choices, for follow-up and monitoring of therapy in a Personalized Medicine perspective.</p> <p>Articulation: Implementation of diagnosis, therapy and follow-up systems for non-communicable and/or aging-related diseases. They will have to carry out their research activity by assisting in the development of projects on topics related to pathophysiology, diagnostics and etiological and supportive therapy in gastroenterological and hepatological pathologies, gradually developing design autonomy. Their activity will have to focus above all on the identification of genetic and clinical-metabolic tools, of transcriptomic and proteomic expression profiles with diagnostic and prognostic value, as well as on the study of the molecular pathogenetic mechanisms of diseases through the aid of 2D and 3D cellular models</p>



	and organoids, with the ultimate aim of creating "precision medicine" processes. They will use the facilities of the University Department, as well as other University resources where appropriate, to carry out the research activity.
Maximum number of papers:	12
Language skills:	English