



Call Code: ASS-RIC/47_24

Departmental Faculty	Faculty of Medicine and Surgery
Research theme	Characterization of overweight/obesity and its relevance in people with autoimmune diabetes
Brief description of the research	The research project investigates the interaction between obesity and autoimmunity, focusing on immuno-metabolic phenotypes in individuals with obesity and autoimmune diabetes. The candidate will participate in the analysis of biological samples (adipose tissue, microbiota, blood) to identify biomarkers, variations in incretin activity, and to explore inflammatory mechanisms and the gut-pancreas-brain axis. The isolation and differentiation of mature adipocytes and adipose-derived stem cells (ASC) will be performed for characterizing adipose tissue. The project employs advanced techniques such as these and microbiota sequencing to develop personalized therapeutic strategies.
Scientific Supervisor	Prof.ssa Silvia Manfrini
Scientific Disciplinary Sector	MEDS-08/A – Endocrinology and Metabolism
Duration of contract	12 months
Annual gross amount	25.000,00
Economic coverage	La copertura economica è garantita con fondi del progetto “Characterization of overweight/obesity and its relevance in people with autoimmune diabetes”, responsabile scientifico il dott. Dario Tuccinardi, finanziato dal Ministero dell'Università e della Ricerca nell’ambito del bando “PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2022 Prot. 2022NS7PRM, CUP C53D23006490001.
Admission qualifications	University degree (as per the Old Italian System) in Biological Sciences or Specialist/Master’s Degree in Human Nutrition Sciences as per Ministerial Decrees No. 509/1999 and No. 270/2004.
Language knowledge and skills	English C1
Date of the interview	5th March 2025, at 12:30 p.m Remote candidates on Microsoft Teams platform