

Code B_2738

Department	Medical Science and Public Health
UniCa reference person	Filippo Tocco
Project title in English	Genetic polymorphisms involved in individual susceptibility to musculoskeletal injuries
Project title in Italian	Polimorfismi genetici correlati alla suscettibilità individuale agli infortuni muscoloscheletrici
Subject area of reference (World University Ranking)	CLINICAL, PRE-CLINICAL AND HEALTH
Project summary and VPS' profile	<p>There is evidence of a hereditary component to training response and athletic performance, including susceptibility to injury. The diversity of the human genome markedly influences variables such as endurance, strength, flexibility, neuromuscular coordination, psychological features, injury susceptibility, and many other properties relevant to the recovery and adaptation to exercise training. The aim of the project will be to increase knowledge in the field of genetic polymorphism involved in individual susceptibility to musculoskeletal injuries that occur during sports practice. The VPS will be involved in the Department's research activities regarding the specific genetic factors contributing to inter-individual variability observed in sports performance and in the susceptibility to muscle injuries. The VPS will give specific Seminars on the topic in the Sports and Exercise Degree Courses and in the Specialization School in Sports Medicine. The ideal VP should be an international expert in the field of genetics applied to exercise, sports performance, and musculoskeletal injuries.</p>
Proposed length of stay	Short visit of 6 days
Expected period of activity	June 2023
Academic position of the VPS'	Professor
Course of Study	Laurea triennale (1st cycle University Degree), Laurea magistrale (2nd cycle University Degree), Laurea magistrale a ciclo unico (5-6-year Master Degree), Dottorato di ricerca (PhD Course), Scuola di specializzazione (Specialization Course)
Language of instruction	English