

Code B_2374

Department	Biomedical Science
UniCa reference person	Luigi Atzori
Project title in English	Translating Metabolomics into the Clinic
Project title in Italian	Come portare la metabolomica nella clinica
Subject area of reference (World University Ranking)	CLINICAL, PRE-CLINICAL AND HEALTH
Project summary and VPS' profile	<p>The present proposal is aimed to improve the knowledge of students, Ph.D. students, postdocs, and researchers of our university in the general area of precision medicine with a special focus on the application of metabolomics in the clinic. Specific clinical areas of interest should be metabolic disorders, neurological diseases, cardiovascular risk, and cancer. This may lead to defining new biomarkers, better understanding the physiopathological mechanisms, and predicting the response to the therapy. The area of metabolomics is already well-established in our Department and University. The visit we apply will increase our strength. To this aim, we plan to organize a series of seminars, practical demonstrations, and personal meetings. To reach the goal, the present proposal will require a Visiting Professor who will be involved in the ongoing research activities of our Department of Biomedical Sciences and will give seminars on the following topics:</p> <ul style="list-style-type: none">•Standardisations, processing, and analysis of metabolomics data•Changes in lipids metabolic disorders and cancer•Hepatic damage and de novo lipogenesis <p>VPS' profile</p> <p>Strong expertise in the field of metabolomics, particularly in the areas of metabolic disorders, neurological diseases, cardiovascular risk, cancer, and an extremely solid publication background certified by publications in high-quality international journals is mandatory.</p> <p>Benefits</p> <ol style="list-style-type: none">1. Improvements in the general knowledge of the Ph.D. Students, post-docs, and researchers of our university in new technologies applied to the metabolomics area.2. Generation of scientific collaboration between our researchers and foreign institutions (Including Ph.D. student exchanges).3. Development of joint research projects aimed at gaining financial support. <p>A similar project was approved in 2019 but due to the pandemic it could not be carried out.</p>
Proposed length of stay	Short visit of 10 days
Expected period of activity	April 2024
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
