

## Code B\_2417

<b>Department</b>	Biomedical Science
<b>UniCa reference person</b>	Raffaella Isola
<b>Project title in English</b>	Mitochondrial bioenergetics in heart and skeletal muscle
<b>Project title in Italian</b>	Bioenergetica mitocondriale nel muscolo cardiaco e scheletrico
<b>Subject area of reference (World University Ranking)</b>	LIFE SCIENCES
<b>Project summary and VPS' profile</b>	<p>I wish to host an expert of heart and skeletal muscle mitochondrial biochemistry, who also has an expertise in isolated myofiber bioenergetics. Bioenergetics lay in the context of different metabolic pathways and regulations that overlap in mitochondria, behaving differently in different tissues. Thus, I wish that my morpho-physiologic background is completed by that of an expert in the muscle cell energetic homeostasis, with a particular knowledge in the mitochondria-linked redox homeostasis, and, at the same time, on the effect of hypoxia and training on their physiology. Therefore, the VP should be an expert in mitochondrial bioenergetics in animal models in heart and skeletal muscle in different physiological conditions. As a teaching activity, the VP is expected to give a seminar illustrating his/her latest research.</p>
<b>Proposed length of stay</b>	Short visit of 6 days
<b>Expected period of activity</b>	Late spring 2024
<b>Academic position of the VPS'</b>	Professor
<b>Course of Study</b>	Laurea triennale (1st cycle University Degree), Laurea magistrale a ciclo unico (5-6-year Master Degree), Dottorato di ricerca (PhD Course)
<b>Language of instruction</b>	English