

## Code B\_2745

<b>Department</b>	Life and Environmental Sciences
<b>UniCa reference person</b>	Rita Meleddu
<b>Project title in English</b>	Nucleoside and nucleotide pro-drugs Chemistry
<b>Project title in Italian</b>	Chimica di profarmaci a struttura nucleosidica e nucleotidica
<b>Subject area of reference (World University Ranking)</b>	LIFE SCIENCES
<b>Project summary and VPS' profile</b>	<p>The project aims to shed a light on the design of nucleoside and nucleotide lipophilic prodrugs that can efficiently reach their intracellular targets. The proposed activity is mainly based on the strategies to increase nucleosides and nucleotides drugs uptake and intracellular delivery and more in general to the methodologies to design, synthesise, and investigate efficient prodrugs of highly polar small molecules whose biological targets are intracellular. The visiting professor should be a well-recognised scientist in the field of organic and medicinal chemistry with particular attention on the optimisation of antiviral and anticancer agents through an active prodrugs design approach. The multidisciplinary of the proposed professorship program might be of interest for a large audience of students and academic researchers at the university of Cagliari.</p>
<b>Proposed length of stay</b>	Short visit of 6 days
<b>Expected period of activity</b>	September-October 2024
<b>Academic or professional position of the VPS'</b>	Professor
<b>Course of Study</b>	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)
<b>Language of instruction</b>	English