



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



MARIE SKŁODOWSKA-CURIE ACTIONS

Research Fellowship Programme

H2020-MSCA COFUND PhD position in

METABOLIC CONTROL OF CANCER

The University of Padua and the Laboratory of Angiogenesis and Cancer Metabolism, Dept. of Biology, University of Padua, lead by Prof. Massimo M. Santoro are seeking PhD candidates for a Horizon Europe – MSCA Doctoral Networks PhD position to study the **role of metabolism in cancer growth and spreading** starting in October 2022. The lab has recently identified a set of novel metabolic pathways that are crucial for the regulation of metabolism and antioxidant response (Santoro, 2020, *Cell Metabolism*; Arslanbaeva and Santoro, 2021, *Redox Biology*, Astone and Santoro, 2021, *Drug Discov Today*, Facchinello et al., 2021, *Nature Metabolism*). Using mouse genetic approaches as well as advanced molecular and metabolic techniques we want to elucidate how metabolism regulate cancer survival and progression. Our laboratory has acquired strong experience in the field of metabolism, genetic, molecular and cellular biology working with cells and animal models. Mouse animal facility, single cell RNA-seq, STED, multiphoton, light sheet microscopy equipment's, and metabolic/proteomic core facilities are available in the laboratory and department for these studies. The project will include secondments at IRB, Barcelona (Spain) and University of California (USA). Please visit these website for further information about us: www.massimosantorolab.com and <https://pubmed.ncbi.nlm.nih.gov/?term=massimo+m.+santoro&sort=pubdate>.

University of Padua is among the top Italian institutions with over 30 ERC grantees. Our university combine a strong tradition in cell biology with interdisciplinary approaches, and represents an idyllic environment for life science research. Padova is an historical university city, located in the North-East of Italy, near Venice, closed to the Mediterranean sea and the Dolomites enabling a healthy work-life balance.

Applicants for a H2020-MSCA COFUND PhD position should hold a Master degree in biomedical sciences, bioengineering, medicine or any related discipline. Motivated students of all nationalities with a strong commitment to basic and/or clinical research are invited to apply. The candidate should have well-developed social skills and be able to work in a team. Interest in the field of angiogenesis, cell signaling and metabolism will be an additional asset. Applicants should have good communication skills in spoken and written English. More informations are available at <https://www.unipd.it/en/uniphd>.

Contact

Please send your CV, letter of motivation, and the contact information of at least two supervisors to Prof. Massimo Santoro at massimo.santoro@unipd.it.