



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



European
Research
Council



Postdoctoral position

METABOLIC CONTROL OF CANCER

The laboratory of Prof. Massimo M. Santoro at University of Padua is seeking a post-doctoral fellow to study the **role of metabolism in melanoma growth and spreading**. 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*; Arslanbaeva et al., 2022, *Redox Biology*). 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 cancer 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.

The **post-doc candidate** must be a highly motivated researcher with a PhD in a relevant discipline as well as having experience in mouse genetic, molecular, and/or cellular biology methods. The applicant must have a good publication record in peer-reviewed international journals (including at least one paper as a first author in top-journal) and must be capable of working in a team as well as independently. Excellent communication skills in spoken and written English are required. We offer a 3-years position with a competitive salary commensurate to the candidate's experience.

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.