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UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



Ministero dell'Università e della Ricerca



European  
Research  
Council

## **Postdoctoral position**

### **in Bioinformatics/Data Science/Machine Learning**

The laboratory of Prof. Massimo Santoro at Dept. of Biology, University of Padua and Venetian Institute Molecular Medicine (<https://massimosantorolab.com>) is seeking a post-doc fellow to work on omics data analyses, and drug discoveries. Our lab is engaged in different projects related to translomics and spatial transcriptomics in the context of cardiovascular, hypoxia and cancer settings. Detailed informations are available upon request.

Essential experience and skills:

- An PhD related to bioinformatics, computational biology, computer science, machine learning, systems biology, pharmaceutical sciences, applied math/statistics/physics, data science, or related fields.
- Excellent programming skills, preferably in R and Python
- Experience handling (large) datasets, performing data parsing and analysis
- Proficient communication skills and ability to work in teams
- Excellent English skills written and spoken

Desirable experience and skills:

- Experience with Machine learning / Deep learning / Large Language Models
- Experience with software and pipeline design
- Code versioning with GitHub
- Experience working with protein structures and protein-protein interactions (e.g. structural bioinformatics)
- Knowledge of cell biology, cellular signalling, protein structures, intermolecular interactions, and cancer
- The applicant should be reliable and well organized. The work requires independence and demands flexibility and accuracy. Further, you must have good interpersonal skills and interest in working in an international team.

We offer a dynamic working environment, stimulating scientific surroundings in a young, enthusiastic, motivated team (with English as the main language), and the opportunity to work on high-impact projects. We offer a competitive salary (European Marie Curie Fellow range) and social security contribution. Please send your CV, a letter of motivation, and the contact information of at least two references to Prof. Massimo Santoro at [massimo.santoro@unipd.it](mailto:massimo.santoro@unipd.it). The positions will start 2024 (flexible).

As a top European institution of higher education, the University of Padua holds over 30 ERC grantees and offers a strong foundation in cell biology studies with interdisciplinary approaches. This idyllic environment for life science research is located in the northeast of Italy, which is perfect for those seeking a healthy work-life balance thanks to its proximity to the Adriatic Sea and the Dolomite Mountain range.

#### **Contact**

Please send your CV, letter of motivation, and the contact information of at least two references to Prof. Santoro at [massimo.santoro@unipd.it](mailto:massimo.santoro@unipd.it). The position is available immediately.