

Position: PhD POSITION IN BIOINFORMATICS

PhD School: PhD School in Bioscience (curriculum Genetics, Genomics and Bioinformatics)

Location: University of Padova, Department of Biology. The selected candidate will work in **Padova (Italy)** under the supervision of Prof. Chiara Romualdi and Dott. Enrica Calura

Contacts: A contact by email **before formal submission** will be appreciated.

Prof. Chiara Romualdi - chiara.romualdi@unipd.it;

Dott. Enrica Calura - enrica.calura@unipd.it

Schedule: The call will be available at

<https://www.unipd.it/dottorato/bandi-graduatorie>

The deadline is 12th May 2021 and the position (three-year) will start in October 2021

Funding project: Fondazione AIRC

The Research Project

The aim of the project is to study ovarian cancer heterogeneity by giving a landscape of genomic and epigenomic interactions and unravelling tumor microenvironment composition, tumour-immune cells interaction and the association genotypes-immunophenotypes.

The project will provide high-throughput data from either bulk samples and single cells giving the possibility to tackle both methodological and applicative tasks. The student will be involved both in the application and development of new bioinformatic methods for data pre-processing and analysis with a specific focus on network models.

Qualifications and qualities

We invite applications from highly motivated and outstanding students with a degree or master in one of the following disciplines: biology, biotechnology or Statistics, bioinformatics or computational biology. Students from related disciplines, such as engineering, physics or mathematics are also welcome to apply.

The candidate should have an appropriate problem solving attitude, good communication skills, and be willing and able to work in team as well as independently. Knowledge, experience or strong interest in molecular biology, cell biology and tumour mechanisms is expected.

Additionally, the following skills would be an advantage for the selection:

- Experience in omic data analysis;
- Programming skills (R/Python);
- Familiarity with bioinformatics databases;
- Ability to interact with scientists of different disciplines.

Eligible candidates must have received their Master's degree before 30 September 2021