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*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

**http://www.unipd.it/ricerca/dottorati-ricerca**

From the 3rd of April to the 6th of May 2020 and the position (three-year) will start in October 2020

**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. These aspects have been widely recognized as key aspects in cancer progression and will be used for ovarian patient stratification.

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 2020**

**Please notice that applications sent only by e-mail will not be considered.**