

Lab:

Innovative Strategies for Precision Oncology, Medical Oncology, Fondazione Policlinico Universitario Gemelli, IRCCS.

Supervisor:

Prof.Giampaolo Tortora

Compbio-supervisor:

Antonio Agostini PhD

Position:

PostDoc/PhD student

Role:

Computational Biologist

Candidate profile:

Early stage-researcher (<3 years from Master Degree, young PhD) to train for the analyses of novel spatial technologies. Also more experienced PostDoc will be considered.

Job description:

We are hiring an young but passionate early-stage researcher to study the application of multi-omic and spatial biology analyses in clinical oncology. In particular, the candidate during his training with Dr.Antonio Agostini will work on multi-omics spatial profiling of pancreatic tumors. The position will be funded for 5 years (for PostDoc) and 3 years(in case of PhD -starting from 2025-).

Skill development:

- The candidate will learn how to analyze a spectrum of multi-omics data:

Genomics: **WES, WGS**

Transcriptomics: **RNA-seq, miRNA-seq**

Proteomics: **SomaScan, MS**

Metabolomics: **MS**

- The candidate will learn how to set-up and analyze **Spatial Multi-Omics** analyses such as **Visium, Stereo-Seq, Xenium** (Spatial Transcriptomics) and Multiplex IF (**Akoya, Lunaphore**).

- Opportunity to co-operate with Pharmaceutical Companies.

Requirements:

- Master Degree in Bioinformatics
- Basic knowledge of Bash, R, Python
- Basic Knowledge of Statistics

Required documents:

- CV (include privacy disclosure)
- Diploma Supplement (include privacy disclosure)

Contacts:

antonio.agostini@policlinicogemelli.it