



We are pleased to announce an exciting opportunity for Master's thesis positions to join our research team at the ***Istituto di Ricerca Pediatrica***.

**Position: Undergraduate student
Tirocinio Tesi Magistrale**

Location: Fondazione Istituto di Ricerca Pediatrica - Città della Speranza, Corso Stati Uniti 4, Padova
Dept. of Women's and Children's Health,
University of Padova

[High-Throughput Drug Screening for Precision Oncology Lab](#)

About Us:

Our research group is currently working on understanding of the key molecular pathways that sustain tumor drug resistance and the identification of promising anticancer drugs for pediatric brain tumors.

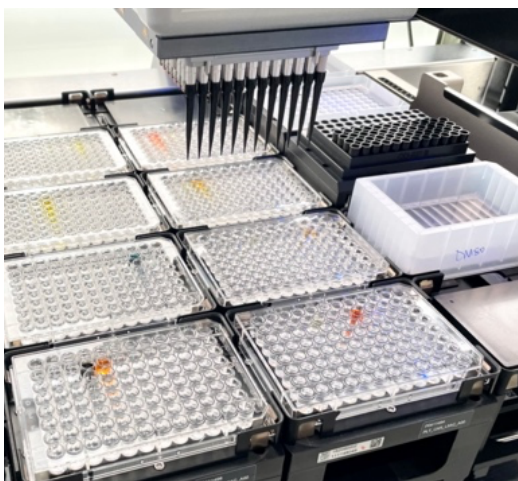
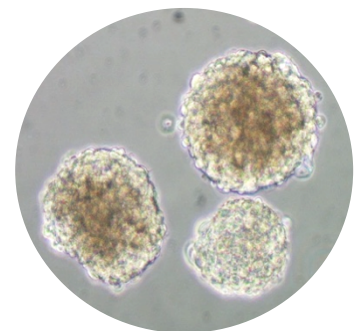


Ongoing Projects:

- Drug Sensitivity Profiling for Personalised Medicine
- High-Throughput screening using genetically engineered tumor models to identify new cancer vulnerabilities
- In vitro modeling of chemotherapy resistance
- Study of myogenic differentiation in primary cancer cells

What You Will Learn:

- iPSC & primary brain cancer cell cultures
- **High-throughput screening**, dose-response curves & drug synergisms studies
- Imaging, co-immunoprecipitation and western-blot protein analysis
- mRNA isolation and qRT-PCR, molecular cloning, *etc.*)
- Data analysis & literature review



How to Apply:

Interested candidates are invited to submit the following documents to

elena.mariotto@unipd.it

- Detailed CV/resume and cover letter outlining your research interests and relevant experience.
- Academic transcripts and any relevant publications (if applicable).



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PEDIATRICA**