PhD position

A 3 year PhD position is available at the Oncogenomics Unit, Institute of Clinical Physiology, National Research Council (IFC-CNR) in Pisa, Italy.

In our lab we study the coding and non-coding regulatory networks that revolve around BRAFV600E isoforms in melanoma. To do so, we use a wide range of techniques, ranging from in silico (omics approaches), to in vitro (yeast, melanoma cell lines) and in vivo (melanoma modeling in zebrafish and in the mouse).

The successful PhD candidate will use zebrafish to develop new melanoma models that allow to compare the oncogenic features of different BRAFV600E isoforms, as well as to perform BRAFi-centered drug screenings and identify effective combination therapies.

Recent graduates in the field of Biological Sciences, Biotechnologies or similar are encouraged to apply. Candidates should:

- be very motivated, self-driven, hard-working, with a strong commitment to a career in science;
- have strong problem-solving skills (creative, critical, and open-minded);
- be able to organize their work autonomously;
- be excellent team players, well disposed toward multidisciplinary projects;
- be able to present and discuss their data in English;
- be very familiar with zebrafish as animal model (animal care and breeding, DNA extraction and genotyping, microinjection, phenotypic characterization, pharmacological treatments, xenografts);
- be familiar with standard techniques of molecular biology (cloning, DNA/RNA extraction, PCR, qRT-PCR, western blot, in vitro transcription);
- be familiar with standard techniques of imaging (in situ hybridization, immunofluorescence and immunohistochemistry; optical, fluorescence and confocal microscopy).

If interested, please send a CV and a brief description of prior research experiences, together with 2-3 references, to laura.poliseno@cnr.it.

The deadline for applications is June 30th 2023.

Sincerely,

Dr. Laura Poliseno, PhD

Contact details:
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