

TITLE

Role of neuroendocrine transdifferentiation in prostate cancer development and drug resistance.

DESCRIPTION

The project is aimed at identifying Role of neuroendocrine transdifferentiation in prostate cancer development and drug resistance. This could involve an integrated “multiomic” approach that allow the investigation of the time-dependency occurrence of a potential biomarker panel for the detection and/or tracking of neuroendocrine cells. Furthermore, will be investigated the expression of NE markers in a wide range of pre-clinical material (fluids and tissues derived from differently aged transgenic mice). The successful progression of the project should allow opportunities to progress findings towards clinical trial development.

SELECTION CRITERIA

Eligibility Criteria

- Academic degree: Applicants shall have a master degree in **Cancer Biology, Computational Biology, Biochemistry**, corresponding to the second level of studies.
- Mobility rule: There will be no nationality restrictions. Applicants can be from any Country. However, according to the mobility rule, at the time of the application deadline researchers should not have resided or carried out their main activity (work, studies, etc.) in Italy for more than 12 months in the 3 years immediately prior to the reference date. Compulsory national service and/or short stays such as holidays will not be taken into account.
- Research experience: Applicants shall, at the time of the application deadline, be in the first four years (full-time equivalent research experience) of their research careers and not yet awarded a doctoral degree.

Full-Time Equivalent (FTE) Research Experience will be determined from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in Italy, irrespective of whether or not a doctorate is or was ever envisaged.

Evaluation Criteria

Step 1 -Evaluation of documentation provided by the candidate: a) Academic record and training b) Research activities c) CV/motivation letter; d) Level of English; e) Reference letters

Step 2 -Interview : a) Scientific knowledge in the field of interest; b) Research experience in the field of interest c) Motivation d) English proficiency.