

TITLE

Lipid-based molecular mechanism of inflammation and anti-inflammation

DESCRIPTION

Lipid-derived second messengers involved in inflammation and tumor invasion. This project will focus on small molecules derived from the enzymatic metabolism of cellular membrane lipids, that exert regulatory function *in vivo*, and that can be considered as lead for drug development, upon their validation in *in vitro* and *in vivo* studies. The general field of interest will be the inflammatory process that accompanies the immunological response to different external challenges, including the formation and spreading of tumor cells.

SELECTION CRITERIA

Eligibility Criteria

- Academic degree: Applicants shall have a master degree **in Biology and related fields such as Molecular Biology, Immunology, Cell Biology etc**, 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.