



ID

VP085_ONC

Visiting Professor Program Academic Year 2024/2025

TEACHING COMMITMENT: 24 hours

COURSE TITLE

Drug Resistance in Cancer: Understanding the Biological Bases, Moving to Patients.

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Biochemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course will be focused on drug resistance in cancer, a problem that affects up to 60% of patients subjected to chemotherapy, target therapy or immunotherapy. The course will be structured on seminars treating: the biological, molecular and metabolic bases of drug resistance; the new pharmacological strategies to overcome drug resistance; the examples of clinical failures and successes in patients with constitutive or acquired resistance to chemotherapy, target therapy or immunotherapy. Part of the course will be structured as frontal seminars; the last hours will be dedicated to the presentation of a specific topic related to the course by the students, followed by a joint discussion. Since some students will be abroad because of their stages related to PhD School, all the activities will be in streaming.

LEARNING OBJECTIVES

At the end of the course the student will be able to: 1) critically discuss original articles focused on drug resistance in oncology; 2) design the proper experiments to address this topic, if related to her/his PhD project; 3) collaborate to write reviews and prepare grant applications on the topic of the course.

Not applicable.

OTHER ACTIVITIES BESIDES THE COURSE

- 2 seminar to PhD students on her/his research topic (PhD programs in: Biomedical Sciences and Oncology; Biological Sciences and Applied Biotechnology; Complex Systems of Life; Pharmaceutical and Biomolecular Sciences);
- 2 seminars to research fellows and professors on her/his research topic;
- on-demand face-to-face meetings with research fellows and professors to discuss possible joint applications to international funding programs.

VISITING PROFESSOR PROFILE

The Visiting Professor is expected to have a proved experience in the research related to the topic, with a documented track-record of visting professorship and/or research period spent at top-level institutions worldwide.

A documented experience of teaching these subjects to graduated and PhD students, the enrolment as faculty member (full professor) at the Home Institution, the tutoring of undergraduated, graduated and PhD students are highly desirable.

Other preferential titles are:

- A high-quality research in the field of teaching (e.g H-index > 50);
- An international reputation as eminent scientist in the field (invited lecture at international meetings, awards received for her/his research at Institutions different from the Home Institution, editing tasks in high impact factor journals);
- > 2 appointments as visiting scientist or professor by Institutions outside the home Country.

CONTACT REFERENT

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