



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP61_DIP_BIOTEC

Visiting Professor Program Academic year 2022/2023

TEACHING COMMITMENT: 16 hours

COURSE TITLE

GENETIC MODELS OF HUMAN PATHOLOGY

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Applied biology

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The general aim of the course is to illustrate the use of animal models for studying human diseases.

LEARNING OBJECTIVES

The course illustrates the main techniques to generate mouse models (classical transgenesis, gene targeting, CRISP/cas9) and explain the use of animal models for studying the pathogenesis of human disease and for testing new therapeutic approaches. Diseases taken into consideration include cardiovascular disorders, diabetes, disorders of iron metabolism and cancer.

TUTORSHIP ACTIVITIES

N/A

LAB ACTIVITIES

N/A

OTHER ACTIVITIES BESIDES THE COURSE

Visiting professor will do a seminar addressed to the Department and will participate to scientific discussions with PhD students and Research fellows.

VISITING PROFESSOR PROFILE

The Visiting Professor candidate for this course should meet the following requirements:

-solid scientific background in the use of animal models for studying physiologic and pathologic conditions, demonstrated by high-impact scientific publications, participation at international meetings and coordination of research projects.

-Teaching experience

CONTACT PERSON AT THE DEPARTMENT

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