

RESEARCH STUDIES BOARD, FUN

Translational Cancer Research, METRCF1

Translationell cancerforskning

1.5 credits.

Third cycle

General information

This part-time course is for doctoral students at Lund University's Faculty of Medicine and doctoral students who are affiliated with the CARES graduate research school. It is intended for doctoral students who are engaged in a translational cancer research project. If places are available, other applicants affiliated with the faculty are admitted, such as researchers with a doctoral degree. The course corresponds to one week of full-time study.

Language of instruction

English

Aim

The aim of the course is to provide participants with an overall understanding of preclinical and clinical translational cancer research's scientific principles, requirements and execution.

Learning outcomes

On completion of the course, participants shall be able to:

- Understand the definition and goals of translational science and describe the scientific and organisational principles for translational research that can be applied to improve translationally-oriented cancer research projects.
- Discuss the step-by-step approach for translating a research discovery into an effective medicine or aid in order to fulfil a specific public health need.
- Describe the pitfalls of translational cancer research and the general principles for avoiding them.

Course content

By presenting key concepts and examples of translational cancer research projects, the course will provide a broad perspective on translational cancer research, from discovery to implementation in public healthcare, and present relevant skills that are necessary for cancer researchers. The various roles of the different disciplines and public authorities that are involved in translational cancer research will be discussed and information will be presented on local resources that can be utilised by the students in order to achieve the goals of their cancer research

projects. The course will also provide basic knowledge on the ethical and data protection requirements that apply in translational and clinical studies. Furthermore, general rules will be presented concerning how to ensure the reproducibility of research and its compliance with the guidelines and standards for conducting and reporting preclinical and clinical research projects.

Course design

The course corresponds to five days of full-time study and is based on active participation by the course participants. Teaching will mainly consist of compulsory pre-recorded lectures and independent study of selected literature. A compulsory examination will be conducted independently at the end of the course. The participants are expected to have access to a laptop computer and possess a basic understanding of clinical trials.

Assessment

The assessment is based on a multiple-choice questionnaire (MCQ) at the end of the course. To be awarded a grade of Pass for the course, the participant is required to actively participate in all the course components.

Grades

Pass or Fail.

Entry requirements

To be admitted to the course, the applicant is required to have a degree in medicine, biomedicine, molecular biology or equivalent, and to have been admitted to third-cycle studies at Lund University or the CARES graduate research school.

Reading list

Research articles, which will be distributed before the course starts.