SAHLGRENSKA ACADEMY

Dnr.: U 2017/142

# SN00029, Entrepreneurship in Biomedical Research, 2.5 higher education credits

## *Third cycle*

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**1. Confirmation**
The syllabus was confirmed by the Council for PhD Education on 2017-03-07 to be valid from autumn semester 2017.
Responsible institute: Neuroscience and Physiology

**2. Position in the educational system**
The course is an elective course within the third cycle at Sahlgrenska Academy.

**3. Entrance qualifications**
Admitted to postgraduate education.

**4. Course content**
The focus will be biomedical entrepreneurship but the course will also provide an overview of early drug development.

The course will cover the following topics:

A) During the first two days there will be overview lectures on drug development of both small molecules and biologicals

B) The main part of the course will cover how to develop your research ideas into favorable concrete patient outcome, basic knowledge on how to start a company and entrepreneurship:

- How do I develop my research ideas into patient benefit?
- What support can I get to develop my idea?
- How do I form a company?
- How do I create a business plan?
- How do I get financial support to develop my research idea and company?
- How can I decide if there is a clinical or commercial value in my research idea?

**5. Learning outcomes**

After completing the course the student is expected to be able to:

*Knowledge and understanding*

The course will focus on how to develop your research ideas into concrete patient outcome via a start-up company/entrepreneurship. I addition there wil be an overview of metods used in drug development. The course wil also analyze a number of successful och unsuccessful projects to maximize learning. The students will have understanding on how to develop reasearch ideas into patient outcome and considerations related to patent strategies.

*Skills and abilities*
The aim for the course is to give the graduate students a more detailed knowledge how to develop research ideas into patient benefit through starting up a company and an overview of drug development.

*Judgement and approach*
After the course the student should be able to understand the importance of a systematic approach to drug development and also be able to have a more entrepreneurial approach to how biomedical ideas could be advanced from an idea to a finished drug or medical product.

**6. Required reading**

A number of review articles on the topic will be provided.

**7. Assessment**

At the end of the course there will be a written exam covering the relevant knowledge the students are expected to have aquired.

A doctoral student who has failed a test twice has the right to change examiners, if it is possible. A written application should be sent to the Institute.

**8. Grading scale**

The grades are Pass or Fail.

**9. Course evaluation**

The course evaluation will be done at the end by asking the student to fill in a provided form. The form will also be available for the students via e-mail and via GUL.

**10. Additional information**