



FCB3094 Higher Seminar in Spatial Genomics IV 3.0 credits

Högre seminarium i spatial genomik IV

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for FCB3094 valid from Autumn 2021

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Passed the courses FCB3091, FCB3092 and FCB3093.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completion of the course the doctoral student should have the knowledge and ability to

- show substantial in-depth knowledge, both broad and specialized, in the overall subject area of biotechnology with emphasis on the scientific subject area of the course (spatial genomics).
- demonstrate qualified ability to present pedagogically, critically examine and discuss scientific papers in the subject of biotechnology with emphasis on the scientific subject area of the course.
- demonstrate deep insight into, and good ability to apply, academic authorship and the international scientific publishing landscape with relevance to the scientific subject area of the course.
- demonstrate qualified ability to identify, discuss and reflect on ethics and sustainability aspects in the research that is discussed within the framework of the subject area of the course.

Course contents

The course takes the form of scientific, higher seminars that address current trends in research focusing on spatial genomics where doctoral students' own results, as well as other researchers' results, are presented, critically reviewed, discussed and given feedback. The course literature focuses on current trends in spatial genomics.

The course is the fourth in the seminar series.

Examination

- DEL1 - Participation, 3.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Additional information about the course and grade criteria are found in the course memo.

Other requirements for final grade

Requirements for final grade include active participation at 80% of the seminar sessions, which includes presenting, preparing and actively participating in reviewing and discussing selected scientific work.

Transitional regulations

If the examination form is changed, the student will be examined according to the examination form that applied when the student was admitted to the course. If the course is

completed, the student is given the opportunity to be examined on the course for another two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.