



Synthetic Biotechnology: experiments and modeling

2018 Summer course in Stockholm, Sweden

Dates

23 July - 10 August 2018 (3 weeks) + post-course assignment (1 week)

Location

Arrhenius Laboratories experimental and computer teaching labs

Responsible department

Department of Biochemistry and Biophysics

Aim

Introduction to Synthetic Biotechnology and 3D structural modeling, with lab exercises. Exposure to current research and Swedish culture.

Description

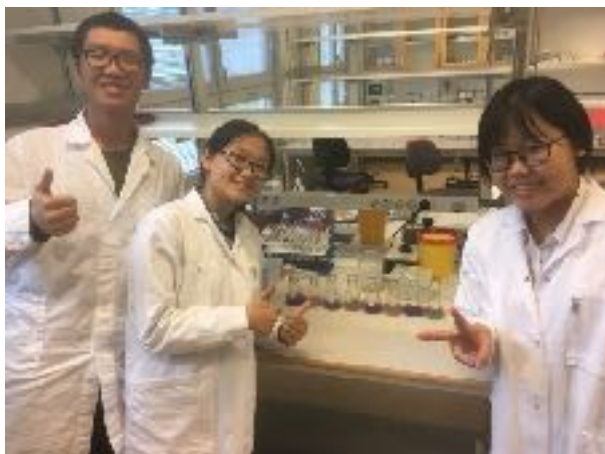
Are you excited by the idea of rewiring organisms? Then this course is for you. You will learn theory and basic experimental techniques of synthetic biology, from world class researchers. You will also learn how to do molecular modeling and sequence analysis to better understand and design your system, guided by Samuel Flores. It is up to you to decide whether you focus on experiments or modeling, as part of a team pursuing a supervised project in safe and well-kept labs.

Entry requirements

Enrolled in Bachelor studies in Biology. Preference for students in years 2+ of Molecular Biology, Microbiology, Biochemistry, Genetics, Biophysics, Bioinformatics, or similar. Course is open to Swedish as well as foreign students. For this short course non-Schengen (e.g. Chinese) students may need a *tourist* visa (easier to get than a *student* visa) from your nearest Swedish embassy.

Costs

Tuition (17500 SEK) and registration (900 SEK) applies to non-EU students. Will include education, materials, and insurance (Kammarkollegiet). Does NOT include housing or meals. If your university does not have a study-abroad agreement with Stockholm you should seek housing on the private market.



Format

Lectures, team wet- and computer-lab project, written quizzes, final presentation, pre- and post-course assignment. Formal enrollment, 7.5 ECTS points.

Application

Before **March 15, 2018**, at universityadmissions.se (select summer 2018, search for course KB3004).

Questions:

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