

Course title: Current Trends in Biochemistry, 3 credits

Credits /Duration: 3 credits/ August 28 2019 to May 2020

Description

The ambition is to provide cutting edge insights into current trend in Biochemistry. The course will be multidisciplinary, touching upon different combinations of biochemistry, biophysics, structural biology, cell biology and computational biology.

Learning Outcomes

The participants will get cutting edge insights into current trends in Biochemistry and will be trained in discussing research with leading researchers in the field. They will further get the better insights into how to make a scientific career.

Contents

The course will be given in connection with the seminar series in Biochemistry and the Tiselius symposium. It will have the format of a start-up meeting, seminars by 4-5 invited speakers and a written report where the students connect their research with topics touched upon during the seminars, and a final closing meeting.

Two of the speakers have been invited (see below), the remaining 2-3 will be selected based on nominations from the course participants. Thus, as a part of the course you will get the possibility to nominate and potentially host an invited speaker.

The invited speakers will

- a) give a research seminar for the students as well as for a broader audience
- b) have a scientific discussion and an informal lunch or coffee with the students.

The confirmed speakers and dates are

August 28-29: Prof. Helen Walden (Glasgow):

Topic: Exploring (structurally) how specific ubiquitin signals are produced

Note that the seminar will be given in connection with the one-day Tiselius symposium, and the discussion with PhD students will be arranged before lunch (10-12) August 29.

For more information see

<https://www.gla.ac.uk/researchinstitutes/biology/staff/helenwalden/>.

Sept 12: Dr. Tim Nott (Oxford)

Topic: Compartmentalisation via liquid-liquid phase separation in cells

For more information see <https://www.bioch.ox.ac.uk/research/nott>

Before each seminar, students will be asked to read a select set of papers related to the research of the invited speakers. To pass the course, the students should participate actively during seminars and meetings and finalize the report.

Examination

Active participation in seminars and group discussions, plus a written report.

Literature

Scientific articles.

Teaching Staff

Ylva Ivarsson & Erik Marklund

Contact

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