

Summer school 2023

The course provides students from the ZHAW, students from partner schools in Switzerland as well as students from abroad the opportunity of an intercultural exchange and knowledge transfer in a unique atmosphere.

Focus of the course will be a CHO cell-based antibody production and stem cell expansion in reusable and single-use benchtop bioreactors. Furthermore latest trends and developments in the field of cell culture will be discussed. The students will meet experts from the biotech industry for more discussions outside the university building an additional social programme is planned.

We are looking forward to welcoming you here in Wädenswil.

Prof. Dr. Ohristian Hinderling

Head of the Institute of Chemistry and Biotechnology

Head of Biochemical Engineering and Cell Cultivation Technique

Registration and further information

Registration deadline: 31st May 2023

Contact: Iris Poggendorf, Research Scientist, Email: bvt-zkt.icbt@zhaw.ch

Programme information

Award: Course certificate, 3 ECTS, marks are awarded according to written experimental report and oral presentation.

Requirements: Students from B. Sc., M. Sc. and Ph.D. programmes

and first year postdoctoral researchers

Level: Participants should be trained in aseptic working techniques

English level: Minimum "First Certificate" in English (FCE, University of Cambridge ESOL Examinations)

Students who did not complete the ZHAW biotechnology studies, will have to participate and pass the exam of the edX course "Cell cultivation techniques: An introduction" (https://www.edx. org/course/cell-cultivation-techniques-an-introduction). This will give you the theoretical basis for the summer school.

Venue:

ZHAW, Campus Grüental: www.zhaw.ch/lsfm/location

Social programme:

BBQ. House of Chocolate

Lab training

Small groups of 4 persons

Cultivation of CHO cells: Inoculum and IgG production in lab scale bioreactors

Cultivation of hMSCs in t-flasks and spinner flasks

Handling of insect cells and plant suspension cells

Novel applications of plant and animal cells focussing on food and food additives

Industry workshop

Latest developments in cell cultivation techniques

Study and research in Wädenswil: practically-oriented, creative, passionate and reflective

The ZHAW is one of the leading Swiss universities of applied sciences. The School of Life Sciences and Facility Management currently Our expertise in life sciences and facility management in the areas of the environment, food and health enables us to make a vital contribution to solving social challenges

Contact

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Cell Cultivation Technique

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Visit us:







