

HCEMM Spring School - 2025

Experimental and Bioinformatics Skills for Cancer Biology

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Date: 12-16 April 2025

Location: HCEMM
Incubator House

Time: 9:00 - 16:00

Venue: Szeged, Hungary

Deadline(s): 31 March
2025

Registration:

Closed

Contact: Mónika Domoki

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Overview

The HCEMM Spring School provides an integrated approach combining laboratory techniques and computational methods. Participants will explore molecular biology techniques such as 2D bacteria and human cell infection experiments, employing various immunostaining methods. These experiments are complemented by training in advanced image analysis using AI tools. The program also includes bioinformatic analysis of human and bacterial genomes, aiming to uncover the links between bacterial infections and cancer development.

Course aim

The HCEMM Spring School program is designed to equip participants with a comprehensive skill set for cancer biology research. It focuses on developing proficiency in molecular biology techniques and experimental design, enhancing bioinformatics capabilities for analyzing genomic and image data, and promoting a multidisciplinary understanding of the interplay between cancer biology and microbial roles. The HCEMM program emphasizes a multidisciplinary approach, exploring the complex connections between cancer biology and microbial influences, preparing participants to tackle intricate scientific challenges.

A hallmark of the HCEMM Spring School is its exceptional access to leading experts, including renowned professors and researchers. These interactions offer students invaluable insights and practical knowledge that extend beyond conventional classroom learning, enriching their educational experience and expanding their intellectual perspectives.

Target group

The program is designed for Bachelor's and Master's (or equivalent) students specializing in biology, medicine, mathematics, or related disciplines, enrolled at internationally recognized higher education institutions.

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