



The Abdus Salam
International Centre
for Theoretical Physics



IICII Hands-on School in Quantitative Biology

Description:

The IICII hands-on school, conducted in collaboration with ICGEB in Trieste and co-organized with IFOM and Institute Curie, focuses on Quantitative Biology. The school covers a broad range of biology topics, from genetics to physiology and ecology, attracting participants from different disciplines. Its goal is to foster interdisciplinary collaborations by exposing biology students to the power of mathematics and physics in making quantitative predictions, and students with a background in physics and applied math to quantitative experiments in biological systems.

The students, divided into groups, will be introduced to a specific biological problem, formalized and analyzed using mathematical theory. The students will perform experiments to collect data, analyze them and quantitatively test the predictions.

TOPICS:

- Quantitative Biology
- Bioinformatics
- Cell Physiology
- Experimental Evolution
- Ecology

SPEAKERS:

Marco Cosentino Lagomarsino, IFOM
Giannino Del Sal, ICGEB
Jacopo Grilli, ICTP
Gabriele Micali, Humanitas



9 - 20 September 2025



Trieste, Italy



**Deadline:
30 April 2025**

DIRECTORS:

Andrea Ciliberto, IFOM
Marco Cosentino Lagomarsino, IFOM
Giannino Del Sal, ICGEB
Jacopo Grilli, ICTP
Vittorio Venturi, ICGEB

LOCAL ORGANISER:

Jacopo Grilli, ICTP

FURTHER INFORMATION:

E-mail: smr4100@ictp.it

Web: <http://indico.ictp.it/event/10865/>

Female scientists are encouraged to apply.



GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

