

ORGANIZING COMMITTEE

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FEE and APPLICATION

EUR 150.- for academic participants and EUR 250.- for industry participants.

The fee covers course registration and materials (course e-book).

A **limited number of grants**, covering the registration fee are provided by ESACT and ACTIP. Applicants to the grants should indicate it in the course application, together with a motivation statement.

All applications should be sent until 15th of July.

Accepted applicants will be notified by of August 5th and should confirm and complete payment by September 12th.

REGISTRATION and CONTACT

Updated information will be available at ESACT website (www.esact.org)

Contact for registration:

Birgit Marckhgott
email: office@esact.org

AIM

This is an introductory course to Animal Cell Technology (ACT), providing an overview of the field, from the more basic aspects to the final application. It should be of interest to those starting their research activity in ACT, both from Academia and Companies. It is also of interest for those wishing an up-date of the state-of-the-art of ACT in a short course.

COURSE OUTLINE

After the interest received by the previous nine editions and the excellent feed-back from the attendants, the 11th edition of the ACT course will be organized by the ESACT (European Society of Animal Cell Technology). Considering the evolution of Covid19 pandemics, ESACT decided to move the Courses in 2021 to a virtual format from Monday, Sept 20th – to Friday, Sept 24th, 2021.

ESACT is presenting this activity as one more contribution to the community involved in the use of animal cells in Biotechnology and Biomedicine.

The course is planned in a five-day schedule to facilitate on-line follow-up while keeping the technical contents and the participation of experts from academia and industry. The courses will last from Monday to Friday and will have 4 hours of tuition every day. They times have been defined to allow people from different continents to follow them.

The course comprises lectures covering the main topics of Animal Cell Technology:

1. Cell line development
2. Cellular mechanisms
3. Omics analysis for systems biology of cells
4. Post-translational modifications
5. Bioreactor design
6. Bioreactor scale-up, scale-down, and single use bioreactors
7. Downstream processing
8. Integrated bioprocess for protein production
9. Integrated bioprocess for stem cells
10. Economical aspects of ACT bioprocesses
11. Industrial perspectives of ACT

The programme has slots dedicated to the preparation and presentation of case studies by participants and provides time for discussion with the lecturers.

LECTURERS

Confirmed lecturers include Hansjörg Hauser (HZI, Germany), Terry Papoutsakis (University Delaware, USA), Manuel Carrondo and Paula Alves (iBET, Portugal), Francesc Gòdia (UAB, Spain), Stefanos Grammatikos (UCB Pharma, Belgium) and Anne Tolstrup (AbtBioConsult, Hillerød, Denmark).

Other information can be found in www.esact.org.

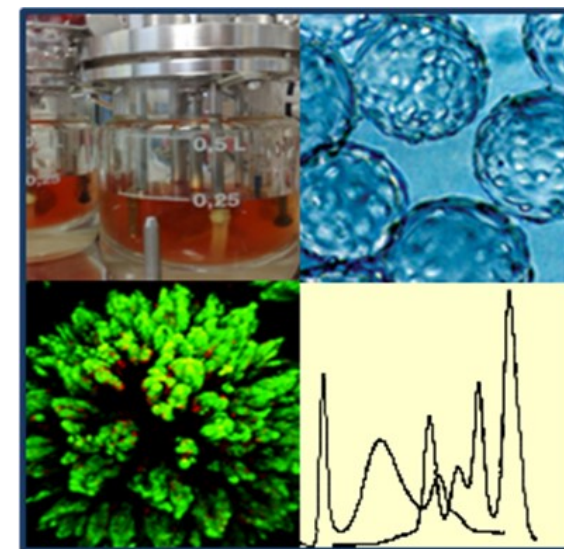


ANIMAL CELL TECHNOLOGY COURSE 2021

ELEVENTH EDITION

September 20th - 24th, 2021

Virtual Course



Photos: www.ibet.pt

Thanks to our sponsor of grants: **ACTIP**

PROGRAMME

11th ESACT ANIMAL CELL TECHNOLOGY COURSE

20th to 24th September 2021

	Monday Sep 20	Tuesday Sep 21	Wednesday Sep 22	Thursday Sep 23	Friday Sep 24
13.00 - 13.50	Introduction of Course Participants presentation F. Gòdia/P. Alves	Post-translational modifications E. Papoutsakis	Omics analysis for systems biology of cells N. Borth	Downstream processing (II) M. Carrondo	Integrated bioprocess for cell culture based vaccines P. Alves
	Break				
14.00 - 14.50	Cell line development H. Hauser	Bioreactor Design (I) F. Gòdia	Bioreactor Scale-Up and Scale- Down S. Grammatikos	Integrated bioprocess for protein production A. Tolstrup	Economical aspects of ACT bioprocesses A. Tolstrup
	Break				
15.00 - 15.50	Cellular mechanisms (I) E. Papoutsakis	Bioreactor Design (II) F. Gòdia	Downstream processing (I) M. Carrondo	Integrated bioprocess for stem cells P. Alves	Industrial perspectives of ACT A. Tolstrup
	Break				
16.00 - 16.40	Cellular mechanisms (II) E. Papoutsakis	Introduction/ Study case presentation S. Grammatikos	Study case/ progress discussion S. Grammatikos	Study case/ final discussion S. Grammatikos	Wrap-up session and Course closing

Course will be held live, all times are UTC+2 (CEST)