

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 31th of August. Accepted applicants will be notified by September 7th and should confirm and complete payment by September 15th.

REGISTRATION and CONTACT

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

Final registration deadline is August 31st, 2020.

Contact for registration:

Birgit Marckhgott
E-mail: 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 10th 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 2020 to a virtual format from Monday, Sept 21st – to Friday, Sept 25th, 2020.

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. The 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 (BPTC, USA). Other information can be found in www.esact.org.

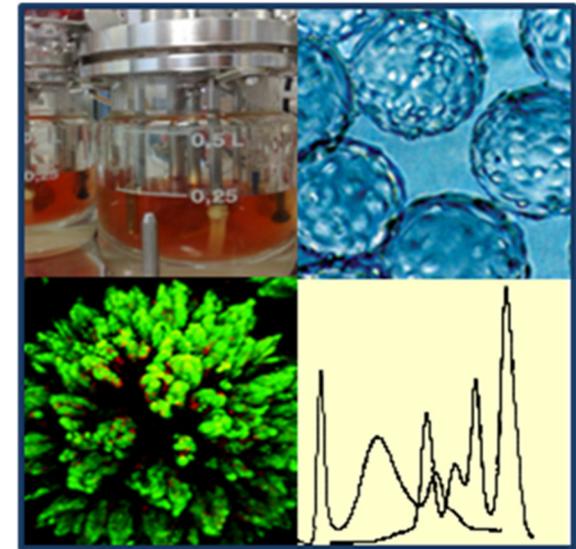


ANIMAL CELL TECHNOLOGY COURSE 2020

TENTH EDITION

September 21st - 25th, 2020

Virtual Course



Photos: www.ibet.pt

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

PROGRAMME (will be updated for virtual mode !)

Time	Sunday 20 th Sep	Monday 21 st Sep	Tuesday 22 nd Sep	Wednesday 23 rd Sep	Thursday 24 th Sep	
9.00 - 10.00	Arrival to Barcelona/ Girona airports and transfer to Hotel Terramar in Llafranc	Introduction of course participants presentation	Omics analysis for systems biology of cells (I) H. Hauser	Bioreactor scale-up and scale-down S. Grammatikos	Integrated bioprocess for protein production A. Tolstrup	
10.00 - 11.00		Overview Lecture M. Carrondo	Omics analysis for systems biology of cells (II) H. Hauser	Miniaturized and Single-Use Bioreactors S. Grammatikos	Integrated bioprocess for stem cells P. Alves	
Coffee break						
11.30 - 12.30		Cell line development (I) H. Hauser	Post-translational modifications (I) E. Papoutsakis	Downstream processing (I) M. Carrondo	Industrial perspectives of ACT A. Tolstrup	
12.30 - 13.30		Cell line development (II) H. Hauser	Post-translational modifications (II) E. Papoutsakis	Downstream processing (II) M. Carrondo	Wrap-up session	
Lunch and Free time						
15.30 - 16.30		Cellular mechanisms (I) E. Papoutsakis	Bioreactor Design (I) F. Gòdia	Integrated bioprocess for cell culture-based vaccines P. Alves	Course adjournment, hotel check-out and departure to Barcelona/Girona airports	
Coffee break						
17.15 - 18.15		Cellular mechanisms (II) E. Papoutsakis	Bioreactor Design (II) F. Gòdia	Economical aspects of ACT bioprocesses A. Tolstrup		
18.30 - 19.30		Introduction / Study case presentation S. Grammatikos	Study case / progress discussion	Study case / final discussion S. Grammatikos		
Free time						
20.30	Welcome and dinner	Dinner				



Testimonials of ACT Course Participants

"The organization of the course was excellent. The lecturers and all participants were cooperative, sensible and supportive. I enjoyed the course."

Robert Beck
Private researcher, Germany

"A very well organized and balanced course that enabled me to refresh some basic cell culture concepts and to learn about some of the latest innovations in the field, and all this in a very friendly atmosphere and a beautiful environment!"

Boris FESSLER
UCB Pharma, Belgium

"The ESACT course in Llafranc was a great opportunity to improve my knowledge in the Biotechnology area. The professors were very attentive and the structure of the course was very organized, providing us comfort and tranquility to enjoy the lectures."

Renata Alvim
Biotechnology technician, Brazil

"The leveling-board lies very high. I really want to thank ESACT and all the people involved in organizing that course, it was brilliant joining you."

Sebastian Schwamb
PhD Student, Germany

"I had the opportunity to improve my knowledge in the Biotechnology field. It was a great opportunity to interact with the most important researchers in this area. The professors always were very attentive and the lectures were excellent."

André Luís Inocencio
Master Student, Brazil

"I felt that the 2013 ESACT ACT course gave me much needed insight into several aspects of Bioprocess Engineering, and for me, as an academic researcher, the opportunity to interact with scientists and engineers working in industry was invaluable."

Steve George
Graduate Student, Canada