

ORGANIZING COMMITTEE

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FEE and APPLICATION

EUR 1000 for academic participants and EUR 1600 for industry participants.

The fee covers course registration and materials (course book), accommodation in two-bed rooms (shared with another participant), meals, transportation from/to Barcelona airport (see the time schedule for the bus below). **Participants have the possibility to be hosted in single room (limited to availability) at an extra cost of 125.- Euros to be paid directly in the hotel.**

A **limited number of grants**, covering the course fee (not travel cost), 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 before 15th of June. Accepted applicants will be notified by July 10th and should register and complete payment by August 15th.

REGISTRATION and CONTACT

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

Final registration deadline is August 15th, 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) in Llafranc, Costa Brava/Spain, from 20th – 24th September 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 an intensive four-day schedule with a number of participants limited to 30 in order to facilitate the interaction among them and with the lecturers. Lecturers will stay for most of the course duration. 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.

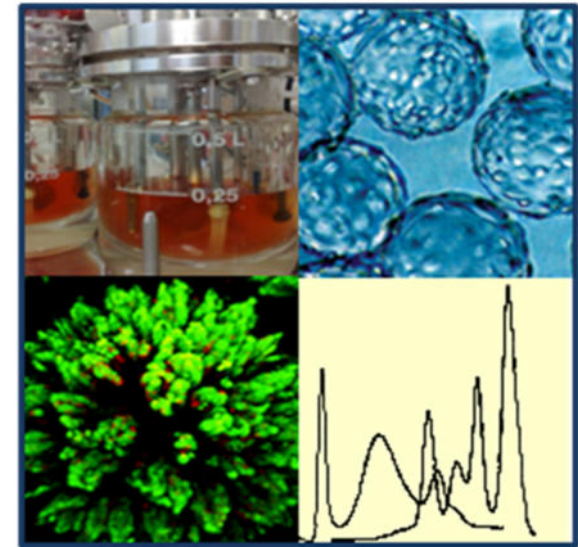


ANIMAL CELL TECHNOLOGY COURSE 2020

TENTH EDITION

September 20th - 24th, 2020

Llafranc, Costa Brava / Spain



Photos: www.ibet.pt

Other sponsors: **ACTIP**

PROGRAMME

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				



LOCATION AND TRAVEL INFORMATION

The course will be held in Hotel Terramar, a 3-star hotel (www.hterramar.com) in a small town named Llafranc in the heart of Costa Brava, Girona, Spain. The hotel is right on a very nice sandy beach, providing a cosy and relaxing atmosphere for the participants. Weather in Llafranc at this time of the year is generally pleasant. Travel organization to the meeting is of participants responsibility, ensuring their participation to the full course. Access by road from Girona airport (30 min) or Barcelona airport (90 min) is suggested. **IMPORTANT NOTE: ONE BUS will be leaving from Barcelona airport at 18h on Sunday 20th September to drive participants to Hotel Terramar at Llafranc. On Thursday 24th September, ONE BUS will be leaving from Hotel Terramar at 15h to drive participants to Barcelona airport. Participants should arrange their travelling accordingly or alternatively arrange for their transportation on their own.**



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