

ORGANIZING COMMITTEE

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FEE and APPLICATION

1,000 Euros for academic participants and 1,600 Euros for industry participants.

The fee covers course registration and materials (ebook), 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. Applicants to the grants should indicate it in the course application, together with a motivation statement. Priority will be given to young PhD students from Academia.

All applications should be sent before 15th of June. Accepted applicants will be notified until July 10th and should register and complete payment by August 15th.

AIM

ESACT (European Society for Animal Cell Technology) offers an introductory intensive course in cell culture produced viral vaccines to meet the needs of the rapidly expanding research and development in Academia and Industry in the field. This course introduces the basic principles of vaccination and manufacturing of viral vaccines. Also, the course will provide an overview of the advanced strategies to respond to the challenges of new and established viral infection diseases. The course has been designed to benefit those starting their research activity in this field, both from Academia, Industry or Public Health Agencies. It is also of interest for those wishing to up-date their knowledge and know-how in cell production of viral vaccines.

COURSE OUTLINE

1. Principles of immunology and virology
2. Cell lines for vaccines production
3. Upstream process development and intensification
4. Analytical and potency assays
5. Downstream processing of viral vaccines
6. Vaccine formulation and delivery systems
7. Equipment, QbD and PAT
8. Regulatory issues
9. Vaccine markets and immunization policies
10. Several case studies for vaccine development and manufacturing, presented by international experts

Insights from WHO and Bill and Melinda Gates Foundation.

LECTURERS

Amine Kamen (McGill, Canada), Leo van der Pol (IntraVac, The Netherlands), Jorge Flores (PATH, USA), Yvonne Genzel (MPI, Germany), Francesc Gòdia (UAB, Spain), Isabelle Knott (GSK, Belgium), Cristina Peixoto (iBET, Portugal), Emma Petiot (CPE-Lyon Engineer School, France), Erin Sparrow (WHO, Switzerland) and Ray Prasad (Bill and Melinda Gates Foundation, USA).

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

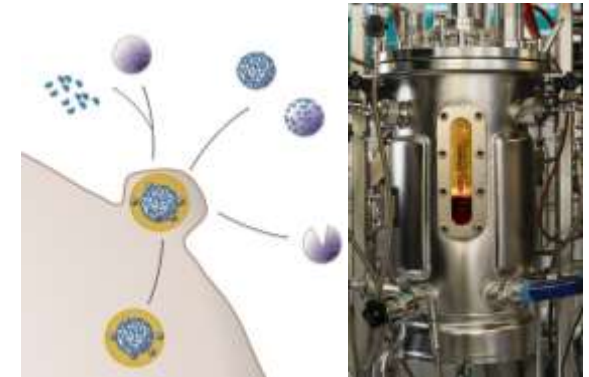


CELL CULTURE-BASED VIRAL VACCINES

FOURTH EDITION

September 29th – October 3rd, 2019

Llafranc, Costa Brava / Spain



Photos: Ehl & MPI, Magdeburg

With the contribution of:



PROGRAMME

	Sunday 29.09.	Monday 30.09.	Tuesday 1.10.	Wednesday 2.10.	Thursday 3.10.	
8.30 - 9.45	Arrival to Barcelona/Girona airports and transfer to Hotel Terramar in Llafranc Check-in Hotel	Introduction viral vaccines and course outlines A. Kamen, McGill	Upstream Process development Y. Genzel, MPI	Recombinant vaccines: VLPs F. Godia, UAB	Case study: Influenza vaccines: present and future Isabelle Legastelois, Sanofi-Pasteur	
10.15 - 11.30		Principles of virology and immunology E. Petiot, CPE-Lyon	Upstream Process Intensification Y. Genzel, MPI	Vaccine Formulation and Delivery Systems L. van der Pol, IntraVac	Novel Vaccination Modalities and Therapeutic Vaccines A. Kamen, McGill	
11.45 - 13.00		Immunology/Virology/Cell physiology for vaccine production E. Petiot, CPE-Lyon	Analytical and Potency assays E. Petiot, CPE-Lyon Engineer School	Case study: Cervarix vaccine: from baculovirus technology to first human vaccine I. Knott, GSK	Bill & Melinda Gates Foundation Program for Global Health R. Prasad, Senior advisor BMGF	
15.00 - 16.15		Cell lines for vaccine production I. Knott, GSK	Downstream Processing of Viral Vaccines C. Peixoto, IBET	QbD and PAT in vaccine development E. Petiot, CPE-Lyon	Course adjournment, hotel check-out and departure to airport	
Coffee break						
16.45 - 18.00		Case study: Polio vaccines L. van der Pol, IntraVac	Case study: Rotavirus Vaccines. Progress in HIV Vaccines J. Flores	Global Regulatory Compliance E. Sparrow, WHO		
18.15 - 19.30		Vaccine markets and immunization policies E. Sparrow, WHO	Workshop Y. Genzel, A. Kamen, C. Peixoto	Clinical Development J. Flores, PATH		
Free time						
21.00		Welcome and dinner	Dinner			



REGISTRATION

Registration deadline is August 15, 2018. The number of participants is limited to 30. Selection will be made based on CV of applicants and motivation letter. Updated information will be available at ESACT website (www.esact.org).

CONTACT

Contact for registration:

web: www.esact.org
 ESACT Office – Birgit Marckhgott
 E-mail: office@esact.org

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 arrangements are of participants responsibility, ensuring participation to the full course. Access by road to 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 29th September to drive participants to Hotel Terramar at Llafranc. On Thursday 3rd of October, 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 transportation on their own.**