

ORGANIZING COMMITTEE

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FEE

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

The fee covers accommodation, full meals, course registration and e-course book.

APPLICATION

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 July 10th 2022. Accepted applicants will be notified by July 20th and should register and complete payment by August 15th, 2022 at the latest

AIM

This is an introductory course to the discovery and development of novel therapeutics. The content is spanning from small molecular weight drugs to biologics, including cellular and gene therapeutic products.

The course will cover basic aspects of drug research and industrial applications, with a strong focus on the use of animal and human cell-based technologies. The content of this course is clearly separated from the other ESACT courses since it focuses on the discovery and pre-clinical development of new therapeutics without the inclusion of manufacturing/production. The course will be of interest to those considering starting research or development in drug discovery, both from academia and companies (lab managers, scientists, postdocs, PhD students and engineers). It is also of interest for those wishing an up-date on the state-of-the-art approaches of novel therapeutics in a short course.

COURSE OUTLINE

The course is planned in an intensive three-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 the entire course duration.

The course will touch the following aspects in blocks:

- 1 Overview: From disease to target**
- 2 Characteristics and main approaches to the development of drug types: Small molecular weight compounds, protein biologics, gene therapeutics, cell therapeutics**
- 3 Assay development: Biochemical assays, assay development using cells, organoids and animals**
- 4 Discovery of new small molecular weight drugs**
- 5 Preclinical development of cell and gene therapy products**
- 6 Outlook: Next steps towards clinics**

The program has also slots dedicated to presentations of case studies and discussion groups with the lecturers.

LECTURERS

Confirmed lecturers include Catarina Brito (IBET, Portugal), Hansjörg Hauser (HZI, Germany), Nikunj Somia, University of Minnesota, USA), Carsten Pieck (Merck, Germany), Heinz Ruffner (Novartis, Switzerland), Wolfgang Sommergruber (University of Applied Sciences, Austria).

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

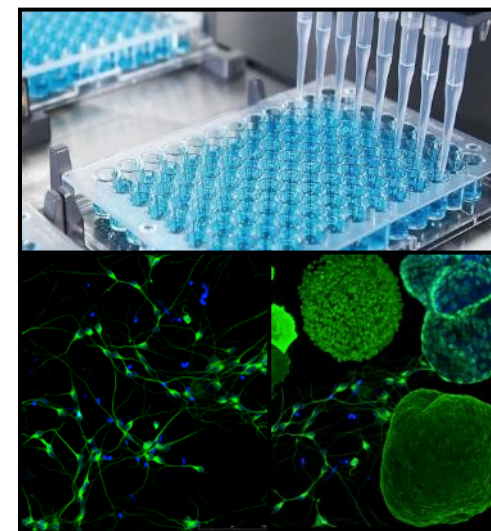


DISCOVERY AND DEVELOPMENT OF NOVEL THERAPEUTICS COURSE 2022

SIXTH EDITION

October 9th - 13th, 2022

Llafranc, Costa Brava / Spain



Photos: www.ibet.pt

With the contribution of:



UAB
Universitat Autònoma de Barcelona



HELMHOLTZ
CENTRE FOR
INFECTION RESEARCH

ACTIP

PROGRAMME

Time	Sunday 9 th Oct	Monday 10 th Oct	Tuesday 11 th Oct	Wednesday 12 th Oct	Thursday 13 th Oct
09h00 - 11h00	Arrival to Barcelona or Girona Airport	Overview: from disease to targets	Assay development: organoids	Assay development: target identification & validation	Outlook: Next steps towards clinics
		Characteristics and main approaches to the development of drug types	Discovery of new small molecular weight drugs	Cellular Assays & Animal Models	
		Coffee Break			Coffee & check-out
11h30 - 13h30	Transfer from the airport to Hotel Terramar in Llafranc	Development of Cell and Gene therapeutics	Assay development: stem cells.	Assay development: Biomarkers and surrogate endpoints	Course adjournment
			Preclinical development of gene therapeutics	Discovery of new small molecular weight drugs	
		Lunch & free time			Lunch Box & Departure to Barcelona/Girona Airport
16h00 - 18h00	Check-in at the hotel	Assay development: Engineering cells for drug screening and target validation	Assay development: Biochemical assays	Case studies: presentations/discussion	
		Preclinical development of cell therapeutics	Discovery of protein biologics		
		Coffee break			
18h30 - 19h30	Introduction	<i>Preparation of case study</i>	<i>Preparation of case study</i>	Case studies: Warp-up	
		Free time			
20h15	Dinner at Hotel Terramar				

Drug Development Course 2018 3rd edition



Llafranc, Costa Brava / Spain

REGISTRATION and CONTACT

Registration / Payment deadline is August 15th, 2022
Updated information will be available at ESACT website
www.esact.org

Contact for registration:
ESACT office
E-mail: office@esact.org