LOCATION AND TRAVEL INFORMATION

The course will be held in a three star hotel in a small town named Llafranch, in the heart of Costa Brava, Girona, Spain, providing a cousy and relaxing atmosphere for the attendees. The Hotel Terramar (www.hterramar.com) is right on a very nice sandy beach. The course is scheduled by early October, when the climate should be very pleasant, not too hot.

The organization of the trip to the meeting site is up to the participants.
Access from Barcelona Airport (90' by car) is suggested. Buses from the airport will be organized. Additional nights in the hotel should be directly booked by the participants.

FEE

The fee for students amounts to 700 Euros and includes full board, accommodation in two-bed rooms, excursion as well as transportation from/to Barcelona airport.

REGISTRATION

Relevant information is found under:
www. helmholtz-hzi.de/stemcells
Registration deadline is August 31, 2010

SECRETARY (CONTACT)

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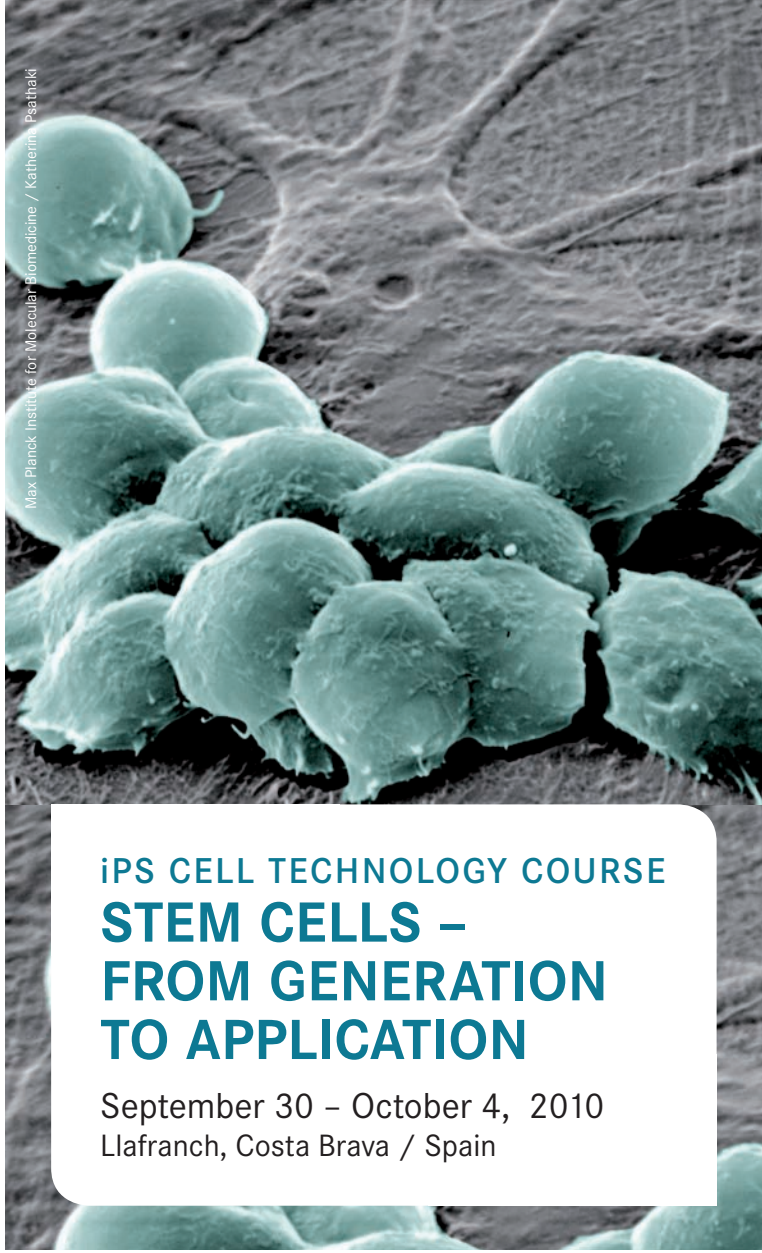

iPS CELL TECHNOLOGY COURSE

STEM CELLS – FROM GENERATION TO APPLICATION

September 30 – October 4, 2010
Llafranch, Costa Brava / Spain

ESACT
DECHEMA Biotechnologie
rebirth
UAB Universitat Autònoma de Barcelona
MHH Medizinische Hochschule Hannover
HELMHOLTZ ZENTRUM FÜR INFEKTIONSFORSCHUNG

AIM

Stem cell technologies are of high interest to basic research as well as to application in human health. While still new procedures to generate and isolate stem cells are developed the first clinical applications are carried out. The field of stem cell understanding and technology is in an ongoing transition phase from academic to application. This is an introductory course that should provide an overview of the field, from the basic aspects to the final application. It should be of interest to those starting their research activities, both from Academia or Companies. It is also of interest for those wishing an up-date of the state-of-the-art knowledge in a short course.

The course is organized by the European Society of Animal Cell Technology, (ESACT) an international leading platform for Animal Cell Technology, organizing every two years a well recognized Congress on this field. ESACT is presenting this new activity as one more contribution to the scientific and technological community involved in the use of animal cells in Biotechnology and Biomedicine. The course is further supported by the DFG funded excellence cluster REBIRTH that is established at the Medical School Hannover.

COURSE OUTLINES

The course is planned in an intensive four day schedule. It is limited to a maximum of 20 participants to facilitate the interaction among them and with the lecturers. Lecturers are supposed to stay for most of the course duration. The course comprises lectures covering key topics in this broad field as overview lectures. The programme demands for an active participation of the attendees in paper presentations and group discussions. Topics to be presented and discussed include

- Generation of iPS
- De-differentiation, differentiation and trans-differentiation
- Isolation of stem cells
- Properties and quality of cells
- Cultivation – small and large scale
- Bioreactors
- Regulatory aspects, GMP
- Patenting, business and career options
- Application areas: Human treatment and pharmacology

PROGRAMME

October 1

14:00 – 17:00	Registration / Check-in
18:00 – 19:30	Highlight lecture: Guillermo Guenechea Panel discussion
20:00 – open end	Dinner / Get together

October 1

09:00 – 09:45	Highlight lecture James Adjaye
09:45 – 13:00	6 talks (18'+7' discussion) of the participants and coffee break
13:00 – 14:30	Lunch break
14:30 – 16:30	Small groups for paper discussion
17:00	Excursion

October 2

09:00 – 09:45	Highlight lecture Robert Zweigerdt
09:45 – 13:00	6 talks (18'+7' discussion) of the participants and coffee break
13:00 – 14:30	Lunch break
14:30 – 16:30	Paper discussion in small groups
17:00 – 18:00	Paper presentation and group discussion I (Tobias Cantz)
18:30 – open end	Dinner Paper presentation and group discussion II (Tobias Cantz)

October 3

09:00 – 09:45	Highlight lecture Bernd Schröder
09:45 – 13:00	6 talks (18'+7' discussion) of the participants and coffee break
13:00 – 14:30	Lunch break
14:30 – 16:00	Perspective lecture Hildegard Flach
16:30 – 17:30	Workshop I Hansjörg Hauser: Patents
17:45 – 18:45	Workshop II Francesc Gòdia: Bioreactors
19:00 – open end	Dinner / Get together

October 4

09:00 – 11:30	2 talks of the participants Group discussions (chaired by the „experts") for discussing perspectives of the field/ project ideas/ new collaborations
11:30 – 12:00	Closing remarks
12:00 –	Lunch break and departure

LECTURERS

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