Participants

Participants may come from governmental agencies, academic institutions and industry all over Europe.
Due to the limited laboratory capacities the number of participants is restricted. Participants are requested to provide information on their level of laboratory training and expertise.

Registration

The registration fee is 400,--€. For students/junior scientists the fee is 200,--€. The registration fee includes a course book and all consumables and reagents necessary to perform the laboratory training courses.

Payment should be made by bank transfer to the following account:

Account	Hauptkasse der Freien Universität Berlin
Account No.	3901999303
Reference	**0421853102**
Bank name	Berliner Bank
Sorting code	10020000
IBAN	DE 93 100 200 00 3901 999 303
SWIFTCode	BEBEDEBB

Registration can be made via mail, email or fax to the address below. Deadline for registration will be April 20th.

Certificate

The vocational training is accredited by the Bundesapothekerkammer and will be certified with 24 points.

Objectives of the INVITROTRAIN project

The objectives of the INVITROTRAIN project under the European Regional Development Fund are the development, validation and demonstration of *in vitro* methods for chemical testing and prediction of toxicity. Education and training is the primary component of this project which aims for the dissemination of alternative (non-animal) methods and the enhancement of the link between scientists in the *in vitro* field and technology users. The courses are organised by the Institute of Pharmacy at the Freie Universität Berlin in cooperation with the German Federal Institute for Risk Assessment, BfR, Berlin.

Practical Training Courses

Training courses focus on validated methods, whereof some have gained regulatory acceptance. All *in vitro* methods are hands-on in laboratory exercise, the participants perform the tests and evaluate the results. The theoretical background of each test method is introduced and general aspects as the 3Rs concept, the validation process and prediction model are addressed. Seminars and practical training are based on OECD test guidelines and relevant Standard Operation Procedures. We aim to provide the attendees with sufficient experience, so that they may apply the techniques to their own needs.
For detailed information please visit our webpage:
http://userpage.fu-berlin.de/~invitrot/

Freie Universität Berlin

INVITROTRAIN

5th Practical Training Course on Alternative Test Methods

Reproductive Toxicology

Berlin

May 10th – 11th 2007

Organisation:
Prof. Dr. M. Schäfer-Korting
Prof. Dr. B. Kleuser
Dr. V. Kral

Institut für Pharmazie
Freie Universität Berlin, Deutschland
http://userpage.fu-berlin.de/~invitrot/

BfR Risiken erkennen – Gesundheit schützen

DIESES VORHABEN WIRD VON DER EUROPÄISCHEN UNION UND VOM LAND BERLIN KOFINANZIERT: Europäischer Fond für Regionale Entwicklung

EFRE

5th Practical Training Course: Reproductive Toxicology

The Freie Universität Berlin in cooperation with the German Federal Institute for Risk Assessment, BfR, Berlin, offers practical training on validated *in vitro* methods for the prediction of reproductive toxicity. The practical training focuses on the Embryonic Stem Cell Test (EST) for embryo toxicity testing.

Plenary Lectures

In the morning, lectures are given by experts in the field. Topics include an introduction to reproductive toxicology, the Embryonic Stem Cell Test according to the standard operation procedure as well as the use of molecular toxicity markers.

Practical Training

Afternoons are spent in the lab receiving hands-on instructions in the practical application of the lecture topics. This training is applicable for disciplines such as product safety, product development and mechanistic studies. The group size in the practical training is limited to provide the best quality of instructions.

Program

Thursday, May 10th		
09:00h - 11:30h	Welcome address	Prof. Dr. B. Kleuser (FU Berlin)
	Basics in reproductive toxicology	Prof. Dr. H. Spielmann (BfR)
	The embryonic stem cell test – principle approach and endpoints applied	Dr. A. Seiler (BfR)
11:30h	Lunch Break	
12:30h - 17:00h	Introduction in assay procedure	Dr. V. Kral (FU Berlin)
	Practical Training *Differentiation assay* Hanging drops (day 0) EB transfer to petri dish (day 3) EB transfer to 24 well plate (day 5) *Proliferation assay* 3T3 and D3 cell plating (day 0)	K. Manzer, B. Nieuwenhuis, S. Küchler, Dr. V. Kral (FU Berlin)
19:00h	Social Evening	

Friday, May 11th		
09:00h	Alternative methods, prediction model and validation	Dr. S. Schreiber (FU Berlin)
10:00h - 15:00h	**Practical Training** *Differentiation assay* Microscopic analysis of contracting cardiomyocytes (day 10) *Proliferation assay* Determination of cell growth inhibition by MTT (day 10)	K. Manzer, B. Nieuwenhuis, S. Küchler, Dr. V. Kral (FU Berlin)

Registration

Deadline for registration will be April 20th.

Name: _____

Affiliation: _____

Address: _____

_____

_____

Phone: _____

Fax: _____

E-Mail: _____

Level of laboratory training and expertise:

_____

_____

Date/signature:

_____

Please send the registration form by mail, fax or email to:

Dr. Vivian Kral
Institut für Pharmazie
Freie Universität Berlin
Königin-Luise-Str. 2+4
D-14195 Berlin
Deutschland

Phone: + 49 (0)30 838-53219/-53283
Fax: + 49 (0)30 838-54399
E-Mail: kral@zedat.fu-berlin.de