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 Fees

Course A: Topical Toxicity

The registration fee is 700,- €; for students/junior scientists 400,- €

(600,- € resp. 300,- € for early registration before September 14th).

Course B: Reproductive Toxicology

The registration fee is 500,- €; for students/junior scientists 300,- €

(400,- € resp. 200,- € for early registration before September 21st).

The registration fee includes a course book and all consumables and reagents necessary to perform the laboratory training courses.

Registration can be made via mail, email or fax to the address below.

Deadline for registration will be

Course A: October 10th.
Course B: October 17th

Certificate

The vocational trainings are accredited by the Bundesapothekerkammer.

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).

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

Practical Training Courses on Alternative Test Methods

Course A:

Topical Toxicity

October 29 – 31, 2008

Course B:

Reproductive Toxicology

November 06 – 07, 2008

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

Institut für Pharmazie
Freie Universität Berlin, Germany
www.invitrotrain.de

BfR Risiken erkennen – Gesundheit schützen

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

EFRE

The Freie Universität Berlin in Cooperation with the German Federal Institute for Risk Assessment (BfR, Berlin) offers practical training on *in vitro* methods.

Practical Training Courses

A. Topical Toxicity *in vitro*

Validated *in vitro* methods for the prediction of **skin irritation, phototoxicity** and **eye irritation**. The practical training focuses on the **Skin Irritation Test**, the **3T3 NRU Phototoxicity Test** and the **HET-CAM Test**.

B. Reproductive Toxicology *in vitro*

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

Lectures are given by experts in the field. Examples of topics include the 3Rs concept, skin models in hazard identification and alternative methods.

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.

Programme

Course A: Topical Toxicity

Lectures

Address of Welcome	Prof. B. Kleuser (FU Berlin)
Skin models in hazard identification	Prof. M. Schäfer-Korting (FU Berlin)
Skin irritation test and method performance standards	Dr. M. Liebsch (BfR)
3T3 NRU-Phototoxicity Test	Prof. H. Spielmann (BfR)
The 3R concept	Dr. Weindl (FU Berlin)
Introduction in assay procedures - Skin Irritation Test, 3T3-NRU-Phototoxicity Test, HET-CAM Test	Dr. V. Kral, S. Küchler, P. Schlupp (FU Berlin)

Practical Training

Skin Irritation Test	Test substance exposure
	Washing procedure
	Evaluation (MTT)
3T3 NRU Phototoxicity Test	Cell plating
	UV exposure
	NRU exposure, evaluation
HET-CAM Test	Egg preparation, test substance application
	Evaluation

Course B: Reproductive Toxicology

Lectures

Address of Welcome	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)
Alternative methods, prediction model and validation	Prof. M. Schäfer-Korting (FU Berlin)
EST- 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)
	Microscopic analysis of contracting cardiomyocytes (day 10)
Proliferation Assay	Cell plating
	Change of culture media
	MTT exposure
	Evaluation (Plate Reader)

Registration

Course A: ☐ Course B: ☐

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
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