

## 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 700,- €, for students/junior scientists 400,- € (600,- € resp. 300,- € for early registration before September 21<sup>st</sup>).

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
<b>Reference</b>	<b>0421853102</b>
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 October 26<sup>th</sup>.

## Certificate

The vocational training is 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, 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/>

## INVITROTRAIN

### 6<sup>th</sup> Practical Training Course on Alternative Test Methods Topical Toxicity

Berlin

Nov 28<sup>th</sup> – 30<sup>th</sup> 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/>

## 6<sup>th</sup> Practical Training Course Topical Toxicity *In Vitro*

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

### Plenary Lectures

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

### 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

Wednesday, Nov 28 <sup>th</sup>		
09:30h	Skin models in hazard identification Skin irritation test and method performance standards	Prof. M. Schäfer-Korting (FUB) Dr. M. Liebsch (BfR)
12:00h	Lunch Break	
13:00h	Introduction in assay procedure <i>Skin irritation</i>	Dr. V. Kral (FU B)
14:00h	<b>Practical Training</b> <i>Skin irritation (exposure)</i>	K. Manzer, P. Schlupp, B. Nieuwenhuis, V. Kral
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17:00h	<i>Phototoxicity test</i> (cell plating)	
19:30h	Social Evening	
Thursday, Nov 29 <sup>th</sup>		
09:00h	Introduction in assay procedure <i>HET-CAM Test</i> Introduction in assay procedure <i>3T3 NRU phototoxicity test</i>	Sarah Küchler (FU B) Dr. V. Kral (FU B)
11:00h	<b>Practical Training</b> <i>Phototoxicity test</i> (UV exposure)	K. Manzer, B. Nieuwenhuis, V. Kral
12:00h	Lunch Break	
13:00h	<b>Practical Training</b> <i>HET-CAM Test</i>	S. Küchler, K. Manzer, V. Kral
Friday, Nov 30 <sup>th</sup>		
09:00h	<b>Practical Training</b> <i>Skin irritation</i> (MTT) <i>Phototoxicity test</i> (NRU exposure)	K. Manzer, P. Schlupp, B. Nieuwenhuis, V. Kral
11:00h	The 3Rs concept	Prof. B. Kleuser (FU B)
12:00h	Lunch Break	
13:00h	<b>Practical Training</b> <i>Phototoxicity test</i> (evaluation) <i>Skin irritation</i> (desorb)	K. Manzer, V. Kral
14:00h	Statistics: Introduction Discussion	PD Dr. C. Müller-Graf (BfR) Dr. M. Liebsch (BfR)
16:00h	<i>Skin irritation</i> (evaluation)	K. Manzer, V. Kral

## Registration

Deadline for registration will be Oct 26<sup>th</sup>.

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

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Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Level of laboratory training and expertise:

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\_\_\_\_\_

Date/signature: \_\_\_\_\_

\_\_\_\_\_

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

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D-14195 Berlin  
Deutschland

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E-Mail: [kral@zedat.fu-berlin.de](mailto:kral@zedat.fu-berlin.de)