

Technology Day

New scientific impulses towards 3R Alternatives – Methods to replace, reduce and refine animal use

Stimulating research collaborations between industry and university



Vrije
Universiteit
Brussel



Universitair
Ziekenhuis
Brussel

Thursday September 18th, 2008

At the VUB campus Jette, Faculty of Pharmacy and Medicine,
Building A, Laarbeeklaan 103, 1090 Brussels

New scientific impulses towards animal testing alternatives

Pharmaceutical and biotech industries are largely dependent upon animal studies for predicting human toxicity and efficacy of pharmaceuticals.

In order to be compliant with European and international safety standards, also the cosmetic, chemical and food industries are massively investing in technologies that can refine existing tests by minimizing animal distress, reducing animal usage, or replacing whole animal tests – according to the so-called **3R**-principle.

As animal testing is costly in both societal and economic terms, there is a great deal of academic research on finding viable and effective alternatives.

Too often however, valuable technologies and ideas, although not always developed for that purpose, are lost for innovative developments. That's why VUB's **Technology Transfer Interface** identified the 3R-principle as a constructive framework for new collaborations to emerge ...

That's why we are inviting you to participate in this matchmaking event: a great networking opportunity to listen and learn about new developments and state of the art research at VUB's faculties of Science, Medicine & Pharmacy and University Hospital.

A program overview is available at the back of this card, and you can visit our website to find out more about research and business opportunities.

Don't miss out, refresh your know-how and expertise, and who knows, maybe the Vrije Universiteit Brussel becomes your next research partner?

Looking forward to meeting you in September,

with kind regards,
the Technology Transfer Interface

Registration & more info

More info on our website www.vub.ac.be/technologytransfer

Participation is free of charge, but registration is absolutely required.

You can register by sending this fax form to +32 (0)2 629 36 40 or by sending an email to sara.engelen@vub.ac.be with the requested data.

First & Last Name:

Function:

Organisation:

Dept:

Email:

Telephone:

Street & nr:

Code & City:

You will receive confirmation and more practical details as soon as your registration is processed.

Vrije Universiteit Brussel's Technology Transfer Interface
invites you to participate in:

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09.45: Registration & Coffee

- 10.15:** Welcome & introduction by *Prof. Jan Cornelis*, Vice-rector Research VUB
- 10.30:** The use of microdialysis in drug discovery & development by *Prof. Ilse Smolders*, Department of Pharmaceutical Chemistry, Drug Analysis and Drug Information, VUB
- 10.45:** Small animal molecular imaging in preclinical research by *Prof. Tony Lahoutte*, Department of Nuclear Medicine, UZ Brussel

11.00: Coffee break

- 11.15:** Stabilisation of functional hepatocytes in culture by epigenetic modification(s) by *Prof. Tamara Vanhaecke*, Department of Toxicology, Dermato-Cosmetology and Pharmacognosy, VUB
- 11.30:** Use of in vitro systems to develop antifibrogenic drugs by *Prof. Albert Geerts*, Department of Cell Biology & Histology, VUB
- 11.45:** Production of functional hepatocytes by mimicking the liver embryogenesis in vivo: an innovative in vitro technology by *Dr. Sarah Snykers*, Department of Toxicology, Dermato-Cosmetology and Pharmacognosy, VUB
- 12.00:** Round table and question time moderated by *Prof. Vera Rogiers*, Chairperson of *ecopa*, Department of Toxicology, Dermato-Cosmetology and Pharmacognosy, VUB, and *Dr. Bernward Garthoff*, Co-chair of *epaa*, Crop Protection and Bioscience, Bayer AG

12.30: Walking Lunch

- 14.00:** Human embryonic stem cells: possible uses and ongoing research at the VUB by *Prof. Karen Sermon*, Department of Embryology and Genetics, VUB
- 14.15:** Predicting effects of endocrine disruptors on the ovary and the oocyte by the in vitro approach by *Drs Sandy Lenie*, Centre for Reproductive Medicine, UZ Brussel
- 14.30:** Human gametes and embryos: balance between research and respect by *Prof. Josiane Van der Elst*, Centre for Reproductive Medicine, UZ Brussel

14.45: Coffee break

- 15.00:** In vitro cell culture assays for screening of potential Antipicornavirus compounds by *Prof. Bart Rombaut*, Department of Pharmaceutical Biotechnology and Molecular Biology, VUB
- 15.15:** Alternative host models to investigate the pathogenicity and virulence of the opportunistic pathogen *Pseudomonas Aeruginosa* by *Prof. Pierre Cornelis*, Department of Microbial Interactions, VUB
- 15.30:** Chromatographic and chemometric approaches to evaluate and predict membrane passage of drug molecules by *Prof. Yvan Vander Heyden*, Department of Analytical Chemistry and Pharmaceutical Technology, VUB
- 15.45:** Round table and question time moderated by *Prof. Vera Rogiers*, Chairperson of *ecopa*, Department of Toxicology, Dermato-Cosmetology and Pharmacognosy, VUB and *Dr. Philippe Vanparys*, Managing Director of CARDAM (VITO, Belgium)

16.15: Reception & networking



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