

3Rs Symposium on Safety Testing of Biological Products

12 November 2013, 11:00 – 17:00

Lecture Hall of the Paul-Ehrlich-Institut, Langen

Programme:

10:00 - 11:00 Registration and Coffee

11:00 **Welcome**

11:05 **Opening lectures**

Neue Aufgaben des Bundesinstituts für Risikobewertung beim Vollzug des
Tierschutzgesetzes

Barbara Grune, BfR-ZEBET, Berlin

The European Partnership for Alternative Approaches to Animal Testing: a new
partner in 3R approaches for animal testing in vaccine quality control

Coenraad Hendriksen, Utrecht University

Abnormal toxicity testing – The historical roots of the oldest safety test for biological
medicines

Klaus Cussler, PEI, Langen

12:20 **Refinement**

Trained to be humane in animal testing

Coenraad Hendriksen, Utrecht University

Infra-red thermal imaging: Prospects for Refinement and Reduction

Andreas Hoffmann, PEI, Langen

13:10 Lunch break

13:50 **Safety testing of vaccines**

The BINACLE (binding and cleavage) assay for in vitro detection of toxicity in tetanus toxoids

Heike Behrendorf-Nicol, PEI, Langen

Alternatives to HIST assay for detection of residual pertussis toxin and to pyrogen testing

Ingo Spreizer, PEI, Langen

Safety testing of veterinary vaccines using magnetic resonance imaging - a way to reduce animal numbers

Maren Bernau, Lehr- und Versuchsgut Oberschleißheim, Munich University

15:10 Coffee break

15:30 **3R aspects of diagnostics**

In vitro production of *Trypanosoma equiperdum* antigen

Björn Bassarak, Friedrich-Loeffler-Institut, Jena

Alternatives in tuberculin testing

Protein profiling of tuberculins

Elisabeth Balks, PEI, Langen

A T cell based *in vitro* potency assay for tuberculins

Max Bastian, PEI, Langen

16:50 Closing of the Symposium

17:00 End of the Meeting