



Online-Seminar on

„Alternatives to animal use in research and education – Refine, Reduce & Replace“

How to participate in the Online-Seminar? Participation is free of charge Online-Seminar. You can join us either online or in the lecture hall (see below):

- 1) Watch the Online-Seminar **online:** webconf.vc.dfn.de/alternativmethoden. The chat function allows you to contribute to the discussion.
- 2) Come to ~~Freie Universität Berlin~~ **Freie Universität Berlin** where the Online-Seminar takes place:
 Fachbereich Biologie, Chemie, Pharmazie, Institut für Pharmazie
 Königin-Luise-Str. 2+4, 14195 Berlin
Seminarraum 1

If you join us in the lecture hall, please contact Katharina Hohlbaum (katharina.hohlbaum@fu-berlin.de) for registration.

Additional information for veterinarians: The Online-Seminar will be accredited by ATF (Akademie für tierärztliche Fortbildung), if you are personally present in the lecture hall.

Timetable: The Online-Seminar takes place at Thursday from 14.30 – 16.00 h.

Introduction of 1 st speaker	14.30 – 14:35 h
1 st presentation	14:35 – 15:05 h
Discussion	15:05 – 15:15 h
Introduction of 2 nd speaker	15:15 – 15:20 h
2 nd presentation	15:20 – 15:50 h
Discussion	15:50 – 16:00 h

Date	Topic	Speaker	Language
18.10.2018	Ethik und Recht (Ethic and Law)	Moderation: Prof. Dr. Christa Thöne-Reineke (FU Berlin)	
1	Die rechtliche Einordnung von Tierversuchen	Justyna Chmielewska (BfR)	German
2	Ethische Abwägung von Tierversuchen	Prof. Dr. Julia Dietrich (FU Berlin)	
25.10.2018	Databases on animal testing and alternatives to animal testing	Moderation: Prof. Dr. Johanna Plendl (FU Berlin)	
1	Literature searches for alternatives to animal experiments	Dr. Barbara Grune (BfR)	English
2	Meta-analysis of nontechnical project summaries identifies research areas for 3R development	PD Dr. Bettina Bert (BfR)	
1.11.2018	Alternatives to animal use in education	Moderation: Dr. Mechthild Ladwig-Wiegard (FU Berlin)	
1	Alternative methods as substitute and supplementary methods to animal experiments in education and training as applied 3R measures	Dr. Mechthild Ladwig-Wiegard (FU Berlin)	English
2	Can we apply 3R-principles to interventional radiology training and research	PD Dr. Michael Scheel (Charité)	

8.11.2018	Refinement strategies for laboratory rodents <i>Moderation: Dr. Annemarie Lang (Charité)</i>		
1	Clicker training for laboratory mice	Dr. Charlotte Leidinger (Johannes Gutenberg-Universität Mainz)	English
2	Pain management in laboratory rodents	Dr. Paulin Jirkof (UZH)	
15.11.2018	Alternative methods for musculoskeletal disorders and alternative skin models <i>Moderation: Prof. Dr. Monika Schäfer-Korting (FU Berlin)</i>		
1	Modelling of musculoskeletal disorders in vitro - with complex processes to convincing systems	Alexandra Damerou & Moritz Pfeiffenberger (Charité)	English
2	Organotypic skin models for improved preclinical drug development	Dr. Christian Zoschke (FU Berlin)	
22.11.2018	Human-on-chip and 3D bioprinting <i>Moderation: Prof. Dr. Wolfgang Bäumer (FU Berlin)</i>		
1	Biology-inspired microphysiological systems (organs-on-a-chips) – status quo and future perspectives	Isabel Rüttschle, M.Sc. (TissUse GmbH)	English
2	3D bioprinting of organ models	Prof. Dr. Jens Kurreck (TU Berlin)	
29.11.2018	In vitro and in silico methods <i>Moderation: Prof. Dr. Christa Thöne-Reineke (FU Berlin)</i>		
1	Alternative methods for potency testing of botulinum neurotoxins	Prof. Bettina Seeger, PhD (TiHo Hannover)	English
2	Computer modelling of skin penetration	Dmitri Stepanov (FU Berlin)	
6.12.2018	Animal-based severity assessment <i>Moderation: Prof. Dr. Christa Thöne-Reineke (FU Berlin)</i>		
1	Systematic assessment of well-being in mice for procedures using general anesthesia	Katharina Hohlbaum (FU Berlin)	English
2	Behavioral phenotyping – refinement strategies	Prof. Dr. Lars Lewejohann (BfR, FU Berlin)	