

3R Online-Seminar „Alternatives to animal use in research and education – Refine, Reduce & Replace“

Winter semester 22/23

How can you participate in the seminar?

The entire seminar will take place **online via Webex**. Participation is **free of charge**. Please register via the following link on our homepage:

https://www.vetmed.fu-berlin.de/einrichtungen/institute/we11/studium-und-lehre/fort_und_weiterbildung/webinar-3R/index.html

You can **register for the entire series** of lectures or only for **individual dates**.

You will receive the **access data** for the respective Webex meeting (one separate event per date) **by e-mail shortly before the start of the online seminar**. Please do not forward the Webex link to third parties. Third parties will not receive a certificate of participation as a pre-registration has not taken place.

For further questions, please contact Ms. Angelique Wolter: a.wolter@fu-berlin.de

Information for veterinarians:

The online seminar will be **recognized with a total of 16 hours (2 hours per date)** according to § 10 of the ATF statutes by the Academy for Veterinary Continuing Education (ATF).

Please contact us by e-mail after your last attended event and inform us in which sessions you have participated. The confirmation of the ATF hours will be sent to you shortly afterwards.

Schedule:

The online seminar will be held **every Thursday** from **20th October 2022** to **8th December 2022** from **3:00 pm to 4:30 pm** (CEST/CET).

Introductory presentation 1st lecture	3.00 - 3:05 pm
1st lecture	3:05 - 3:35 pm
Discussion	3:35 - 3:45 pm
Introductory presentation 2nd lecture	3:45 - 3:50 pm
2nd lecture	3:50 - 4:20 pm
Discussion	4:20 - 4:30 pm

The language of the seminar series is **English**. Participation is **free of charge** but registration is needed.



Freie Universität Berlin
Institute of Animal Welfare, Animal Behavior,
and Laboratory Animal Science



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Datum / Date	Thema / Topic	Dozent/-in / Speaker
20.10.2022	Ethics and Law	
	Moderation: Prof. Dr. Christa Thöne-Reineke (FU Berlin)	
1	Legal classification of animal testing: The implementation of the Laboratory Animals Directive 2010/63/EU into German law	Ass. iur. Tobias Wagenknecht (Bundesinstitut für Risikobewertung)
2	Ethical justification of animal experimentation	AOR Dr. Julia Dietrich (FU Berlin)
27.10.2022	Education and Training	
	Moderation: Dr. Mechthild Wiegard (FU Berlin)	
1	Neurosurgical simulator	PD Dr. David Bervini (Universitätsspital Bern)
2	Multimodal approaches for the implementation of the 3R principles in education and training	Mag. med. vet. Leonie Tix, M. Sc. (RWTH Aachen)
03.11.2022	Reduction and Replacement	
	Moderation: Prof. Dr. Burkhard Kleuser (FU Berlin)	
1	Research on the animal for the animal for diseases that are original to certain species, e.g., arthritis	Moritz Pfeiffenberger, PhD (Charité Universitätsmedizin Berlin)
2	SMAFIRA 1.0: an online tool to retrieve candidate alternatives from the literature	Daniel Butzke, PhD (Bundesinstitut für Risikobewertung)
10.11.2022	Research Quality Assurance and Transferability	
	Moderation: Prof. Dr. Christa Thöne-Reineke (FU Berlin)	
1	Einstein Center 3R – a Berlin wide initiative	Prof. Dr. Stefan Hippenstiel (Charité-Universitätsmedizin Berlin)
2	Cross-species comparability and validity of hamster models of COVID-19	Prof. Dr. Achim D. Gruber (FU Berlin), Dr. Li-Ling Yang (Charité-Universitätsmedizin Berlin)



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17.11.2022		Replacement
Moderation: Prof. Dr. Lars Lewejohann (FU Berlin/ Bundesinstitut für Risikobewertung)		
1	3D bioprinting of humanized organ models	Prof. Dr. Jens Kurreck (TU Berlin)
2	Human neuromuscular organoids for personalized medicine approaches	Mina Gouti, PhD (Max-Delbrück-Centrum)
24.11.2022		Reduction and Refinement
Moderation: Prof. Dr. Benedikt Kaufer (FU Berlin)		
1	Refinement and Reduction: Nanobodies from Alpacas	Dr. Ulrike Teichmann (Max-Planck-Institut für Multidisziplinäre Naturwissenschaften)
2	Opportunities for refinement in animal studies with sheep	Dr. Mechthild Wiegand (FU Berlin)
01.12.2022		Reduction and Replacement
Moderation: Prof. Dr. Wolfgang Bäumer (FU Berlin)		
1	How can alternatives to animal testing bring benefit to chemical industry	Dr. Barbara Birk (BASF SE)
2	Replacement methods for the diagnostics of botulinum neurotoxins: Challenges and recent progress	Dr. Brigitte Dorner (Robert Koch-Institut)
08.12.2022		Replacement
Moderation: PD Dr. Michael Beekes (Robert Koch-Institut)		
1	Engineering human heart tissue	Pragati Parakkat (Max-Delbrück-Centrum)
2	Bone-on-a-chip	Dr. Frank Schulze (Bundesinstitut für Risikobewertung)

