



## **BB3R Spring School 2020 – *Ethical and legal aspects of animal experimentation and 3R approaches***

The BB3R Spring Schools are part of the mandatory course program on alternative test methods to animal experimentation within the graduate program BB3R.

This year the VI. BB3R Spring School is organized by the Freie Universität Berlin and takes place in Berlin Dahlem. The seminars are open to PhD students and Postdocs working in the field of 3R and to interested scientists.

**Date**            **March 18 – March 20, 2020**

**Venue**            **Freie Universität Berlin  
Institut für Pharmazie  
Königin-Luise-Str. 2+4  
14195 Berlin**

**Registration**   **Participation is free of charge, but registration is needed (number of participants is limited).**

**Please register until March 5<sup>th</sup>, 2020 by sending an email (indicating your full name and institutional address) to:**

[vivian.kral@fu-berlin.de](mailto:vivian.kral@fu-berlin.de)

The language of the Spring School is English. The recognition of education credits is being requested (Apothekerkammer Berlin and ATF).

[www.bb3r.de](http://www.bb3r.de)



## Program

<b>Day 1</b> <i>Wednesday</i> <i>March 18, 2020</i>	<b><i>Ethical and legal Aspects</i></b> <i>Prof. Dr. Monika Schäfer-Korting</i> <i>Seminar room 2</i>
10:15 a.m. – 10:30 a.m.	<b>Welcome address</b> <i>Monika Schäfer-Korting and Christa Thöne-Reineke</i>
10:30 a.m. – 11:15 a.m.	<b>Meta-analysis of nontechnical project summaries identifies research areas for 3R development</b> <i>Philipp Schwedhelm</i>
11:30 a.m.– 12:15 a.m.	<b>Modelling Non-Animal Models for Prediction of Chemical Toxicity</b> <i>Priyanka Banerjee</i>
12:15 a.m. – 1:45 p.m.	<b>Lunch Break + Poster Session</b>
1:45 p.m. – 2:30 p.m.	<b>Perspective of § 15 TierSchG animal protection commission</b> <i>Christa Thöne-Reineke</i>
2:30 p.m.– 3:15 p.m.	<b>Perspective of animal welfare officer</b> <i>Kristina Ullmann</i>
3:15 p.m. – 4:00 p.m.	<b>Ethical perspectives</b> <i>Julia Dietrich</i>
4:00 p.m. – 4:30 p.m.	<i>Discussion / Summary of the day</i>

<b>Day 2</b> <i>Thursday</i> <i>March 19, 2020</i>	<b><i>Legal Aspects and 3R Approaches in Research</i></b> <i>Prof. Dr. Monika Schäfer-Korting, Prof. Dr. Horst Spielmann</i> <i>Seminar room 2</i>
9:30 a.m.– 10:15 a.m.	<b>Perspektive der zuständigen Behörde</b> <i>Johanna Hössler</i>
10:15 a.m.– 11:00 a.m.	<b>Botulinum neurotoxins: New findings on receptor binding and how they translate into innovative detection approaches</b> <i>Brigitte Dorner</i>
11:00 a.m. – 11:15 a.m.	<i>Coffee break</i>
11:15 a.m. – 12:00 a.m.	<b>3D Bioprinting models – lung infections</b> <i>Jens Kurreck</i>
12:00 a.m. – 12:45 a.m.	<b>HUMIMIC technology: a novel approach to predictive substance testing</b> <i>Thi-Phuong Tao</i>
12:45 a.m. – 2:15 p.m.	<i>Lunch Break + Poster Session</i>
2:15 p.m. – 3:00 p.m.	<b>Patient-derived organoids: an advanced animal-free preclinical model for head and neck cancer</b> <i>Ingeborg Tinhofer-Keilholz</i>
3:00 p.m. – 3:45 p.m.	<b>Non-healing skin wound model containing macrophages</b> <i>Priscila Schilrreff</i>
3:45 p.m. – 4:00 p.m.	<i>Discussion / Summary of the day</i>



<b>Day 3</b> <i>Friday</i> <i>March 20, 2020</i>	<b>3R Approaches in Research</b> <i>Prof. Dr. Monika Schäfer-Korting</i> <i>Seminar room 2</i>
9:30 a.m. – 10:15 a.m.	<b>3R approaches in preclinical safety – the industry perspective</b> <i>Thomas Steger-Hartmann</i>
10:15 a.m. – 11:00 a.m.	<b>Single cell genomics</b> <i>Malte Spielmann</i>
11:00 a.m. – 11:15 a.m.	<i>Coffee break</i>
11:15 a.m. – 12:00 a.m.	<b>Cancer stem cells from TNBC: from basic research to clinical cancer therapy</b> <i>Jochen Maurer</i>
12:00 a.m. – 1:30 p.m.	<b>Lunch Break + Poster Session + Poster Awards</b>
1:30 p.m. – 2:15 p.m.	<b>Tumor heterogeneity and drug resistance in melanoma</b> <i>Silvia Stuchi Maria-Engler</i>
2:15 p.m. – 3:00 p.m.	<b>In vitro skin sensitization</b> <i>Guy Yealland</i>
3:00 p.m. – 3.15 p.m.	<i>Discussion and closing remarks</i> <i>Monika Schäfer-Korting</i>
3:15 p.m. – <i>(Garden closing 8 p.m.)</i>	<b>Visit Botanical Garden Berlin</b> Guided tour with Dr. Stefan Böttger: 3:15 p.m. – 4:00 p.m.

Speakers	
<p><b>Dr. Priyanka Banerjee</b> Institute of Physiology Charité - Universitätsmedizin Berlin</p>	<p><b>Dr. Julia Dietrich</b> Institut für Philosophie Freie Universität Berlin</p>
<p><b>Dr. Brigitte G. Dorner</b> Centre for Biological Threats and Special Pathogens Robert Koch-Institut</p>	<p><b>Johanna Hössler</b> Landesamt für Gesundheit und Soziales (LAGeSo)</p>
<p><b>Prof. Dr. Jens Kurreck</b> Technische Universität Berlin Institute of Biotechnology Department of Applied Biochemistry</p>	<p><b>Dr. Jochen Maurer</b> Klinik für Gynäkologie und Geburtsmedizin Uniklinik RWTH Aachen</p>
<p><b>Prof. Dr. Monika Schäfer-Korting</b> Institut für Pharmazie Freie Universität Berlin</p>	<p><b>Dr. Priscila Schilrreff</b> Nanomedicine Research and Development Center Quilmes National University Argentina</p>
<p><b>Dr. Philipp Schwedhelm</b> Bundesinstitut für Risikobewertung Experimentelle Toxikologie und ZEBET</p>	<p><b>Prof. Dr. Horst Spielmann</b> Institut für Pharmazie Freie Universität Berlin</p>
<p><b>PD Dr. Malte Spielmann</b> Institut für Medizinische Genetik Charité - Universitätsmedizin Berlin</p>	<p><b>Dr. Thomas Steger-Hartmann</b> Research &amp; Development, Pharmaceuticals Investigational Toxicology</p>
<p><b>Prof. Silvy Stuchi Maria-Engler</b> School of Pharmaceutical Sciences University of São Paulo Brazil</p>	<p><b>Prof. Dr. Christa Thöne-Reineke</b> Institute of Animal Welfare, Animal Behavior and Laboratory Animal Science Freie Universität Berlin</p>
<p><b>Thi-Phuong Tao</b> TissUse GmbH</p>	<p><b>Prof. Dr. Ingeborg Tinhofer-Keilholz</b> Klinik für Radioonkologie und Strahlentherapie Charité - Universitätsmedizin Berlin</p>
<p><b>Dr. Kristina Ullmann</b> Forschungseinrichtung für experimentelle Medizin (FEM) Center for Cardiovascular Research (CCR) - Universitätsmedizin Berlin</p>	<p><b>Dr. Guy Yealland</b> University of Potsdam Institute of Nutritional Science Department for Nutrition Toxicology</p>