



Recent 3Rs relevant projects

SALMHEARTCELL (2020-2023) funded by the German Federal Ministry of Education and Research
[Development and use of primary and permanent salmonid heart cultures for detection and replication of piscine orthoreoviruses](#)

Dr. Mikolaj Adamek, Institute for Parasitology, Fish Disease Research Unit

3R SMART (2018-2021) funded by the German Federal Ministry of Education and Research
[Information and training platform on alternative and complementary methods to animal experiments](#)

Prof. Dr. Bernhard Hiebl, Institute for Animal Hygiene, Animal Welfare and Farm Animal Behaviour



R2N (2017-2021) funded by the Ministry of Science and Culture of Lower Saxony

[A2 Development of an in vitro-model for the investigation of pathogenicity mechanisms of gut diseases caused by zoonotic pathogens](#)

Prof. Dr. Gerhard Breves, Institute for Physiology and Cell Biology

Prof. Bettina Seeger, Ph.D., Institute for Food Toxicology



[T1 The Niedersachsen Live-Tissue and primary cell Bio-Bank \(NLTB\)](#)

Prof. Dr. Wolfgang Baumgärtner, Institute for Pathology

[T2 In vitro and ex vivo characterization of newly discovered and emerging respiratory viruses of humans and animals \(R2Viral\)](#)

Prof. Dr. Albert Osterhaus, RIZ Research Center for Emerging Infections and Zoonoses

[de/kliniken-institute/zentren/ersatz-und-ergaenzungsmethoden/forschung/immunantwort-gegen-bakterielle-infektionen/ T3 In vitro and ex vivo characterization of bacterial infections of humans and animals \(R2Microbial\)](#)

Prof. Dr. Maren von Köckritz-Blickwede, Department of Physiological Chemistry and RIZ Research Center for Emerging Infections and Zoonoses

MoNLightBoNT-Assay (2017-2020) funded by the German Federal Ministry of Education and Research
[Development of an assay to determine the activity of botulinum toxin based on transgenic human stem cells differentiated into motor neurons](#)

Prof. Bettina Seeger, Ph.D., Institute for Food Toxicology

FERNTHIK II (2017-2020) funded by the German Federal Ministry of Education and Research (Federal and State programme: Teaching Quality Pact)

[Teaching veterinary clinical skills and implementation of ethics in veterinary medicine](#)

Prof. Dr. Andrea Tipold, Small Animal Clinic

Dr. Elisabeth Schaper, Center for E-Learning, Didactics and Educational Research (ZELDA)

Dr. Sandra Wissing, Center for E-Learning, Didactics and Educational Research (ZELDA)

Prof. Dr. Peter Kunzmann, Institute for Animal Hygiene, Animal Welfare and Farm Animal Behaviour

[An intact insect embryo as assay for developmental neurotoxicity testing](#) (2016-2020) funded by the German Federal Ministry of Education and Research

Prof. Dr. Gerd Bicker, Institute of Physiology and Cell Biology

[Dynamic of viral-bacterial interactions in co-infections of the respiratory tract: capsule-dependent and independent effects of porcine influenza virus on Streptococcus suis infection of differentiated porcine respiratory cells](#)

(since 2015) funded by the German Research Foundation

Prof. Dr. Peter Valentin-Weigand, Institute for Microbiology

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