

Third-party funded projects

Research on human, animal and environmental health (One Health)

Time period	Acronym	Topic	Further information
08/2017–07/2020	RoBoPub	Refinement of public health through a better understanding of the epidemiology of rodent-borne illnesses	BMBF (FKZ: 01K11721B)
09/2017–08/2020	#1Health-PREVENT	One Health interventions to prevent zoonotic spread of antimicrobial-resistant pathogens	BMBF (FKZ: 01K11727C)
09/2017–08/2020	PAC-CAMPY	Prevention and control of <i>Campylobacter</i> infections: A “One Health” approach	BMBF (FKZ: 01K11725B)
01/2018–12/2022	One Health EJP	Promoting One Health in Europe through joint actions on foodborne zoonoses, antimicrobial resistance and emerging microbiological hazards	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2020	ORION	One Health surveillance initiative on harmonisation of data collection and interpretation	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2020	COHESIVE	One Health structure for signalling and risk assessment of emerging threats across Europe	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2019	IMPART	Improving phenotypic testing of AMR by development of rapid and sensitive screening assays for emerging resistances and setting missing ECOFFs	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2020	ARDIG	Antibiotic Resistance Dynamics: the influence of geographic origin and management systems on resistance gene flows within humans, animals and the environment	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2019	RaDAR	Integrative modelling approaches for source attribution and health impact assessment of antimicrobial resistance	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2020	TOXdetect	Development and harmonisation of innovative methods for comprehensive analysis of toxigenic bacteria, i.e. <i>Staphylococci</i> , <i>Bacillus cereus</i> and <i>Clostridium perfringens</i>	EU (GAN: 773830) https://onehealth.ejp.eu
01/2018–12/2020	NOVA	Novel approaches for the design and evaluation of cost-effective surveillance across the food chain	EU (GAN: 773830) https://onehealth.ejp.eu

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LANUV:	North Rhine-Westphalia State Agency for Nature, Environment and Consumer Protection
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Other abbreviations

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Research on alternative methods to animal experiments

Time period	Acronym	Topic	Further information
04/2014–03/2018	BB3R	Innovations in the 3R Research – Genetic Engineering, Tissue Engineering and Bioinformatics	BMBF (FKZ: 031A262D) www.bb3r.de
07/2017–06/2020	Severity assessment	Severity assessment from an animal's point of view	DFG (GZ: LE2356/5-1)
04/2016–03/2018	Cognitive dysfunction	Cellular mechanisms of critical illness-induced cognitive dysfunction	Federal states (Einstein-Foundation: A-2014-223)
02/2017–01/2020	LivSys-Transfer	Transfer of the LivSys <i>in vitro</i> system for hepatotoxicity into application	BMBF (FKZ: 031L0119C)
01/2017–12/2019	Combiomics 2	Investigation of mixture effects of pesticides <i>in vitro</i>	BMBF (FKZ: 031L0118A)
12/2018–11/2022	EUROoC	Interdisciplinary training network for advancing Organ-on-a-chip technology in Europe	EU (GAN: 812954) https://eurooc.eu
04/2018–03/2021	3R-SMART	Alternative methods – Configuration: 3R-SMART – Setting up of a training platform to establish practical expertise in 3R methods – TP 3	BMBF (FKZ: 031L0113C)

Research on authenticity testing of food and feed

Time period	Acronym	Topic	Further information
05/2016–04/2019	Animal-ID	Animal ID: Development and validation of innovative methods for traceability and authentication of animal proteins in food and feed	BMEL (FKZ: 2816503514)
09/2016–12/2019	FoodAuthent	Development of a system for collecting, analysing and using product authenticity data	BMEL (FKZ: 2816502914)

Research on feed safety

Time period	Acronym	Topic	Further information
01/2014–03/2019	Tender melamine	Detection of melamine and cyanic acid in feed by LC-MS/MS	CEN (SA/CEN/ENTR/522/2013-11)
06/2015–12/2018	Tender mycotoxin	Foodstuffs – Determination of T-2 and HT-2 toxin in cereal-based foods for infants and young children by LC-MS/MS	CEN (SA/CEN/ENTR/520/2013-17)

Research on exposure assessment and assessment of biological risks

Time period	Acronym	Topic	Further information
01/2014–04/2018	MedVet-Staph 2	Joint project: <i>Staphylococcus aureus</i> as a zoonotic pathogen: A paradigm shift?	BMBF (FKZ: 01K11301C)
06/2015–05/2018	NutriAct	Nutritional intervention for healthy aging: food patterns, behaviour, and products	BMBF www.nutriact.de
11/2015–11/2018	EsRAM	Development of multi-stage reduction measures for antimicrobial-resistant pathogens in broiler poultry	BMEL (FKZ: 2817701614)
01/2016–01/2018	ENGAGE	Creation of next-generation sequencing for genome analysis of bacterial pathogens in Europe	EFSA (GP/EFSA/AFSCO/2015/01/CT1)
01/2010–12/2019	Leptospirose	Reference laboratory for leptospirosis – Studies on the occurrence of leptospirosis in small mammals	RKI (FKZ: 1369-365)
03/2016–02/2019	Rotaviren	Characterisation of the zoonotic potential of rotaviruses in poultry	DFG (GZ: JO369/4-3)
04/2016–03/2019	CAMPY-TRACE	Combined real-time PCR with live/dead discrimination approach for the quantitative risk assessment of viable <i>Campylobacter</i> applicable in international control strategies	BMBF (FKZ: 031B0054A)
01/2017–12/2018	MolTypList	Molecular Typing of <i>Listeria monocytogenes</i> in food and humans as the basis for efficient risk assessment and control of listeriosis in Germany	BMG (FKZ: GE20160326)
07/2017–06/2018	Vegan diet	Vegan diet and bone health	Elsbeth Bonhoff Foundation (Project number 167)
01/2017–10/2018	Vibrios	Development of an early warning and information system for the occurrence of vibrios in coastal bathing waters	BfG (part of a BMU project with grant number: 3716622030)
09/2018–10/2021	UVegg	Use of UV/UV LED radiation to reduce microorganisms on eggs	BMEL (FKZ: 281A106716)
09/2018–08/2021	SmallFishFood	Small Fish and Food Security: Towards innovative integration of fish in Africa food systems to refine nutrition	BMEL (FKZ: 2817LEAP06)
06/2018–05/2021	BLV Schweiz	Stability and inactivation of Hepatitis E virus in food production and the environment	BLV Schweiz (Project number 4.18.01)
09/2017–09/2018	Hepatitis E	Hepatitis E virus in fresh and cured pork meat	ISS (Project number 2S34)
05/2018–04/2021	AfRota	Antigens and reassortant strains for rotaviruses circulating in Africa	DFG (GZ.: JO 369/5-1)

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Research on the detection of contaminants and for the assessment of chemical risks

Time period	Acronym	Topic	Further information
05/2015–05/2019	EuroMix	European Test and Risk Assessment Strategies for Mixtures (EuroMix)	EU (633172) www.euromixproject.eu
04/2016–04/2020	EuroCigua	Risk characterization of ciguatera food poisoning in Europe to determine the incidence and epidemiological characteristics of ciguatera cases in Europe	EFSA (GP/EFSA/AFSCO/2015/03)
08/2016–10/2018	REACH III	Availability of health and environmental data for high tonnage chemicals under REACH	BMU (FKZ: 3716674220)
05/2018–03/2019	Exposure pathways for lead	Exposure pathways for lead into the human body	BMU (FKZ: 3717 62 212 0)
12/2018–11/2021	PROSPeCT	Sorption and transfer behaviour of PFAA and selected precursor substances (precursors) in the soil-crop impact pathway for estimating and assessing the threat of PVC contamination	Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg (Grant number: BWPFC19002)

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Research on modern methods in toxicology

Time period	Acronym	Topic	Further information
07/2015–06/2018	Okadaic acid	Molecular characterisation of the toxicological effect of the marine biotoxin okadaic acid in <i>in vitro</i> models for the human gastrointestinal barrier and liver	DFG (GZ: LA1177/11-1)
12/2015–12/2018	PFOA	Molecular mechanisms of the toxicity of perfluorooctanoic acid (PFOA)	DFG (GZ: LA1177/10-1), DFG (GZ: BU3060/1-1)
10/2017–09/2020	Gastrointestinal barrier	Interaction of metabolism and transport of toxicological-relevant compounds in the gastrointestinal barrier	DFG (GZ: LA1177/4-4)
06/2017–05/2020	PA1	Identification of the structure-dependent toxicity of hepatotoxic pyrrolizidine alkaloids	DFG (GZ: LA1177/12-1)
06/2017–05/2020	PA2	Investigation of hepatotoxic and genotoxic potential as well as metabolism of pyrrolizidine alkaloids present in food	DFG (GZ: TH1925/2-1)
06/2017–06/2018	Prediction of skin absorption	<i>In silico</i> methods for the prediction of dermal absorption of pesticides	EFSA (OC/EFSA/PRAS/2016/02)

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Research to harmonise and standardise exposure assessments

Time period	Acronym	Topic	Further information
01/2016–12/2021	Tender Animal feeding	Determination of pyrrolizidine alkaloids in feed materials and compound feed by LC-MS/MS	EU (2013-12)
12/2016–08/2018	FOODEX 2	Database of processing techniques and processing factors compatible with the EFSA food classification and description system	EFSA (GA/EFSA/PRAS/2016/01)
04/2017–11/2018	National poisoning monitoring	Pilot study to establish national monitoring of poisonings	BMU (FKZ: UM17653010)
01/2017–12/2021	HBM4EU	European Human Biomonitoring Initiative	EU (GAN: 733032) www.hbm4eu.eu
09/2017–06/2021	LIFE VERMEER	Integrating the software tools VEGA, toxRead, MERLIN-Expo and ERICA into a single platform for risk assessment and substitution of risky substances	EU (LIFE16 ENV/IT/000167) www.life-vermeer.eu
10/2017–09/2020	JATC	Joint Action on Tobacco Control	EU (GAN: 761297) https://jaotc.eu
01/2018–01/2020	ComRisk	Communication inside Risk Assessment and Risk Management	EFSA (GA/EFSA/ AFSCO/2017/01 – GA05)

Research on the safety of national and international food chains

Time period	Acronym	Topic	Further information
12/2013–11/2018	EFFORT	Ecology from Farm to Fork Of microbial drug Resistance and Transmission	EU (GAN: 613754) www.effort-against-amr.eu
01/2014–12/2018	Food Integrity	Ensuring the Integrity of the European Food Chain	EU (GAN: 613688) https://secure.fera.defra.gov.uk/foodintegrity
03/2016–02/2020	MyToolBox	Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	EU (GAN: 678012) www.mytoolbox.eu
05/2016–04/2019	Ess-B.A.R.	Food safety and resilience of food supply chains in biohazard situations	BMBF (FKZ: 13N13982)
08/2017–03/2018	Goods flow field study	Project cooperation on continuous traceability of goods between the BfR and LANUV NRW	Ministry for Environment, Agriculture, Conservation and Consumer Protection of the State of North Rhine-Westphalia
07/2016–08/2019	SAD-Zambia	<i>Staphylococcus (S.) aureus</i> in the dairy food chain in Zambia – combating foodborne disease and antimicrobial resistance in humans	BMEL funding programme: Global Food Security BLE (Grant number: 2815DOKP04)
01/2017–12/2019	AGINFRA+	Accelerating user-driven e-infrastructure innovation in the feed and food sector	EU (GAN: 731001) www.plus.aginfra.eu
03/2017–04/2019	Risk Assessment Tools	Risk assessment tools for the safety of global food and feed supply chains	EFSA (GP/EFSA/AMU/2016/01)
09/2017–08/2021	EU-China-Safe	Delivering an effective, resilient and sustainable EU-China food safety partnership	EU (GAN: 727864) www.euchinasafe.eu
06/2018–03/2019	Field study supply chains (NRW Warenströme)	Project cooperation on developing existing IT infrastructure for tracing goods between the BfR and LANUV NRW	Ministry for Environment, Agriculture, Conservation and Consumer Protection of the State of North Rhine-Westphalia

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Nanotechnology research: Detection, toxicology, risk assessment and risk perception

Time period	Acronym	Topic	Further information
04/2014–06/2018	SolNanoTOX	Determining factors of the toxicity in intestine and liver for two similar-sized nanoparticles used in food and packaging: <i>In vitro</i> and <i>in vivo</i> investigations on intake and mechanisms involved	DFG (GZ: LA3411/1-1) DFG (GZ: LA1177/9-1)
12/2015–11/2018	NanoToxClass	Establishing nanomaterial grouping/classification strategies according to toxicity for supporting risk assessment	BMBF (FKZ: 03XP0008A) www.nanotoxclass.eu
05/2015–04/2018	nanoGRAVUR	Nanostructured materials – grouping approaches for occupational safety, consumer and environmental protection, and risk mitigation	BMBF (FKZ: 03XP0002D)
09/2015–08/2018	NANoREG 2	Development and implementation of grouping and safe-by-design approaches within regulatory frameworks	EU (GAN: 646221) www.nanoreg2.eu
05/2016–04/2019	NANOaers	Fate of aerosol-borne nanoparticles: The influence of surface-active substances on lung deposition and respiratory effects	BMBF (FKZ: 03XP0064A) www.nanoaers.eu/index.html
07/2017–06/2019	NANOHEPATOX	Assessment of possible synergistic or antagonistic toxicity mechanisms during co-exposure of <i>in vitro</i> models to cerium dioxide nanoparticles and environmental chemicals/pharmaceuticals	BMBF (FKZ: 01DH17052)
01/2017–12/2020	ACEnano	Analytical and Characterisation Excellence in nanomaterial risk assessment: A tiered approach	EU (GAN: 720952) www.acenano-project.eu
01/2018–06/2021	GRACIOUS	Grouping, Read-Across, Characterisation and classification framework for regulatory risk assessment of manufactured nanomaterials and Safer design of nano-enabled products	EU (GAN: 760840) www.h2020gracious.eu
01/2018–12/2021	NanoCommons	The European Nanotechnology Community Informatics Platform: Bridging data and disciplinary gaps for industry and regulators	EU (GAN: 731032) www.nanocommons.eu

Research on functional analytics and early risk detection

Time period	Acronym	Topic	Further information
05/2017–04/2022	SafeConsumE	Safer food through changed consumer behaviour: Effective tools and products, communication strategies, education and a food safety policy reducing health burden from foodborne illnesses	EU (GAN: 727580) http://safeconsume.eu
04/2017–04/2020	DEMETER	Processes and systems for identifying new food risks	EFSA (GP/EFSA/AFSCO/2016/01)

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International collaboration

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01/2014–12/2017	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA www.efsa.europa.eu/de/networks/fp.htm
09/2017–08/2018	Fellow Hosting GA3	Application of data science in risk assessment and early warning	EFSA (GP/EFSA/AFSCO/2016/02 – GA 3)
09/2017–08/2018	Fellow Hosting GA4	Identification and evaluation of potentially mutagenic and carcinogen heat-related contaminants in food	EFSA (GP/EFSA/AFSCO/2016/02 – GA 4)
09/2017–08/2018	Fellow Hosting GA5	Risk assessment of plants and plant preparation in food	EFSA (GP/EFSA/AFSCO/2016/02 – GA 5)
09/2017–08/2018	Fellow Hosting GA6	Risk assessment of substances used in food supplements and fortified foods	EFSA (GP/EFSA/AFSCO/2016/02 – GA 6)
04/2017–05/2018	Data Quality	Strategic Partnership with Germany on Data Quality (Pilot project)	EFSA (GP/EFSA/DATA/2017/01 – GA 04)
01/2016–12/2018	VET-Twin	Strengthening of scientific excellence of the Polish National Veterinary Research Institute in animal health and food safety	EU (GAN: 692131)
03/2017–06/2018	Endocrine disruptors	Grant for supporting EFSA in preparing guidance on endocrine disruptors	EFSA (GP/EFSA/PRAS/2017/01)
04/2018–12/2018	BMZ Safe Pork	Safer indigenous pork and healthier ethnic minorities in Vietnam by better management of parasitic food borne diseases	ILRI
09/2018–08/2019	Fellow Hosting GA6	Data science in risk assessment and early warning	EFSA (GP/EFSA/AFSCO/2017/08 – GA6)
09/2018–08/2019	Fellow Hosting GA7	Use of novel DNA and mass spectrometry-based detection methods	EFSA (GP/EFSA/AFSCO/2017/08 – GA7)
09/2018–08/2019	Fellow Hosting GA1 AGES-BfR	Chemical Exposure Assessment	EFSA (GP/EFSA/AFSCO/2017/08 – GA1)
01/2018–06/2019	Uncertainty Workshop	Organisation of an international scientific conference: on uncertainty	EFSA (GP/EFSA/AMU/2016/01 – SA4)
02/2018–08/2018	WHO Expert Meeting	WHO Expert Meeting on the addictiveness of tobacco products	BMG (ZMVI1-2518IGW700)

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i Additional information on the projects at

German Federal Institute for Risk Assessment: www.bfr.bund.de/en > Research > Third party projects of the BfR

Information System for Agriculture/Nutrition: www.fisaonline.de > English

BMEL research database (in German): www.bmel-forschung.de