

## Third-party funded projects of the BfR in 2016

### Research on exposure assessment and the assessment of biological risks

Period	Acronym	Topic	Further information
01/2014–04/2017	MedVetStaph-2	Network project: MedVet-Staph – MRSA in the food chain	BMBF (FKZ: 01KI1301C)
01/2014–04/2017	RESET 2	RESET II network project: molecular epidemiology of new resistance mechanisms and quantitative risk assessment of extended-spectrum $\beta$ -lactamases (ESBL), AmpC $\beta$ lactamases and carbapenemases in <i>Enterobacteriaceae</i> from the food chain	BMBF (FKZ: 01KI1313B)
06/2015–05/2018	NutriAct	Nutritional Intervention for Healthy Aging: Food Patterns, Behaviour, and Products	BMBF <a href="http://www.nutriact.de">www.nutriact.de</a>
11/2015–11/2018	EsRAM	Development of measures for reduction of antibiotic resistant bacteria along the entire poultry production chain (EsRAM)	BLE (FKZ: 2817701614)
01/2016–12/2016	Leptospirose	Consiliary Laboratory for Leptospirosis – Diagnostics and Epidemiology	RKI (FKZ: 1369-365)
03/2016–02/2019	Rotaviren	Characterisation of the zoonotic potential of poultry rotaviruses	DFG (GZ: JO 369/4-3)
04/2016–03/2019	CAMPY-TRACE	Combined real-time PCR with live/dead differentiation for the quantitative risk assessment of live <i>Campylobacter</i> , applicable for international control strategies	BMBF (FKZ: 031B0054A)
05/2016–12/2018	MolTypList	Molecular typing of <i>Listeria monocytogenes</i> in foods and humans as the basis for efficient risk assessment and combatting listeriosis in Germany	BMG (FKZ: GE 2016 03 26)
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	BLE (FKZ: 2815DOKP04)

### Abbreviations

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<b>DFG:</b>	German Research Foundation
<b>EFSA:</b>	European Food Safety Authority
<b>EU:</b>	European Union
<b>FKZ:</b>	Project reference number
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### Research on the safety of national and international supply chains

Period	Acronym	Topic	Further information
07/2013–12/2016	ZooGloW	Zoonoses and food safety along global supply chains	BMBF (FKZ: 13N12697)
07/2013–06/2016	SPICED	Securing the spices and herbs commodity chains in Europe against deliberate, accidental or natural biological and chemical contamination	EU (FP7-SEC-2012 – 312631) <a href="http://www.spiced.eu">www.spiced.eu</a>
12/2013–11/2018	EFFORT	Ecology from Farm to Fork of Microbial Drug Resistance and Transmission	EU (FP7-KBBE-2013-7-613754) <a href="http://www.effort-against-amr.eu">www.effort-against-amr.eu</a>
01/2014–12/2018	Food Integrity	Ensuring the Integrity of the European Food Chain (Food Integrity)	EU (FP7-KBBE-2013-7-613688)
12/2015–08/2016	NRW Warenströme	Project cooperation between BfR and LANUV NRW for the continuous traceability of products	
01/2016–12/2018	VET-Twin	Strengthening of scientific excellence of the National Veterinary Research Institute in animal health and food chain safety	EU (H2020-TWINN-2015-692131) <a href="http://www.piwet.pulawy.pl/vettwin">www.piwet.pulawy.pl/vettwin</a>
05/2016–04/2019	Ess-B.A.R.	Food safety and resilience of food supply chains in biological hazard situations	BMBF (FKZ: 13N13982)
09/2016–09/2019	FoodAuthent	Development of a system for the collection, analysis and evaluation of product authenticity data	BLE (FKZ: 2816502914)

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

Period	Acronym	Topic	Further information
12/2012–02/2016	Schadstoffe Hausstaub	Pollutants in house dust: improving health assessment by determination of the effective dust absorption of children and adults	BMUB (FKZ: 3712 62 204)
05/2015–05/2019	EuroMix	European Test and Risk Assessment Strategies for Mixtures (EuroMix)	EU (H2020-SFS-2014-2-633172) <a href="http://www.euromixproject.eu">www.euromixproject.eu</a>
01/2016–01/2018	ENGAGE	New approaches in identifying and characterising microbiological and chemical hazards	EFSA (GP/EFSA/AFSCO/2015/01/CT1)
04/2016–04/2020	Ciguatera	Risk characterisation of ciguatera food poisoning in Europe to determine the incidence and epidemiological characteristics of ciguatera cases in Europe	EFSA (GP/EFSA/AFSCO/2015/03)
12/2016–08/2018	Processing	Database of processing techniques and processing factors compatible with the EFSA food classification and description system FOODEX 2	EFSA GA/EFSA/PRAS/2016/01

### Research on modern methods in toxicology

Period	Acronym	Topic	Further information
11/2013–04/2016	Combiomics	Analysis of combination effects of pesticides <i>in vitro</i>	BMBF (FKZ: 031A267A)
12/2013–06/2016	LivSys	Modelling of the toxome of cultivated human hepatocytes	BMBF (FKZ: 031A270C)
07/2015–06/2018	Okadasäure	Molecular characterisation of toxicological properties of the marine biotoxin okadaic acid in <i>in vitro</i> models for the human intestinal barrier and liver	DFG (GZ: LA 1177/11-1)
11/2015–11/2018	ANIMAL-ID	Animal-ID: development and validation of innovative methods for the traceability and authentication of animal protein in food and feed	BLE (FKZ: 2816503514)
12/2015–11/2017	PFOA	Molecular mechanisms of the toxicity of perfluorooctanoic acid (PFOA)	DFG (GZ: LA 1177/10-1) DFG (GZ: BU 3060/1-1)
04/2016–03/2018	Einstein-Stiftung	Mechanisms of Critical Illness-Induced Cognitive Dysfunction	A-2014-223

### Research on harmonisation and standardisation of exposure assessments

Period	Acronym	Topic	Further information
02/2012–01/2016	TDS-Exposure	Total Diet Study Exposure	EU (FP7-KBBE-2011-5-289108) <a href="http://www.tds-exposure.eu">www.tds-exposure.eu</a>
04/2015–03/2016	REACH-Compliance Check – Phase II	Availability of health and environmental data for high tonnage chemicals under REACH – Phase II: in-depth REACH compliance check	UBA (FKZ: 3715 67 422 0)
07/2014–06/2016	Nationales Vergiftungsmonitoring	Research project “National monitoring of intoxication”	BMU (FKZ: UM14654010)
04/2015–10/2016	LiquiTabs	Study on hazardous detergents mixtures contained in soluble packaging for single use	EU (30-CE-0702569/00-44-SI2.705912)
08/2016–07/2018	REACH-Compliance – Phase III	Availability of health and environmental data for high tonnage chemicals under REACH – Finalisation of Phase II and Phase III processing: substances with a registration for 100–1,000 t/a	UBA (FKZ: 3716 67 422 0)

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### Research on alternatives to animal experiments

Period	Acronym	Topic	Further information
04/2014–03/2017	BB3R-Forschung	Network project: Innovations in 3R Research – Genetic Engineering, Tissue Engineering and Bioinformatics (Berlin-Brandenburg research platform BB3R with integrated graduate education)	BMBF (FKZ: 031A262D) <a href="http://www.bb3r.de/projekt/index.html">www.bb3r.de/projekt/index.html</a>

### Research on feed safety

Period	Acronym	Topic	Further information
06/2013–06/2016	Tannisil	Improving protein quality of roughage in ruminant nutrition by using silage additives on the basis of condensed tannins	BLE (FKZ: 2813804310)
01/2014–12/2017	Tender Melamin	Tender Melamin	EU (SA/CEN/ENTR/522/2013-11 Contract item: 2013-11.11)
06/2015–12/2018	Tender Mycotoxine	Provision of technical services to NEN	EU (SA/CEN/ENTR/520/2013-17)
01/2016–12/2020	Tender Animal feeding	Animal feed – Determination of pyrrolizidine alkaloids in feed materials and compound feed by LC-MS	EU (SA/CEN/ENR/EFTA/523/2013-12)
03/2016–02/2020	MyToolBox	Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	EU (H2020-SFS-2014-2015/H2020-SFS-2015-2-678012) <a href="http://www.mytoolbox.eu">www.mytoolbox.eu</a>

## Nanotechnology research: detection, toxicology, risk assessment and risk perception

Period	Acronym	Topic	Further information
03/2013–02/2017	NANoREG	A common European approach to the regulatory testing of nanomaterials	EU (FP7-NMP-2012-Large-6-310584) <a href="http://www.nanoreg.eu">www.nanoreg.eu</a>
11/2013–10/2017	NanoDefine	Development of methods and standards supporting the implementation of the Commission recommendation for a definition of a nanomaterial	EU (FP7-NMP-2013-LARGE-7-604347) <a href="http://www.nanodefines.eu">www.nanodefines.eu</a>
10/2014–09/2017	DENANA	DENANA – Design criteria for sustainable nanomaterials	BMBF (FKZ: 03X0152E)
04/2014–03/2017	SoINanoTOX	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> investigation on uptake and mechanisms involved	DFG (GZ: LA 3411/1-1) DFG (FKZ: LA 1177/9-1)
03/2014–03/2016	CEFIC	Science-based grouping of nanomaterials for industrial application of safe-by-design (CEFIC)	EU (LRI-N4)
12/2014–11/2016	SeeingNano	Developing and Enabling Nanotechnology Awareness-Building through the Creation and Exchange of enhanced Communication and Visualisation Tools and Guidance for “Seeing at the Nanoscale” (SeeingNano)	EU (H2020-NMP-2014-2015, Grant Agreement number: 646141) <a href="http://www.seeingnano.eu">www.seeingnano.eu</a>
12/2015–11/2018	NanoToxClass	NanoToxClass – Establishing nanomaterial grouping/ classification strategies according to toxicity and biological effects for supporting risk assessment	BMBF (FKZ: 03XP0008A) <a href="http://www.nanotoxclass.eu/project.html">www.nanotoxclass.eu/project.html</a>
05/2015–04/2018	nanoGRAVUR	nanoGRAVUR – nanostructured materials – Grouping for occupational health and consumer and environmental protection and risk mitigation	BMBF (FKZ: 03XP0002D) <a href="http://www.nanogravur.info">www.nanogravur.info</a>
09/2015–08/2018	NANoREG 2	Development and implementation of Grouping and Safe-by-Design approaches within regulatory frameworks	EU (H2020-NMP-2014-two-stage-646221) <a href="http://www.nanoreg2.eu">www.nanoreg2.eu</a>
05/2016–04/2019	NANOaers	Fate of aerosolised nanoparticles: the influence of surface active substances on lung deposition and respiratory effects	BMBF (FKZ: 03XP0064A) <a href="http://www.nanoaers.eu/index.html">www.nanoaers.eu/index.html</a>

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## Scientific cooperation

Period	Acronym	Topic	Further information
01/2014–12/2016	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA <a href="http://www.efsa.europa.eu/de/about/partnersnetworks">www.efsa.europa.eu/de/about/partnersnetworks</a>

### Additional information on the projects

Federal Institute for Risk Assessment: [www.bfr.bund.de/en](http://www.bfr.bund.de/en) > Research > Third party projects of the BfR

Information System for Agriculture and Food Research: [www.fisaonline.de](http://www.fisaonline.de) > English

Research database of the BMEL (in German): [www.bmel-forschung.de](http://www.bmel-forschung.de)