

# Third-party funded projects of BfR in 2014

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

Period	Acronyme	Topic	Further Information
01/2010–12/2014	SFB Nutrition Intestinal Microbiotica	Nutrition and intestinal microbiota – host interaction in the pig Influence of nutritional factors on the prevalence of viruses, including viruses with zoonotic potential, in faeces of clinically healthy pigs	DFG (FKZ: SFB 852/1 2010; SFB 852/2)
02/2011–04/2014	FBI Zoo 2	Food-Borne Zoonotic Infections of Humans – <i>Salmonella</i> in the poultry food chain: outbreak potential, evolution, and pathogenicity	BMBF (FKZ: 01K11012I) <a href="http://www.fbi-zoo.de">www.fbi-zoo.de</a>
11/2010–07/2015	VibrioNet	VibrioNet: Climate warming and the emergence of seafood- and waterborne vibriosis	BMBF (FKZ: 01K11015A) <a href="http://www.vibrionet.de">www.vibrionet.de</a>
10/2011–03/2015	Gene transfer	Molecular mechanism of horizontal gene transfer in pathogenic epsilon-proteobacteria	DFG (FKZ: STI 201/3-1) <a href="http://gepris.dfg.de/gepris/projekt/175974972">http://gepris.dfg.de/gepris/projekt/175974972</a>
01/2012–12/2014	PROMISE	Consumer: PROtection by microbial risk Mitigation through combatting SEgregation of expertise	EU (FP7-KBBE-2010-4-265877) <a href="http://promisenet.wordpress.com">http://promisenet.wordpress.com</a>
10/2012–06/2015	e-H@C HUPAction	Developing a system to improve information exchange within the organisational infrastructure in the interest of the more rapid detection, monitoring, and control of EHEC and other human pathogenic bacteria in the value chain, vegetables in the Euregio Rhine Waal	EU (II-2-03=201) <a href="http://giqs.org/projekte/hupaction">http://giqs.org/projekte/hupaction</a>
07/2012–08/2015	InnoStep	Development of innovative production integrated microbiological levels control systems in meat production to reduce <i>Campylobacter</i> spp. and <i>Salmonella</i> spp.	BLE (FKZ: 2816801511)
01/2014–04/2017	MedVetStaph-2	LA-MRSA spread from food to consumers	BMBF (FKZ: 01K11301C)
01/2014–12/2016	RESET 2	RESET-II: Coordinated project: ESBL and (fluoro)quinolone RESistance in EnTerobacteriaceae	BMBF (FKZ: 01K11313B)

### Abbreviations

**BMEL:** Federal Ministry of Food and Agriculture  
**BMBF:** Federal Ministry for Education and Research  
**BMUB:** Federal Ministry for Environment, Nature Conservation and Nuclear Safety  
**BMWi:** Federal Ministry for Economy  
**BLE:** Federal Office for Agriculture and Food  
**UBA:** German Federal Environmental  
**DFG:** German Research Foundation  
**EU:** European Union  
**EFSA:** European Food Safety Authority  
**FKZ:** Project reference number

## Research for the safety of national and international production chains

Period	Acronyme	Topic	Further Information
10/2010–09/2014	SiLeBAT	Securing the feed and food supply chain in the event of biological and agro-terrorist (BAT) damage scenarios	BMBF (FKZ: 13N11202) <a href="http://www.silebat.de">www.silebat.de</a>
07/2013–06/2016	ZooGloW	Zoonoses and food safety along global supply chains	BMBF (FKZ: 13N12697) <a href="http://www.bmbf.de/pubRD/Projektumriss_ZooGloW.pdf">www.bmbf.de/pubRD/Projektumriss_ZooGloW.pdf</a>
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://spiced.eu">http://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	EU (FP7-KBBE-2013-7-613688)

## Abbreviations

**BMEL:** Federal Ministry of Food and Agriculture  
**BMBF:** Federal Ministry for Education and Research  
**BMUB:** Federal Ministry for Environment, Nature Conservation and Nuclear Safety  
**BMWi:** Federal Ministry for Economy  
**BLE:** Federal Office for Agriculture and Food  
**UBA:** German Federal Environmental  
**DFG:** German Research Foundation  
**EU:** European Union  
**EFSA:** European Food Safety Authority  
**FKZ:** Project reference number

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

Period	Acronyme	Topic	Further Information
01/2009–06/2014	Ballast Water	North Sea Ballast Water Opportunity	EU (InterReg BWO/2010 SA 180) <a href="http://www.northsearegion.eu/ivb/projects/details/&amp;tid=89">www.northsearegion.eu/ivb/projects/details/&amp;tid=89</a>
01/2012–08/2014	Levoglucosan	Quantitative analysis of the influence of wood combustion on the concentration of particulate matter in Berlin and Brandenburg using the tracer levoglucosan	Berlin Brandenburg
12/2012–08/2015	Pollutants house dust	Pollutants in house dust: Improving health assessment by determination of the effective dust absorption of children and adults	BMUB (FKZ: 3712 62 204)
10/2013–06/2015	GP/EFSA/CONTAM/2013/03	Occurrence of Pyrrolizidine Alkaloids in food	EFSA
02/2013–05/2015	ZENOL	Development and validation of an analysis method for the selective determination of zearalenone in vegetable oils	BMWi (FKZ: 01FS12034)

## Research for modern methods in toxicology

Period	Acronyme	Topic	Further Information
11/2010–11/2015	Gastrointestinal Barrier	Interaction between metabolism and transport of toxicologically relevant compounds in the gastrointestinal barrier	DFG (FKZ: LA 1177/6-1) <a href="http://gepris.dfg.de/gepris/projekt/156632571">http://gepris.dfg.de/gepris/projekt/156632571</a>
11/2013–10/2015	Combiomics	Combiomics – Investigation of mixture effects of pesticides <i>in vitro</i>	BMBF (FKZ: 031A267A)
12/2013–11/2015	LivSys	Modelling of the toxome of cultivated human hepatocytes	BMBF (FKZ: 3R-474-007)

## Research for harmonisation and standardisation of exposure assessments

Period	Acronyme	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>
01/2014–03/2015	REACH-Compliance	Analysis of the data availability from REACH registrations	UBA (FKZ: 3714 67 420 0)
07/2014–06/2016	National monitoring of poisonings	Research project: National monitoring of intoxication	BMU (FKZ: UM14654010)

## Abbreviations

**BMEL:** Federal Ministry of Food and Agriculture  
**BMBF:** Federal Ministry for Education and Research  
**BMUB:** Federal Ministry for Environment, Nature Conservation and Nuclear Safety  
**BMWi:** Federal Ministry for Economy  
**BLE:** Federal Office for Agriculture and Food  
**UBA:** German Federal Environmental  
**DFG:** German Research Foundation  
**EU:** European Union  
**EFSA:** European Food Safety Authority  
**FKZ:** Project reference number

## Research for alternatives to animal experiments

Period	Acronyme	Topic	Further Information
09/2010–05/2014	HET-MN	Prevalidation of HET-MN (Hen's Egg Test – Micronucleus Induction) as alternative method to the <i>in vivo</i> micronucleus test in rodents	BMBF (FKZ: 0315803B)
10/2011–09/2014	3D skin models	Verification of the metabolic competence and prevalidation of the Comet assay in human 3D skin models	BMBF (FKZ: 0316008A)
04/2014–03/2017	Innovations in the 3R Research	Genetic Engineering, Tissue Engineering and Bioinformatics: Berlin-Brandenburg research platform BB3R with integrated graduate education	BMBF (FKZ: 031A262D)

## Allergy research: effect-based analytics and early risk detection

Period	Acronyme	Topic	Further Information
12/2014–09/2015	Food carcinogens	Metabolic activation and inactivation of food carcinogens 5-hydroxymethylfuran and furfuryl alcohol in man, mouse and rat	DFG (FKZ: MO 2520/1-1)

## Research for feed safety

Period	Acronyme	Topic	Further Information
03/2011–08/2014	QSAFFE	Quality and Safety of Feeds and Foods for Europe	EU (FP7-KBBE-2010-4-265702) <a href="http://www.qsaffe.eu">www.qsaffe.eu</a>
06/2013–06/2016	Tannisil	Improving protein quality of roughages 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)

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

Period	Acronyme	Topic	Further Information
04/2012–01/2014	Migration Nanoton	Migration analyses for food contact with nanoclay doped plastic	government Rhineland-Palatinate
04/2012–08/2014	Oxid Stress Nano	Classification of nanomaterials for potential oxidative stress at the level of oxidative protein modifications	government Rhineland-Palatinate
05/2012–10/2014	Nanopinion	Monitoring public opinion on Nanotechnology in Europe	EU <a href="http://nanopinion.eu/de">http://nanopinion.eu/de</a>
02/2011–01/2015	QNano	A pan-European infrastructure for quality in nanomaterials safety testing	EU <a href="http://www.qualitynano.eu">www.qualitynano.eu</a>
03/2013–08/2016	NANoREG	A common European approach to the regulatory testing of nanomaterials	EU <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 <a href="http://www.nanodefine.eu">www.nanodefine.eu</a>
10/2014–09/2017	DENANA	Design criteria for sustainable nanomaterials	BMBF (FKZ: 03X0152E)
04/2014–03/2017	SoINanoTOX	The toxicity in intestine and liver for nanoparticles used in food and packaging. 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	EU (LRI-N4)
12/2014–11/2016	SeeingNano	Developing and Enabling Nanotechnology Awareness-Building through the Creation and Exchange of enhanced Communication and Visualization Tools and Guidance for "Seeing at the Nanoscale"	EU (H2020-NMP-2014-2015, Grant Agreement number: 646141)

## Abbreviations

**BMEL:** Federal Ministry of Food and Agriculture  
**BMBF:** Federal Ministry for Education and Research  
**BMUB:** Federal Ministry for Environment, Nature Conservation and Nuclear Safety  
**BMWi:** Federal Ministry for Economy  
**BLE:** Federal Office for Agriculture and Food  
**UBA:** German Federal Environmental  
**DFG:** German Research Foundation  
**EU:** European Union  
**EFSA:** European Food Safety Authority  
**FKZ:** Project reference number

## Scientific cooperation

Period	Acronyme	Topic	Further Information
01/2014–12/2015	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA <a href="http://www.efsa.europa.eu/de/networks/fp.htm">www.efsa.europa.eu/de/networks/fp.htm</a>

**i** Additional information to 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.bmelv-forschung.de/de/startseite/forschung/forschungsprojekte/projekt Datenbank.html](http://www.bmelv-forschung.de/de/startseite/forschung/forschungsprojekte/projekt Datenbank.html)