

Third-party funded projects of the BfR in 2013

Research for exposure assessment and for the assessment of biological risks

Period	Acronyme	Topic	Further information
01/2010–12/2013	SFB 852	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 109100242003) www.sfb852.de
11/2010–12/2013	MedVet-Staph	<i>Staphylococcus aureus</i> as zoonotic pathogen: Epidemiology of human colonisation and infection by LA-MRSA	BMBF (FKZ 01KI1014C) www.medvetstaph.net
11/2010–12/2013	RESET	Resistance in animals and humans: ESBL and (fluoro)quinolone resistance in enterobacteriaceae, risk assessment of the resistance to beta lactam antibiotics with extended spectrum (ESBLs) and (fluoro)quinolones	BMBF (FKZ 01KI131A) www.reset-verbund.de
10/2011–12/2013	EMIDA LA-MRSA	Methicillin-resistant <i>Staphylococcus aureus</i> lineages in primary productions: multi-host pathogen, spill-over and spill-back between animals and humans	BMBF (FKZ 0315868A) www.kooperation-international.de/detail/info/emida-era-net-la-mrsa-methicillin-resistente-staphylococcus-aureus-linien-in-der-primarproduktion.html
12/2011–08/2013	CFP/EFSA/BIOMO/2011/01	Implementation and testing of electronic submission in XML format of zoonoses, zoonotic agents, animal population, antimicrobial resistance and food-borne outbreaks data in the European Union	EFSA
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 01KI1012I) http://fbi-zoo.net
11/2010–12/2014	VibrioNet	VibrioNet: Climate warming and the emergence of seafood- and waterborne vibriosis	BMBF (FKZ 01KI1015A) www.vibronet.de
10/2011–10/2014	Gene transfer	Molecular mechanism of horizontal gene transfer in pathogenic epsilon-proteobacteria	DFG (FKZ STI 201/3-1) http://gepris.dfg.de/gepris/projekt/175974972
01/2012–12/2014	PROMISE	Consumer: PROtection by microbial risk MItigation through combatting SEgregation of expertise	EU (FP7-KBBE-2010-4-265877) http://promisenet.wordpress.com
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) http://giqs.org/projekte/hupaction
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)

Abbreviations

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EFSA: European Food Safety Authority
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Research for the safety of national and international production chains

Period	Acronyme	Topic	Further information
10/2010–09/2013	AniBioThreat	Bio-Preparedness on measures concerning prevention, detection and response to animal bio-terrorism threats	EU (Home/2009/ISEC/AG/191) www.anibiothreat.com
10/2010–09/2014	SiLeBAT	Securing the feed and food chain in the event of biological and agri-terrorist (BAT) damage scenarios	BMBF (FKZ 13N11202) www.silebat.de
07/2013–06/2016	ZooGloW	Zoonoses and food safety along global supply chains	BMBF (FKZ 13N12697) www.bmbf.de/pubRD/Projektumriss_ZooGloW.pdf
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) http://spiced.eu
12/2013–11/2018	EFFORT	Ecology from Farm to Fork Of microbial drug Resistance and Transmission	EU (FP7-KBBE-2013-7-613754) www.effort-against-amr.eu

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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) www.northsearegion.eu/ivb/projects/details/&tid=89
01/2012–08/2014	Levogluconan	Quantitative analysis of the influence of wood combustion on the concentration of particulate matter in Berlin and Brandenburg using the tracer levogluconan	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
02/2013–01/2015	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
10/2009–09/2013	CFT/EFSA/CEF/2009/02	Examination and drafting of summary data sheets on toxicity data related to the evaluation of substances to be used in consumer products	EU www.efsa.europa.eu/de/tendersawarded/tender/cft_toxicitydata_tender_specifications.pdf
11/2010–09/2014	Gastrointestinal Barrier	Interaction between metabolism and transport of toxicologically relevant compounds in the gastrointestinal barrier	DFG (FKZ LA 1177/6-1) http://gepris.dfg.de/gepris/projekt/156632571
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
12/2010–06/2013	PILOT-PANEU	Pilot study in the view of a Pan-European dietary survey – adolescents, adults and elderly	EFSA (CFP/EFSA/DATEX/2010/02) www.efsa.europa.eu/de/supportingpub/508e.htm
02/2012–01/2016	TDS_Exposure	Total Diet Study Exposure	EU (FP7-KBBE-2011-5-289108) www.tds-exposure.eu

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Research for alternatives to animal experiments

Period	Acronyme	Topic	Further information
04/2008–09/2013	ESNATS	Embryonic Stem cell-based Novel Alternative Testing Strategies	EU (HEALTH-F5-2008-201619) www.esnats.eu
09/2010–12/2013	HET-MN	Pre-validation 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)
02/2013–03/2013	PCLS Pre-validation	Pre-validation of the <i>ex vivo</i> model Precision Cut Lung Slices (PCLS) for the prediction of acute inhalation toxicity	BMBF (FKZ 0315720A)
10/2011–09/2014	3D skin models	Verification of the metabolic competence and pre-validation of the comet assay in human 3D skin models	BMBF (FKZ 0316008A)

Allergy research: effect-based analytics and early risk detection

Period	Acronyme	Topic	Further information
09/2009–02/2013	food-borne allergens	Development of innovative rapid test and screening methods for on-site detection of food-borne allergens in product development and control	BLE (FKZ 2816400508)
07/2010–06/2013	Contact Allergen	Development of a contact allergen activated T cell (CAATC) assay using dendritic cells from skin: characterisation of the sensitising potency of chemicals via dendritic cell-induced expression of lineage specific T cell transcription	BMBF (FKZ 0315724)
01/2011–12/2014	MIRABEL	Model Integrated Risk for Allergy, Bayesian Estimation for Life quality (MIRABEL)	EU

Research for feed safety

Period	Acronyme	Topic	Further information
07/2008–06/2013	SafeGuard	Sound Animals and healthy Food within the Euregio Guaranteed by an United Approach	EU (INTERREG IVa III-2-03=025) http://giqs.org/projekte/safeguard
03/2011–08/2014	QSAFFE	Quality and Safety of Feeds and Foods for Europe	EU (FP7-KBBE-2010-4-265702) www.qsaffe.eu
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)

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

Period	Acronyme	Topic	Further information
03/2010–02/2013	Nanogenotox	Safety evaluation of manufactured nanomaterials by characterisation of their potential genotoxic hazard	EU www.nanogenotox.eu
08/2010–10/2013	NanoGEM	Nanostructured materials – health, exposure and material properties	BMBF (FKZ 03X0105F) www.nanogem.de/cms/nanogem/front_content.php
07/2013–12/2013	Nanoscale	Regulation of cellular adhesion and uptake of synthetic polymeric nanoparticles by specific functionalisation with biological target molecules	Free University Berlin
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 http://nanopinion.eu/de
02/2011–01/2015	QNano	A pan-European infrastructure for quality in nanomaterials safety testing	EU www.qualitynano.eu
03/2013–08/2016	NANoREG	A common European approach to the regulatory testing of nano-materials	EU www.nanoreg.eu
11/2013–10/2017	NanoDefine	Development of methods and standards supporting the implementation of the Commission recommendation for a definition of a nanomaterial	EU www.nanodefine.eu

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Scientific cooperation

Period	Acronyme	Topic	Further information
05/2008–12/2013	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA www.efsa.europa.eu/de/networks/fp.htm

i Additional information to the projects:
 Federal Institute for Risk Assessment: www.bfr.bund.de/en
 Information System for Agriculture and Food Research: www.fisaonline.de > English
 Research database of the BMEL (in German):
www.bmelv-forschung.de/de/startseite/forschung/forschungsprojekte/projekt Datenbank.html