

## Drittmittelvorhaben des BfR im Jahr 2011

Projekte gefördert durch die Europäische Union, die Europäische Behörde für Lebensmittelsicherheit (EFSA), die Europäische Chemikalienagentur (ECHA) und die Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ):

lfd. Nr.	von	bis	Kurzbezeichnung	Thema
1	12/2006	09/2011		Best Search Practice on Animal Alternatives – A Guide for Untrained Database Users
2	01/2007	12/2011	Biotracer	Improved bio-traceability of unintended microorganisms and their substances in food and feed chains
3	04/2008	09/2013	ESNATS	Embryonic Stem cell-based Novel Alternative Testing Strategies
4	05/2008	12/2011	EFSA Focal Point	Germany's national focal point on technical and scientific matters
5	07/2008	09/2013	SafeGuard	Sound Animals and healthy Food within the Euregio Guaranteed by an United Approach
6	01/2009	12/2013		North Sea Ballast Water Opportunity
7	04/2009	12/2012		Unterstützung bei der Entwicklung von Strukturen und Institutionen zur Verbesserung des gesundheitlichen Verbraucherschutzes in der Volksrepublik China
8	09/2009	08/2011		The role of commensal microflora of animals in the transmission of extended spectrum $\beta$ -lactamases (ESBLs)
9	09/2009	11/2012	PERFOOD	Perfluorinated Compounds in our Diet
10	10/2009	09/2012	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
11	03/2010	02/2013	Nanogenotox	Safety evaluation of manufactured nanomaterials by characterisation of their potential genotoxic hazard
12	10/2010	09/2013	AniBioThreat	Bio-Preparedness on measures concerning prevention, detection and response to animal bio-terrorism threats
13	06/2010	02/2011		Qualitative assessment of the relative effectiveness of inspection tasks at slaughter in meat production
14	12/2010	12/2012	CFP/EFSA/DATEX/2010/02	Pilot study in the view of a Pan-European dietary survey – Adolescents, adults and elderly (PILOT-PANEU)

### Third-party funded projects of BfR in 2011

Projects funded by the European Union, the European Food Safety Authority (EFSA), the European Chemicals Agency (ECHA) and the German Technical Cooperation Society (GTZ):

No.	from	to	Abbreviated designation	Topic
1	12/2006	09/2011		Best Search Practice on Animal Alternatives – A Guide for Untrained Database Users
2	01/2007	12/2011	Biotracer	Improved bio-traceability of unintended microorganisms and their substances in food and feed chains
3	04/2008	09/2013	ESNATS	Embryonic Stem cell-based Novel Alternative Testing Strategies
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5	07/2008	09/2013	SafeGuard	Sound Animals and healthy Food within the Euregio Guaranteed by an United Approach
6	01/2009	12/2013		North Sea Ballast Water Opportunity
7	04/2009	03/2012		Support for the development of structures and institutions to improve consumer health protection in the People's Republic of China
8	09/2009	08/2011		The role of commensal microflora of animals in the transmission of extended spectrum $\beta$ -lactamases (ESBLs)
9	09/2009	11/2012	PERFOOD	Perfluorinated Compounds in our Diet
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15	12/2010	06/2012	CT/EFSA/AHAW/2010/05	Contribution of meat inspection to animal health surveillance
16	01/2011	12/2014	MIRABEL	Model Integrated Risk for Allergy, Bayesian Estimation for Life quality
17	01/2011	11/2012	CFT/EFSA/DCM/2011/01	Update of the EFSA Comprehensive Food Consumption Database (Tender Update Database)
18	01/2011	08/2014	QSAFFE	Quality and Safety of Feeds and Foods for Europe
19	01/2011	01/2015	QNano	A pan-European infrastructure for quality in nanomaterials safety testing
20	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
21	11/2011	12/2012		Health and Environmental Hazards of Solid Bulk Cargoes

Durch Bundesbehörden und die Deutsche Forschungsgemeinschaft (DFG) finanzierte Drittmittelvorhaben des BfR:

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1	02/2007	03/2011	Räuberische Prokaryoten	Strukturanalyse von Zellwandkomponenten räuberischer Prokaryoten und lebenszyklusabhängige Proteomcharakterisierung
2	05/2007	08/2011	DNT <i>in vitro</i>	Entwicklung von prädiktiven <i>in vitro</i> -Tests zur sicherheitstoxikologischen Prüfung auf Entwicklungsneurotoxizität, Teilprojekt 1 (Phase II ab 09/2009)
3	05/2007	04/2011	MolTox <i>in vitro</i>	Konditionierung und Einsatz hepatischer <i>in vitro</i> -Systeme zur Identifizierung von Leber-Karzinogenen mittels Toxicogenomics-Methoden, Teilprojekt 1
4	10/2007	01/2011	FBI-Zoo	Verbund: lebensmittelbedingte zoonotische Infektionen, Teilprojekt: Gefahrenidentifizierung von <i>Salmonella</i> in der Lebensmittelkette (TP3)
5	01/2008	06/2011	PathoSafe	Epidemiologischen Studien als Basis für eine Risikobewertung ausgebrachter Agentien
6	01/2008	06/2011	<i>Clostridium botulinum</i> – Gefährdung der Lebensmittel durch Toxine und Sporen	Gefährdung durch absichtlichen Eintrag von humanpathogenen bakteriellen Erregern in die Lebensmittelerzeugungskette am Beispiel <i>Clostridium botulinum</i>

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14	12/2010	12/2012	CFP/EFSA/DATEX/2010/02	Pilot study in the view of a Pan-European dietary survey – Adolescents, adults and elderly (PILOT-PANEU)
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21	11/2011	12/2012		Health and Environmental Hazards of Solid Bulk Cargoes

Third-party funded BfR projects financed by federal authorities and the German Research Foundation (DFG):

No.	from	to	Abbreviated designation	Topic
1	02/2007	03/2011	Predatory prokaryotes	Analysis of cell wall structures of predatory bacteria and characterization of proteomic changes during the life cycle
2	05/2007	08/2011	DNT <i>in vitro</i>	Development of predictive <i>in vitro</i> tests for Developmental Neurotoxicity testing, sub-project 1 (Phase II from 09/2009)
3	05/2007	04/2011	MolTox <i>in vitro</i>	Use of hepatic <i>in vitro</i> systems for detection of liver carcinogens by application of toxicogenomics, sub-project 1

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7	01/2008	03/2011	Viruskontam	Gefährdung durch absichtliche Kontamination von Lebensmitteln mit humanpathogenen Viren
8	01/2008	06/2011	Brucellenkontam	Gefährdung durch absichtlichen Eintrag von humanpathogenen bakteriellen Erregern in die Lebensmittelherstellungskette am Beispiel Brucellen
9	01/2008	06/2012	Modell-Kontam	Erarbeitung von Methoden und des Informationsbedarfes zur Modellierung der Konsequenzen absichtlicher Ausbringung von Agentien
10	02/2008	04/2011	Campyquant	Einsatz von Bakteriophagen zur quantitativen Senkung der <i>Campylobacter</i> -Belastung von Masthähnchen
11	07/2008	06/2011		Entwicklung eines Biotransformationssystems für die metabolische Aktivierung von validierten <i>in vitro</i> -Systemen zur Prüfung auf Embryotoxizität
12	01/2009	05/2011		Verbundprojekt Pluripotente Stammzellen in der automatisierten Prädiktion von Entwicklungsosteotoxizität, Teilprojekt 3: Entwicklung und Etablierung eines Osteoblastendifferenzierungsassays
13	01/2009	12/2011		Mechanismen und Minimierung von Matrixeffekten in der quantitativen Spurenanalytik mit Elektrospray-Massenspektrometrie
14	02/2009	07/2011		Charakterisierung der metabolischen Kapazität von <i>in vitro</i> -Hautmodellen zum Zwecke der Identifizierung eines optimalen Modells für die Hauttoxizitätsprüfung sowie zur Expositionsabschätzung von Substanzen mit dermalen Biotransformation, Teilprojekt 1
15	06/2009	05/2012		Go3R-Entwicklung und Etablierung einer semantischen Suchmaschine für Alternativmethoden zu Tierversuchen
16	09/2009	08/2012		Entwicklung von innovativen Schnelltest- und Screeningverfahren zum wirkungsbezogenen Nachweis von Lebensmittelallergenen vor Ort in der Produktentwicklung und -kontrolle
17	12/2009	11/2012		Charakterisierung des zoonotischen Potenzials zu Rotaviren des Geflügels
18	01/2010	12/2013	SFB 852	Ernährung, intestinale Mikrobiota und Wirtsinteraktionen beim Schwein

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19	07/2010	06/2012		Entwicklung eines „Contact Allergen Activated T-Cell (CAATC)-Assay“ mit dendritischen Zellen der Haut: Sensibilisierungsnachweis über den Endpunkt LC-induzierte Expression von linspezifischen T-Zell-Transkriptionsfaktoren
20	08/2010	07/2012		Erweiterte Prävalidierungsstudie zur Prüfung der toxischen Wirkung von inhalativ wirksamen Stoffen (Gase) nach Direktexposition von Lungenzellen des Menschen an der Luft-/Flüssigkeitsgrenzschicht, Teilprojekt 4
21	08/2010	07/2013	NanoGEM	Nanostrukturierte Materialien – Gesundheit, Exposition und Materialeigenschaften
22	09/2010	08/2012	HET-MN	Prävalidierung des HET-MN (Hen's Egg Test – Micronucleus Induction) als Ersatzmethode zur <i>in vivo</i> -Mikrokernprüfung an Nagern
23	10/2010	09/2014	SiLeBAT	Sicherstellung der Futter- und Lebensmittelwarenkette bei bio- und agro-terroristischen (BAT)-Schadenslagen
24	11/2010	10/2013	gastrointestinale Barriere	Interaktion zwischen Metabolismus und Transport von toxikologisch relevanten Substanzen in der gastrointestinalen Barriere
25	11/2010	10/2013	VibrioNet	VibrioNet: <i>Vibrio</i> -Infektionen durch Lebensmittel und Meerwasser in Zeiten des Klimawandels
26	11/2010	10/2013	MedVetStaph	Verbund MedVetStaph: MRSA in der Lebensmittelkette (IP3)
27	11/2010	10/2013	RESET	Verbund RESET: Charakterisierung neuer Resistenzmechanismen (IP1) und Risikobewertung der Resistenzen (IP2) gegen $\beta$ -Laktam-Antibiotika mit erweitertem Wirkungsspektrum (ESBLs) und (Fluoro)quinolone
28	02/2011	01/2014	FBI-Zoo2	Verbund FBI-Zoo 2: Salmonellen in der Geflügel-Lebensmittelkette: Ausbruchspotential, Abstammung und Pathogenese (TP12)
29	10/2011	09/2013	LA-MRSA	Methicillin-resistente <i>Staphylococcus aureus</i> -Linien in der Primärproduktion: ubiquitärer Keim, Kontaminant oder Rekontaminant zwischen Tier und Mensch?
30	10/2011	09/2013	3D-Vollhautmodelle	Verifizierung der metabolischen Kompetenz und Prävalidierung des Comet-Assays an ausgewählten 3D-Vollhautmodellen

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4	10/2007	01/2011	FBI-Zoo	Integrated network: Food-Borne Zoonotic Infections of Humans, sub-project: Hazard identification of <i>Salmonella</i> in the food chain (TP3)
5	01/2008	06/2011	PathoSafe	Epidemiological studies as the basis for the risk assessment of the agents applied
6	01/2008	06/2011	<i>Clostridium botulinum</i> – Threat to food from toxins and spores	<i>Clostridium botulinum</i> : Exposure of foodstuffs by toxins and spores
7	01/2008	03/2011	Viruskontam	Risk of deliberate contamination of food with human pathogenic viruses
8	01/2008	06/2011	Brucellakontam	Intentional use of highly pathogenic agents in the food chain taking <i>Brucella</i> as example
9	01/2008	06/2012	Modell-Kontam	Development of methods and identification of information needed to model the consequences of the intentional release of agents
10	02/2008	04/2011	Campyquant	Application of bacteriophages for quantitative reduction of <i>Campylobacter</i> in broiler chickens
11	07/2008	06/2011		Development of a biotransformation system for the metabolic activation of validated <i>in vitro</i> systems to identify embryotoxicity
12	01/2009	05/2011		Integrated network project: Pluripotent stem cells in the automated prediction of developmental osteotoxicity, sub-project 3: Development and establishment of an osteoblast differentiation assay
13	01/2009	12/2011		Mechanisms and minimisation of matrix effects in quantitative trace analytics with electrospray mass spectrometry
14	02/2009	07/2011		Characterization of the metabolic capacity of <i>in vitro</i> skin models for the identification of an optimal model for toxicity testing and exposure assessment of substances with dermal biotransformation, sub-project 1
15	06/2009	05/2012		Go3R development and establishment of a semantic search engine for alternatives to animal experiments
16	09/2009	08/2012		Development of innovative rapid test and screening methods for on-site detection of food-borne allergens in product development and control

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17	12/2009	11/2012		Characterization of the zoonotic potential of poultry rotaviruses
18	01/2010	12/2013	SFB 852	Nutrition and intestinal microbiota – host interaction in the pig
19	07/2010	06/2012		Development of a contact allergen activated T cell (CAATC) assay using dendritic cells from skin: characterization of the sensitizing potency of chemicals via dendritic cell-induced expression of lineage specific T cell transcription
20	08/2010	07/2012		Extended prevalidation study to test the toxic effect of inhalable substances (gases) after direct exposure of human lung cells at the air/liquid interface, sub-project 4
21	08/2010	07/2013	NanoGEM	Nanostructured materials – health, exposure and material properties
22	09/2010	08/2012	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
23	10/2010	09/2014	SiLeBAT	Securing the feed and food chain in the event of biological and agri-terrorist (BAT) damage scenarios
24	11/2010	10/2013	gastrointestinal barrier	Interaction between metabolism and transport of toxicologically relevant compounds in the gastrointestinal barrier
25	11/2010	10/2013	VibrioNet	VibrioNet: Climate warming and the emergence of seafood- and waterborne vibriosis
26	11/2010	10/2013	MedVetStaph	Interdisciplinary research network MedVetStaph: MRSA in the food chain (IP3)
27	11/2010	10/2013	RESET	Integrated network RESET: Characterisation of new resistance mechanisms (IP1) and risk assessment of the resistances (IP2) to beta lactam antibiotics with extended spectrum (ESBLs) and (fluoro) quinolones
28	02/2011	01/2014	FBI-Zoo2	Integrated network: Food-Borne Zoonotic Infections of Humans, sub-project: <i>Salmonella</i> in the poultry food chain: outbreak potential, evolution, and pathogenicity
29	10/2011	09/2013	LA-MRSA	Methicillin-resistant <i>Staphylococcus aureus</i> lineages in primary productions: multi-host pathogen, spill-over and spill-back between animals and humans
30	10/2011	09/2013	3D skin models	Verification of the metabolic competence and prevalidation of the Comet assay in human 3D skin models