

Veröffentlichungen in wissenschaftlichen Journals 2012

Publications in scientific journals 2012

A

- Abraham, K., H. Mielke, and A. Lampen.** 2012. Hazard characterization of 3-MCPD using benchmark dose modeling: Factors influencing the outcome (Commentary). *Eur J Lipid Sci Technol* **114**: 1225–1226.
- Achtman, M., J. Wain, F. X. Weill, S. Nair, Z. Zhou, V. Sangal, M. G. Krauland, J. L. Hale, H. Harbottle, A. Uesbeck, G. Dougan, L. H. Harrison, S. Brisse, and The *S. enterica* MLST study group.** 2012. Multilocus Sequence Typing as a replacement for serotyping in *Salmonella enterica*. *PLoS Pathog* **8**: e1002776.
- Al Dahouk, S., E. Hofer, H. Tomaso, G. Vergnaud, P. Le Fleche, A. Cloeckaert, M. S. Koylass, A. M. Whatmore, K. Nöckler, and H. C. Scholz.** 2012. Intraspecies biodiversity of the genetically homologous species *Brucella microti*. *Applied and Environmental Microbiology* **78**: 1534–1543.
- Appel, B., A. Mader, J. Bräunig, H. Wichmann-Schauer, and A. Käsbohrer.** 2012. Improving the Security of Food Chains against Natural, Accidental and Deliberate Contaminations. *Communications in Computer and Information Science* **318**: 454–461.
- Argudin, M. A., M. C. Mendoza, M. A. Gonzalez-Hevia, M. Barnes, B. Guerra, and M. R. Rodicio.** 2012. Genotypes, exotoxin gene content, and antimicrobial resistance of *Staphylococcus aureus* strains recovered from foods and food handlers. *Appl Environ Microbiol* **78**: 2930–2935.
- Argudin, M. A., V. Argumosa, M. C. Mendoza, B. Guerra, and M. R. Rodicio.** 2012. Population structure and exotoxin gene content of methicillin-susceptible *Staphylococcus aureus* from Spanish healthy carriers. *Microb Pathog* **54**: 26–33.

B

- Bal-Price, A. K., S. Coecke, L. Costa, K. M. Crofton, E. Fritsche, A. Goldberg, P. Grandjean, P. J. Lein, A. Li, R. Lucchini, W. R. Mundy, S. Padilla, A. M. Persico, A. Seiler, and J. Kreysa.** 2012. Advancing the science of developmental neurotoxicity (DNT): testing for better safety evaluation. *Altex-Alternativen zu Tierexperimenten* **29**: 202–215.
- Banerji, S., B. Werschkun, and T. Höfer.** 2012. Assessing the risk of ballast water treatment to human health. *Regulatory Toxicology and Pharmacology* **62**: 513–522.
- Berg, K., S. Goemann, O. Lindtner, and G. Heinemeyer.** 2012. Bitterschokoladenverzehr in Deutschland. Ergebnisse einer Ad-hoc-Bevölkerungsbefragung. *Ernährungsumschau* **59**: 626–631.
- Beutin, L., and A. Martin.** 2012. Outbreak of Shiga toxin-producing *Escherichia coli* (STEC) O104:H4 infection in Germany causes a paradigm shift with regard to human pathogenicity of STEC strains. *J Food Prot* **75**: 408–418.

C

- Beutin, L., J. Hammerl, E. Strauch, J. Reetz, R. Dieckman, Y. Kelner-Burgos, A. Martin, A. Miko, N. A. Strockbine, B. A. Lindstedt, D. Horn, H. Monse, B. Huettel, I. Müller, K. Stüber, and R. Reinhardt.** 2012. Spread of a distinct Stx2-encoding phage prototype among *Escherichia coli* O104:H4 strains from outbreaks in Germany, Norway, and Georgia. *J Virol* **86**: 10444–10455.
- Beutlich, J., B. Guerra, A. Schroeter, M. Arvand, I. Szabo, and R. Helmuth.** 2012. Highly ciprofloxacin resistant *Salmonella enterica* serovar Kentucky isolates in turkey meat and a human patient. *Berl Münch Tierärztl Wochenschr* **125**: 89–95.
- Bialk-Bielinska, A., J. Maszkowska, W. Mrozik, A. Bielawska, M. Kolodziejska, R. Palavinskas, P. Stepnowski, and J. Kumirska.** 2012. Sulfadimethoxine and sulfaguanidine: Their sorption potential on natural soils. *Chemosphere* **86**: 1059–1065.
- Bodi, D., H. Fry, H. Schafft, M. Lahrssen-Wiederholz, and A. Preiss-Weigert.** 2012. Carryover of Maduramicin from Feed Containing Cross-Contamination Levels into Eggs of Laying Hens. *Journal of Agricultural and Food Chemistry* **60**: 6946–6952.
- Boehmert, L., B. Niemann, A. F. Thunemann, and A. Lampen.** 2012. Cyto-toxicity of peptide-coated silver nanoparticles on the human intestinal cell line Caco-2. *Arch Toxicol* **86**: 1107–1115.
- Bratz, K., R. Bucker, G. Golz, S. S. Zakrzewski, P. Janczyk, K. Nöckler, and T. Alter.** 2012. Experimental infection of weaned piglets with *Campylobacter coli* – Excretion and translocation in a pig colonisation trial. *Vet Microbiol* **162**: 136–143.
- Brinkmann, J., K. Stolpmann, S. Trappe, T. Otter, D. Genkinger, U. Bock, M. Liebsch, F. Henkler, C. Hutzler, and A. Luch.** 2012. Metabolically competent human skin models: Activation and genotoxicity of benzo[a]pyrene. *Toxicological Sciences* **131**: 351–359.
- Bührke, T., R. Merkel, I. Lengler, and A. Lampen.** 2012. Absorption and metabolism of cis-9,trans-11-CLA and of its oxidation product 9,11-furan fatty acid by Caco-2 cells. *Lipids* **47**: 435–442.
- Buschulte, A., B. Müller-Wahl, A. Käsbohrer, and B. Appel.** 2012. Vulnerability assessment in the food chain – A way to do it. *Communications in Computer and Information Science* **318**: 448–453.

D

- Divi, R. L., A. Luch, M. Verma, and B. Mahadevan.** 2012. CYP1B1 detection. *Current Protocols in Toxicology* **1**: 4.38.1–4.38.26.
- Dremsek, P., J. J. Wenzel, R. John, M. Ziller, J. Hofmann, M. H. Groschup, S. Werdermann, U. Mohn, S. Dorn, M. Motz, M. Mertens, W. Jilg, and R. G. Ulrich.** 2012. Seroprevalence study in forestry workers from eastern Germany using novel genotype 3- and rat hepatitis E virus-specific immunoglobulin G ELISAs. *Med Microbiol Immunol* **201**: 189–200.

E

- Eckardt, K., J. Kaltenhauser, C. Kilb, A. Seiler, and R. Stahmann.** 2012. Relative potency of albendazole and its sulfoxide metabolite in two *in-vitro*-tests for developmental toxicity: The rat whole embryo culture and the mouse embryonic stem cell test. *Reproductive Toxicology* **34**: 378.
- Ellerbroek, L.** 2012. Workshop zur praktischen Umsetzung der visuellen Untersuchung im Rahmen der risikoorientierten Fleischuntersuchung. *Rdschau Fleischhygiene u. Lebensmittelüberwachung* **1/2012**: 30–31.
- Epp, A., M. Lohmann, B. Röder, and G.-F. Böll.** 2012. Risikokommunikation des Bundesinstituts für Risikobewertung bei einem lebensmittelbedingten Ausbruch. *Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz* **56**: 102–109.
- Eskes, C., V. Detappe, H. Koeter, J. Kreysa, M. Liebsch, V. Zuang, P. Amcoff, J. Barroso, J. Cotovio, R. Guest, M. Hermann, S. Hoffmann, P. Masson, N. Alepee, L. A. Arce, B. Bruschweiler, T. Catone, R. Cihak, J. Clouzeau, F. D'Abrosca, C. Delveaux, J. P. Derouette, O. Engelking, D. Facchini, M. Frohlicher, M. Hofmann, N. Hopf, J. Molinari, A. Oberli, M. Ott, R. Peter, V. M. Sa-Rocha, D. Schenk, C. Tomicic, P. Vanparnis, B. Verdon, T. Wallenhorst, G. C. Winkler, and O. Depallens.** 2012. Regulatory assessment of *in-vitro*-skin corrosion and irritation data within the European framework: Workshop recommendations. *Regulatory Toxicology and Pharmacology* **62**: 393–403.

F

- Filter, M., C. Thöns, A. Käsbohrer, and B. Appel.** 2012. Exploitation of Commercial B2B Data for Risk Assessment Tasks in Foodborne Crisis Events. *Future Security Communications in Computer and Information Science* **318**: 471–474.
- Fischer, J., I. Rodríguez, S. Schmoger, A. Friese, U. Rösler, R. Helmuth, and B. Guerra.** 2012. *Salmonella enterica* subsp. *enterica* producing VIM-1 carbapenemase isolated from livestock farms. *J Antimicrob Chemother* **68**: 478–480.
- Fischer, J., I. Rodriguez, S. Schmoger, A. Friese, U. Rösler, R. Helmuth, and B. Guerra.** 2012. *Escherichia coli* producing VIM-1 carbapenemase isolated on a pig farm. *J Antimicrob Chemother* **67**: 1793–1795.
- Fischer-Tenhagen, C., B. A. Tenhagen, and W. Heuwieser.** 2012. Short communication: Ability of dogs to detect cows in estrus from sniffing saliva samples. *J Dairy Sci* **96**: 1081–1084.
- Fries, R., G. Rindermann, C. Siegling-Vlitakis, N. Bandick, L. Brautigam, A. Buschulte, H. Irsigler, K. Wolf, and H. Hartmann.** 2012. Blood parameters and corneal-reflex of finishing pigs with and without lung affections observed post mortem in two abattoirs stunning with CO₂. *Res Vet Sci* **94**: 186–190.

- Friese, A., J. Schulz, L. Hoehle, A. Fetsch, B. A. Tenhagen, J. Hartung, and U. Rösler.** 2012. Occurrence of MRSA in air and housing environment of pig barns. *Vet Microbiol* **158**: 129–135.

- Führer, M., O. Peron, T. Höfer, M. Morrissette, and S. Le Floch.** 2012. Offshore experiments on styrene spillage in marine waters for risk assessment. *Marine Pollution Bulletin* **64**: 1367–1374.

G

- Garcia-Migura, L., M. Sunde, S. Karlsmose, K. Veldman, A. Schroeter, B. Guerra, S. A. Granier, A. Perrin-Guyomard, M. Gicquel-Bruneau, A. Franco, S. Englund, C. Teale, H. Heiska, L. Clemente, P. Boerlin, M. A. Moreno, D. Daignault, D. Mevius, R. S. Hendriksen, and F. M. Aarestrup.** 2012. Establishing streptomycin epidemiological cut-off values for *Salmonella* and *Escherichia coli*. *Microb Drug Resist* **18**: 88–93.

- Gaspar, L. R., J. Tharmann, P. M. Maia Campos, and M. Liebsch.** 2012. Skin phototoxicity of cosmetic formulations containing photounstable and photostable UV-filters and vitamin A palmitate. *Toxicology in vitro* **27**: 418–425.
- Glaser, N., and H. Stopper.** 2012. Patulin: mechanism of genotoxicity. *Food Chem Toxicol* **50**: 1796–1801.

- Groß, S., M. Greiner, A. Mayer-Scholl, A. Käsbohrer, L. Ellerbroek, C. Nöckler, and C. Müller-Graf.** 2012. Surveillance-Systeme zur Herdenstatusüberwachung: Konzepte und deren Sicherheit für den *Trichinella*-freien Herdenstatus in Schweinemastbetrieben. Berliner und Münchener Tierärztliche Wochenzeitschrift **125**: 482–493.

- Grune, B., A. Doerendahl, S. Skolik, A. Luch, and D. Butzke.** 2012. Information retrieval on alternative methods to animal experiments – One of the factors that affect implementation of the three Rs in research and testing. *ALTEX Proceedings* **1**: 315–317.

- Gundert-Remy, U., H. Mielke, and U. Bernauer.** 2012. Commentary: Dermal penetration of bisphenol A – consequences for risk assessment. *Toxicology Letters* **81A**: 1–3.

- Gundert-Remy, U., F. Partosch, H. Mielke, and R. Stahmann.** 2012. Alkohol und Stillen: Eine Risikoabschätzung auf Grundlage von physiologisch basierter Modellierung von Alkoholkonzentrationen im Säugling. *Suchtmedizin in Forschung und Praxis* **14**: 17–25.

- Gwidia, M., H. Neubauer, Z. Ilhan, G. Schmoock, F. Melzer, K. Nöckler, P. Janczyk, H. Tomaso, U. Rösler, and S. Al Dahouk.** 2012. Cross-border molecular tracing of brucellosis in Europe. *Comparative Immunology, Microbiology and Infectious Diseases* **35**: 181–185.

H

- Haase, A., A. Mantion, P. Graf, J. Plendl, A. F. Thuenemann, W. Meier, A. Taubert, and A. Luch.** 2012. A novel type of silver nanoparticles and their advantages in toxicity testing in cell culture systems. *Archives of Toxicology* **86**: 1089–1098.
- Haase, A., S. Rott, A. Mantion, P. Graf, J. Plendl, A. F. Thünenmann, W. P. Meier, A. Taubert, A. Luch, and G. Reiser.** 2012. Effects of silver nanoparticles on primary mixed neural cell cultures: Uptake, oxidative stress and acute calcium responses. *Toxicological Sciences* **126**: 457–469.

- Hackert, V. H., W. van der Hoek, N. Dukers-Muijres, A. de Bruin, S. Al Dahouk, H. Neubauer, C. A. Bruggeman, and C. J. Hoebe. 2012. Q fever: single-point source outbreak with high attack rates and massive numbers of undetected infections across an entire region. *Clin Infect Dis* **55**: 1591–1599.
- Hahn, A., H. Michalak, K. Begemann, H. Meyer, and R. Burger. 2012. Expert judgement of poisonings and human biomonitoring – the BfR three-level and matrix model. *Int J Hyg Environ Health* **215**: 242–246.
- Hall, A. P., C. R. Elcombe, J. R. Forster, T. Harada, W. Kaufmann, A. Knipfel, K. Küttler, D. E. Malarkey, R. R. Maronpot, A. Nishikawa, T. Nolte, A. Schulte, V. Strauss, and M. J. York. 2012. Liver Hypertrophy: A Review of Adaptive (Adverse and Non-adverse) Changes-Conclusions from the 3rd International ESTP Expert Workshop. *Toxicologic Pathology* **40**: 971–994.
- Hammerl, J. A., B. Freytag, E. Lanka, B. Appel, and S. Hertwig. 2012. The pYV virulence plasmids of *Y. pseudotuberculosis* and *Y. pestis* contain a conserved DNA region responsible for the mobilization by the self-transmissible plasmid pYE854. *Environ Microbiol Reports* **4**: 433–438.
- Hammerl, J. A., C. Jackel, J. Reetz, and S. Hertwig. 2012. The complete genome sequence of bacteriophage CP21 reveals modular shuffling in *Campylobacter* group II phages. *J Virol* **86**: 8896.
- Hartung, M., and A. Käsbohrer. 2012. Ergebnisse der Zoonosenerhebung 2011 bei Lebensmitteln in Deutschland. *Fleischwirtschaft* **92**: 109–116.
- Hauser, E., E. Tietze, R. Helmuth, E. Junker, R. Prager, A. Schroeter, W. Rabsch, A. Fruth, A. Toboldt, and B. Malorny. 2012. Clonal dissemination of *Salmonella enterica* serovar Infantis in Germany. *Foodborne Pathog Dis* **9**: 352–360.
- Heinke, V. 2012. Gesundheitliche Beurteilung von Materialien und Gegenständen für den Lebensmittelkontakt im Rahmen des Lebensmittel- und Futtermittelgesetzbuches – 214. Mitteilung. *Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz* **55**: 291–294.
- Heinzow, B., G. Ostendorp, G. Werner, and A. Hahn. 2012. Gesundheitsbeschwerden nach Kerndämmung mit UF-Ortschaum. *Gefahrstoffe – Reinhaltung der Luft* **72**: 79–82.
- Heise, T., M. Schug, D. Storm, H. Ellinger-Ziegelbauer, H. J. Ahr, B. Hellwig, J. Rahnenführer, A. Ghallab, G. Guenther, J. Sisnaiske, R. Reif, P. Godoy, H. Mielke, U. Gundert-Remy, A. Lampen, A. Oberemm, and J. G. Hengstler. 2012. In-vitro-in-vivo-correlation of gene expression alterations induced by liver carcinogens. *Curr Med Chem* **19**: 1721–1730.
- Henkler, F., T. Tralau, J. Tentschert, C. Kneuer, A. Haase, T. Platzek, A. Luch, and M. E. Götz. 2012. Risk assessment of nanomaterials in cosmetics: A European Union perspective. *Archives of Toxicology* **86**: 1641–1646.
- Hensel, A., and G. Correia-Carreira. 2012. Primär- und Sekundärstandards im Lebensmittelbereich aus Sicht der Risikobewertung und Risikokommunikation. *Moderne Ernährung heute* **4**: 1–10.
- Herrmann, K., W. Engst, K. E. Appel, B. H. Monien, and H. Glatt. 2012. Identification of human and murine sulfotransferases able to activate hydroxylated metabolites of methyl-eugenol to mutagens in *Salmonella typhimurium* and detection of associated DNA adducts using UPLC-MS/MS methods. *Mutagenesis* **27**: 453–462.
- Hitzler, M., O. Majdic, G. Heine, M. Worm, G. Ebert, A. Luch, and M. Peiser. 2012. Human Langerhans cells control Th Cells via programmed death-ligand 1 in response to bacterial stimuli and nickel-induced contact allergy. *PLoS One* **7**: e46776.

Hofer, E., S. Revilla-Fernandez, S. Al Dahouk, J. M. Riehm, K. Nöckler, M. S. Zygmunt, A. Cloeckaert, H. Tomaso, and H. C. Scholz. 2012. A potential novel *Brucella* species isolated from mandibular lymph nodes of red foxes in Austria. *Vet Microbiol* **155**: 93–99.

J

- Jbeily, N., I. Suckert, F. A. Gonnert, B. Acht, C. L. Bockmeyer, S. D. Grossmann, M. F. Blaess, A. Lüth, H. P. Deigner, M. Bauer, and R. A. Claus. 2012. Hyperresponsiveness of mice deficient in plasma-secreted sphingomyelinase reveals its pivotal role in early phase of host response. *Journal of Lipid Research* **54**: 410–424.
- John, A., S. Hessel, A. Lampen, and A. Seidel. 2012. Analysis of GSH Conjugates of Bay- and Fjord-Region Dihydrodiol Epoxides of Benzo[a]pyrene and Dibenzo[a,l]pyrene and their Transport in Enterocyte-like Caco-2 Cells. *Polycyclic Aromatic Compounds* **32**: 221–237.
- John, A., A. Fetsch, and B. Kraushaar. 2012. Organisation, Durchführung und Ergebnisse eines Ringversuches zur Validierung einer qualitativen und einer quantitativen Methode zum Nachweis von MRSA in Hackfleisch. *Rundschau für Fleischhygiene und Lebensmittelüberwachung* **3**: 90–91.
- John, R., P. Dremsek, E. Kindler, A. Schielke, A. Plenge-Bonig, H. Gregersen, U. Wessels, K. Schmidt, W. Rietschel, M. H. Groschup, S. Guenther, G. Heckel, and R. G. Ulrich. 2012. Rat hepatitis E virus: geographical clustering within Germany and serological detection in wild Norway rats (*Rattus norvegicus*). *Infect Genet Evol* **12**: 947–956.
- Jungnickel, H., J. Tentschert, and A. Luch. 2012. Monitoring oxidative stress biomarkers in the lipidome: Is there a roadmap for „Human Inspection“? *Current Molecular Medicine* **12**: 716–731.

K

- Kalkhof, H., M. Herzler, R. Stahlmann, and U. Gundert-Remy. 2012. Threshold of toxicological concern values for non-genotoxic effects in industrial chemicals: re-evaluation of the Cramer classification. *Archives of Toxicology* **86**: 17–25.
- Käsbohrer, A., A. Schroeter, B.-A. Tenhagen, K. Alt, B. Guerra, and B. Appel. 2012. Emerging Antimicrobial Resistance in Commensal *Escherichia coli* with Public Health Relevance. *Zoonoses and Public Health* **59**: 158–165.
- Käsbohrer, A., M. Filter, A. Körner, A. Mader, J. Zentek, and B. Appel. 2012. Model for the Assessment of Microbiological Risks Originating From Intentional Contaminations in Feed Chains. *Communications in Computer and Information Science* **318**: 466–470.
- Köck, R., B. Lassok, and A. Fetsch. 2012. Risiko für Landwirte oder Verbraucher? – MRSA in der Nahrungskette. *FOOD-Lab* **2**: 18–20.
- Köck, R., K. Becker, M. Bischoff, C. Curry, T. Eckmanns, A. Fetsch, D. Harmsen, S. Schwarz, T. Selhorst, B. A. Tenhagen, B. Walther, W. Witte, and W. Ziebur. 2012. Zur Bedeutung von MRSA als Erreger zoonotischer Erkrankungen in Deutschland. *Hygiene & Medizin* **37**: 502–506.
- Koletzko, B., C. P. Bauer, P. Bung, M. Cremer, M. Flöthkötter, C. Hellmers, M. Kersting, M. Krawinkel, H. Przyrembel, R. Rasenack, T. Schafer, K. Vetter, U. Wahn, A. Weissenborn, and A. Wockel. 2012. Nutrition in pregnancy – Practice recommendations of the Network „Healthy Start – Young Family Network“ Teil 1. *Dtsch Med Wochenschr* **137**: 1309–1313.

Koletzko, B., C. P. Bauer, P. Bung, M. Cremer, M. Flöthkötter, C. Hellmers, M. Kersting, M. Krawinkel, H. Przyrembel, R. Rasenack, T. Schafer, K. Vetter, U. Wahn, A. Weissenborn, and A. Wockel. 2012. Nutrition in pregnancy – Practice recommendations of the Network „Healthy Start – Young Family Network“ Teil 2. *Dtsch Med Wochenschr* **137**: 1366–1372.

Koleva, I. I., T. A. van Beek, A. E. Soffers, B. Dusemund, and I. M. Rietjens. 2012. Alkaloids in the human food chain – natural occurrence and possible adverse effects. *Mol Nutr Food Res* **56**: 30–52.

Koralage, M. S. G., T. Alter, D. Pichpol, E. Strauch, K. H. Zessin, and S. Huehn. 2012. Prevalence and molecular characteristics of *Vibrio* spp. isolated from preharvest shrimp of the North Western Province of Sri Lanka. *Food Protection Trends* **75**: 1846–1850.

Kraemer, N., G. Neubert, L. Issa, O. Ninnemann, A. Seiler, and A. M. Kaindl. 2012. Reference genes in the developing murine brain and in differentiating embryonic stem cells. *Neurological Research* **34**: 664.

Kreasukon, K., A. Fetsch, B. Kraushaar, K. Alt, K. Müller, V. Kromker, K. H. Zessin, A. Käsbohrer, and B. A. Tenhagen. 2012. Prevalence, antimicrobial resistance, and molecular characterization of methicillin-resistant *Staphylococcus aureus* from bulk tank milk of dairy herds. *J Dairy Sci* **95**: 4382–4388.

Kreuz, G., J. Zagon, H. Broll, C. Bernhardt, B. Linke, and A. Lampen. 2012. Immunological detection of osteocalcin in meat and bone meal: a novel heat stable marker for the investigation of illegal feed adulteration. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess* **29**: 716–726.

Kreuzer, S., P. Janczyk, J. Assmus, M. F. Schmidt, G. A. Brockmann, and K. Nöckler. 2012. No beneficial effects evident for *Enterococcus faecium* NCIMB 10415 in weaned pigs infected with *Salmonella enterica* serovar typhimurium DT104. *Appl Environ Microbiol* **78**: 4816–4825.

Kreuzer, S., P. Machnowska, J. Assmus, M. Sieber, R. Pieper, M. F. Schmidt, G. A. Brockmann, L. Scharek-Tedin, and R. Johne. 2012. Feeding of the probiotic bacterium *Enterococcus faecium* NCIMB 10415 differentially affects shedding of enteric viruses in pigs. *Vet Res* **42**: 58.

L

Lengler, I., T. Bührke, E. Scharmach, and A. Lampen. 2012. In-vitro-Toxicological and Proteomic Analysis of Furan Fatty Acids Which are Oxidative Metabolites of Conjugated Linoleic Acids. *Lipids* **47**: 1085–1097.

Luch, A. 2012. Waterpipe smoking: A new tobacco pandemic entailing severe health risks? *Archives of Toxicology* **86**: 1161–1162.

Lüth, A., C. Neuber, and B. Kleuser. 2012. Novel Methods for Quantitation of (2E)-hexadecenal by Liquid Chromatography with Detection either by ESI Q-TOF Tandem Mass Spectrometry or by Fluorescence Measurement. *Analytica Chimica Acta* **722**: 70–79.

M

Matthijssens, J., P. H. Otto, M. Ciarlet, U. Desselberger, M. Van Ranst, and R. Johne. 2012. VP6-sequence-based cutoff values as a criterion for rotavirus species demarcation. *Arch Virol* **157**: 1177–1182.

Mayer, C., M. Fredriksson-Ahomaa, S. Kleta, L. Ellerbroek, S. Thiel, and E. Märtlbauer. 2012. Occurrence of *L. monocytogenes* in ready-to-eat poultry products available on the German market. *Food Research International* **48**: 944–947.

Merle, R., P. Hajek, A. Käsbohrer, C. Hegger-Gravenhorst, Y. Mollenhauer, M. Robanus, F. R. Ungemach, and L. Kreienbrock. 2012. Monitoring of antibiotic consumption in livestock: a German feasibility study. *Prev Vet Med* **104**: 34–43.

Mielke, H., and U. Gundert-Remy. 2012. Physiologically based toxicokinetic modelling as a tool to support risk assessment: three case studies. *Journal of Toxicology* 2012. doi: 10.1155/2012/359471.

Mungube, E. O., D. M. Sila, C. W. Kariuki, S. M. Bauni, B. A. Tenhagen, L. Wamae, J. Nginyi, and G. A. Omondi. 2012. A cross-sectional survey on fasciolosis in selected settlements of Taveta Division, Coast Province, Kenya. *Livestock Research for Rural Development* **24**: 58.

Muniesa, M., J. A. Hammerl, S. Hertwig, B. Appel, and H. Brussow. 2012. Shiga toxin-producing *Escherichia coli* O104:H4: a new challenge for microbiology. *Appl Environ Microbiol* **78**: 4065–4073.

N

Naumann, A., H. Seefeld, I. Stephan, U. Braun, and M. Noll. 2012. Material resistance of flame retarded wood-polymer composite against fire and fungal decay. *Polymer Degradation and Stability* **97**: 1189–1196.

Nicken, P., N. Brauer, A. Lampen, and P. Steinberg. 2012. Influence of a fat-rich diet, folic acid supplementation and a human-relevant concentration of 2-amino-1-methyl-6-phenylimidazo-[4,5-b]pyridine on the induction of preneoplastic lesions in the rat colon. *Arch Toxicol* **86**: 815–821.

Niemann, L., K. Grote, S. Stoll, C. Gericke, and I. Chahoud. 2012. Examination of Japanese quicks in one-generation feeding studies for effects of the agrochemicals dimethoate, fentin hydroxide, and vinclozolin on skeletal development. *Avian Biology Research* **5**: 40–46.

O

Oeleker, K., S. Hühn, R. Pund, G. Götz, G. Hildebrandt, J. Kleer, and T. Alter. 2012. Mikrobiologische Untersuchungen von Kaviar verschiedener Fischarten aus dem Handel. *Rundschau für Fleischhygiene und Lebensmittelüberwachung* **64**: 19.

Ogden, K. M., R. Johne, and J. T. Patton. 2012. Rotavirus RNA polymerases resolve into two phylogenetically distinct classes that differ in their mechanism of template recognition. *Virology* **431**: 50–57.

Orquera, S., G. Golz, S. Hertwig, J. Hammerl, D. Sparborth, A. Joldic, and T. Alter. 2012. Control of *Campylobacter* spp. and *Yersinia enterocolitica* by virulent bacteriophages. *J Mol Genet Med* **6**: 273–278.

Orquera, S., S. Hertwig, J. A. Hammerl, G. Golz, and T. Alter. 2012. Einsatz von Bakteriophagen zur Bekämpfung von pathogenen Mikroorganismen in der Lebensmittelkette. *RFL* **10**: 367–369.

Otto, P. H., M. U. Ahmed, H. Hotzel, P. Machnowska, J. Reetz, B. Roth, E. Trojnar, and R. Johne. 2012. Detection of avian rotaviruses of groups A, D, F and G in diseased chickens and turkeys from Europe and Bangladesh. *Vet Microbiol* **156**: 8–15.

P

- Peiser, M., T. Platzek, and A. Luch.** 2012. Bewertung des sensibilisierenden Potenzials von Stoffen in Kosmetika und Bedarfsgegenständen. Wie werden Inhaltsstoffe von Kosmetika und Bedarfsgegenständen heute und morgen in Europa getestet? Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz **55:** 373–379.
- Peiser, M., T. Tralau, J. Heidler, A. M. Api, J. H. Arts, D. A. Bassketter, J. English, T. L. Diepgen, R. C. Fuhlbriige, A. A. Gaspari, J. D. Johansen, A. T. Karlberg, I. Kimber, J. P. Lepoittevin, M. Liebsch, H. I. Maibach, S. F. Martin, H. F. Merk, T. Platzek, T. Rustemeyer, A. Schnuch, R. J. Vandebriel, I. R. White, and A. Luch.** 2012. Allergic contact dermatitis: Epidemiology, molecular mechanisms, *in-vitro*-methods and regulatory aspects: Current knowledge assembled at an international workshop at BfR, Germany. Cellular and Molecular Life Sciences **69:** 763–781.
- Pirow, R., B. Schäfer, and T. Platzek.** 2012. Gesundheitliche Bewertung von Bekleidungstextilien. Textilveredlung Textilchemie **47:** 11–15.

R

- Reemtsma, Th., L. Alder, and U. Banasiak.** 2012. A multimethod for the determination of 150 pesticide metabolites in surface water and groundwater using direct injection liquid chromatography-mass spectrometry. Journal of Chromatography A **1271:** 95–104.
- Reifferscheid, G., H. M. Maes, B. Allner, J. Badurova, S. Belkin, K. Bluhm, F. Brauer, J. Bressling, S. Domeneghetti, T. Elad, S. Fluckiger-Isler, H. J. Grummt, R. Gürtler, A. Hecht, M. B. Heringa, H. Hollert, S. Huber, M. Kramer, A. Magdeburg, H. T. Ratte, R. Sauerborn-Klobucar, A. Sokolowski, P. Soldan, T. Smits, D. Stalter, P. Venier, C. Ziemann, J. Zipperle, and S. Buchinger.** 2012. International round-robin study on the Ames fluctuation test. Environ Mol Mutagen **53:** 185–197.
- Richter, A., R. Sting, C. Popp, J. Rau, B. A. Tenhagen, B. Guerra, H. M. Hafez, and A. Fetsch.** 2012. Prevalence of types of methicillin-resistant *Staphylococcus aureus* in turkey flocks and personnel attending the animals. Epidemiol Infect **140:** 2223–2232.
- Richter, K., D. Rubin, and A. Lampen.** 2012. Current aspects in risk assessment of allergen traces in foodstuffs. Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz **55:** 394–401.
- Riebeling, C., K. Hayess, A. K. Peters, M. Steemans, H. Spielmann, A. Luch, and A. Seiler.** 2012. Assaying embryotoxicity in the test tube: Current limitations of the embryonic stem cell test (EST) challenging its applicability domain. Critical Reviews in Toxicology **42:** 443–464.
- Rodriguez, I., M. R. Rodicio, B. Guerra, and K. L. Hopkins.** 2012. Potential international spread of multidrug-resistant invasive *Salmonella enterica* serovar Enteritidis. Emerg Infect Dis **18:** 1173–1176.
- Rodriguez, I., S. Jahn, A. Schroeter, B. Malorny, R. Helmuth, and B. Guerra.** 2012. Extended-spectrum beta-lactamases in German isolates belonging to the emerging monophasic *Salmonella enterica* subsp. enterica serovar typhimurium 4,[5],12:i:- European clone. J Antimicrob Chemother **67:** 505–508.

S

- Sachsenroder, J., S. Twardziok, J. A. Hammerl, P. Janczyk, P. Wrede, S. Hertwig, and R. Johne.** 2012. Simultaneous identification of DNA and RNA viruses present in pig faeces using process-controlled deep sequencing. PLoS One **7:** e34631.
- Schäfer, B., A. Blume, M. Peiser, P. Apel, and T. Platzek.** 2012. Schönheit ohne Risiko – Aktuelle Probleme bei der Bewertung von UV-Filtersubstanzen in der EU. UIMID: Umwelt und Mensch – Informationsdienst **2:** 35–40.
- Scharmach, E., T. Bührke, D. Lichtenstein, and A. Lampen.** 2012. Perfluoroctanoic acid affects the activity of the hepatocyte nuclear factor 4 alpha (HNF4alpha). Toxicol Lett **212:** 106–112.
- Schauzu, M., A. Pötting, D. Rubin, and A. Lampen.** 2012. Assessment of allergenicity of genetically modified food crops. Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz **55:** 402–407.
- Schlesier, K., B. Kühn, M. Kiehntopf, K. Winnefeld, M. Roskos, R. Bitsch, and V. Böhm.** 2012. Comparative evaluation of green and black tea consumption on the iron status of omnivorous and vegetarian people. Food Research International **46:** 522–527.
- Schrader, C., A. Schielke, L. Ellerbroek, and R. Johne.** 2012. PCR inhibitors – occurrence, properties and removal. J Appl Microbiol **113:** 1014–1026.
- Schubert, J., J. Bewersdorff, A. Luch, and T. G. Schulz.** 2012. Waterpipe smoke: A considerable source of human exposure against furanic compounds. Analytica Chimica Acta **709:** 105–112.
- Schubert, J., V. Heinke, J. Bewersdorff, A. Luch, and T. G. Schulz.** 2012. Waterpipe smoking: The role of humectants in the release of toxic carbonyls. Archives of Toxicology **86:** 1309–1316.
- Schulz, J., A. Friese, S. Klees, B. A. Tenhagen, A. Fetsch, U. Rosler, and J. Hartung.** 2012. Longitudinal Study of the Contamination of Air and of Soil Surfaces in the Vicinity of Pig Barns by Livestock-Associated Methicillin-Resistant *Staphylococcus aureus*. Appl Environ Microbiol **78:** 5666–5671.
- Solecki, R., A. Abdellaue, T. Borges, K. Kallio-Mannila, H. Köpp, T. Mercier, V. Ritz, G. Schöning, and J. Tarazona.** 2012. Report of the Workshop on Harmonized Classification and Labelling (CLH) of Active Substances in Plant Protection Products. International Journal of Agricultural Chemistry **1:** 3.
- Sonnenburg, A., V. Ahuja, M. Schreiner, T. Platzek, and R. Stahlmann.** 2012. Assessment of the sensitizing potential of textile disperse dyes and some of their metabolites by the loose-fit coculture-based sensitization assay (LCSA). Archives of Toxicology **86:** 733–740.
- Sprague, L. D., S. Al Dahouk, and H. Neubauer.** 2012. A review on camel brucellosis: a zoonosis sustained by ignorance and indifference. Pathog Glob Health **106:** 144–149.
- Stahnke, H., S. Kittlaus, G. Kempe, C. Hemmerling, and L. Alder.** 2012. Influence of Electrospray Ion Source Design on Matrix Effects. J Mass Spectrom **47:** 875–884.
- Stingl, K., M.-T. Knüver, P. Vogt, C. Buhler, N.-J. Krüger, K. Alt, B.-A. Tenhagen, M. Hartung, A. Schroeter, L. Ellerbroek, B. Appel, and A. Käsbohrer.** 2012. Quo Vadis? – Monitoring *Campylobacter* in Germany. European Journal of Microbiology and Immunology **2:** 88–86.
- Stolpmann, K., J. Brinkmann, S. Salzmann, D. Genkinger, E. Fritzsche, C. Hutzler, H. Wajant, A. Luch, and F. Henkler.** 2012. Activation of the aryl hydrocarbon receptor sensitises human keratinocytes for CD95L- and TRAIL-induced apoptosis. Cell Death & Diseases **3:** e388.

Szabo, I., B. Beck, A. Friese, A. Fetsch, B. A. Tenhagen, and U. Roesler.

2012. Colonization kinetics of different methicillin-resistant *Staphylococcus aureus* sequence types in pigs and host susceptibilities. Appl Environ Microbiol **78:** 541–548.

T

- Theobald, A., D. Arcella, A. Carere, C. Croera, K.-H. Engel, D. Gott, R. Gürtler, D. Meier, I. Pratt, I. M. Rietjens, R. Simon, and R. Walker.** 2012. Safety assessment of smoke flavouring primary products by the European Food Safety Authority. Trends in Food Science & Technology **27:** 97–108.
- Toboldt, A., E. Tietze, R. Helmuth, A. Fruth, E. Junker, and B. Malorny.** 2012. Human infections attributable to the d-tartrate-fermenting variant of *Salmonella enterica* serovar Paratyphi B in Germany originate in reptiles and, on rare occasions, poultry. Appl Environ Microbiol **78:** 7347–7357.
- Tralau, T., and A. Luch.** 2012. „Drugs on oxygen“: An update and perspective on the role of cytochrome P450 testing in pharmacology. Expert Opinion on Drug Metabolism & Toxicology **8:** 1357–1362.
- Tralau, T., and A. Luch.** 2012. Drug-mediated toxicity: Illuminating the ‘bad’ in the test tube by means of cellular assays? Trends in Pharmacological Sciences **33:** 353–364.
- Tralau, T., C. Riebeling, R. Pirow, M. Oelgeschlager, A. Seiler, M. Liebsch, and A. Luch.** 2012. Wind of change challenges toxicological regulators. Environmental Health Perspectives **120:** 1489–1494.

V

- Van der Vos, K. E., P. Eliasson, T. Proikas-Cezanne, S. J. Vervoort, R. van Boxtel, M. Putker, I. J. van Zutphen, M. Mauthe, S. Zellmer, C. Pals, L. P. Verhagen, M. J. Groot Koerkamp, A. K. Braat, T. B. Dansen, F. C. Holstege, R. Gebhardt, B. M. Burgering, and P. J. Coffer.** 2012. Modulation of glutamine metabolism by the PI(3)K-PKB-FOXO network regulates autophagy. Nature Cell Biology **14:** 829–837.
- Van Hoek, A. H., J. R. de Jonge, W. M. van Overbeek, E. Bouw, A. Pielaat, J. H. Smid, B. Malorny, E. Junker, C. Löfström, K. Pedersen, H. J. Aarts, and L. Heres.** 2012. A quantitative approach towards a better understanding of the dynamics of *Salmonella* spp. in a pork slaughter-line. Int J Food Microbiol **153:** 45–52.
- Visan, A., K. Hayess, D. Sittner, E. E. Pohl, C. Riebeling, B. Slawik, K. Gulich, M. Oelgeschlager, A. Luch, and A. Seiler.** 2012. Neural differentiation of mouse embryonic stem cells as a tool to assess developmental neurotoxicity *in vitro*. Neurotoxicology **33:** 1135–1146.
- Vlaic, S., W. Schmidt-Heck, M. Matz-Soja, E. Marbach, J. Linde, A. Meyer-Baese, S. Zellmer, R. Guthke, and R. Gebhardt.** 2012. The extended TILAR approach: A novel tool for dynamic modeling of the transcription factor network regulating the adaption to *in-vitro*-cultivation of murine hepatocytes. BMC Systems Biology **6:** 1–147.
- Vollmer, T., J. Diekmann, R. Johne, C. Knabbel, and J. Dreier.** 2012. A novel approach for the detection of Hepatitis E virus infection in German blood donors. J Clin Microbiol **50:** 2708–2713.

W

- Watzek, N., N. Bohm, J. Feld, D. Scherbl, F. Berger, K. H. Merz, A. Lampen, T. Reemtsma, S. R. Tannenbaum, P. L. Skipper, M. Baum, E. Richling, and G. Eisenbrand.** 2012. N7-glycidamide-Guanine DNA adduct formation by orally ingested acrylamide in rats: a dose-response study encompassing human diet-related exposure levels. Chem Res Toxicol **25:** 381–390.
- Weiser, A. A., S. Gross, A. Schielke, J. F. Wigger, A. Ernert, J. Adolphs, A. Fetsch, C. Müller-Graf, A. Käsbohrer, O. Mosbach-Schulz, B. Appel, and M. Greiner.** 2012. Trace-Back and Trace-Forward Tools Developed Ad Hoc and Used During the STEC O104:H4 Outbreak 2011 in Germany and Generic Concepts for Future Outbreak Situations. Foodborne Pathog Dis **10:** 263–269.
- Weiser, A., M. Filter, A. Falenski, J. Brandt, C. Thöns, A. Käsbohrer, and B. Appel.** 2012. An open-source community resource for creating, collecting, sharing and applying predictive microbial models (PMM-Lab). Communications in Computer and Information Science **318:** 462–465.
- Weisshaupt, P., W. Pritzkow, and M. Noll.** 2012. Nitrogen sources of Oligoporus placenta and *Trametes versicolor* evaluated in a 2(3) experimental plan. Fungal Biol **116:** 81–89.

- Werschkun, B., Y. Sommer, and S. Banerji.** 2012. Disinfection by-products in ballast water treatment: An evaluation of regulatory data. Water Research **46:** 4884–4901.

- Wichmann-Schauer, H.** 2012. Hygiene in Krankenhaus- und Heimküchen. Arbeitsmedizin im Gesundheitsdienst **24:** 124–132.

- Wolf, S., J. Reetz, K. Hoffmann, A. Grundel, B. A. Schwarz, I. Hanef, and P. H. Otto.** 2012. Discovery and genetic characterization of novel caliciviruses in German and Dutch poultry. Arch Virol **157:** 1499–1507.

Z

- Zagon, J., S. Kurth, A. Ehlers, B. Linke, A. Lampen, and H. Broll.** 2012. Preservation of primer and probes on „ready-to-use“ 96-well microtiter plates: A step forward towards enhancing throughput and harmonization of real-time PCR applications in food and feed control. Food Control **25:** 709–716.
- Zielonka, A., A. Gedvilaitė, J. Reetz, U. Rosler, H. Müller, and R. Johne.** 2012. Serological cross-reactions between four polyomaviruses of birds using virus-like particles expressed in yeast. J Gen Virol **93:** 2658–2667.