

## Publications in scientific journals in 2016

### A

- Abraham, K., T. Buhrke, A. Lampen.** 2016. Bioavailability of cyanide after consumption of a single meal of foods containing high levels of cyanogenic glycosides: a crossover study in humans. *Arch Toxicol* **90**: 3, 559–574. <https://doi.org/10.1007/s00204-015-1479-8>
- Ackermann, K., C. Hutzler.** 2016. Tabakregulation – Verbot von Mentholzigaretten und Zusatzstoffen, die das Suchtpotential und die Produktattraktivität erhöhen. *Toxikologie Aktuell* **3**, 1.
- Agampodi, S. B., N. J. Dahanayaka, K. Nöckler, M. S. Anne, J. M. Vinetz.** 2016. Redefining Gold Standard Testing for Diagnosing Leptospirosis: Further Evidence from a Well-Characterized, Flood-Related Outbreak in Sri Lanka. *Am J Trop Med Hyg* **95**: 3, 531–536. <https://doi.org/10.4269/ajtmh.16-0033>
- Alajmi, A., G. Klein, M. Greiner, N. Grabowski, S. Fohler, A. Campe, T. Scheu, M. Hoedemaker, A. Abdulmawjood.** 2016. Potential role of real-time PCR for detecting *Mycobacterium avium* subsp. paratuberculosis in chronically diseased milking cows: a case control study. *Berl Munch Tierarztl Wochenschr* **129**: 7/8, 304–309. <https://doi.org/10.2376/0005-9366-15103>
- Aleksandrova, K., R. Di Giuseppe, B. Isermann, R. Biemann, M. Schulze, C. Wittenbecher, A. Fritsche, R. Lehmann, J. Menzel, C. Weikert, T. Pischon, H. Boeing.** 2016. Circulating Omentin as a Novel Biomarker for Colorectal Cancer Risk: Data from the EPIC-Potsdam Cohort Study. *Cancer Res* **76**: 13, 3862–3871. <https://doi.org/10.1158/0008-5472.CAN-15-3464>
- Argudin, M. A., B. Lauzat, B. Kraushaar, P. Alba, Y. Agero, L. Cavaco, P. Butaye, M. C. Porrero, A. Battisti, B. A. Tenhagen, A. Fetsch, B. Guerra.** 2016. Heavy metal and disinfectant resistance genes among livestock-associated methicillin-resistant *Staphylococcus aureus* isolates. *Vet Microbiol* **191**: 88–95. <https://doi.org/10.1016/j.vetmic.2016.06.004>
- Austel, N., E. J. Eilers, T. Meiners, M. Hilker.** 2016. Elm leaves “warned” by insect egg deposition reduce survival of hatching larvae by a shift in their quantitative leaf metabolite pattern. *Plant Cell Environ* **39**: 2, 366–376. <https://doi.org/10.1111/pce.12619>

### B

- Ballhausen, B., A. Kriegeskorte, S. Van Alen, P. Jung, R. Kock, G. Peters, M. Bischoff, K. Becker.** 2017. The pathogenicity and host adaptation of livestock-associated MRSA CC398. *Vet Microbiol* **200**: 39–45. <https://doi.org/10.1016/j.vetmic.2016.05.006>
- Bartsch, C., K. Szabo, M. Dinh-Thanh, C. Schrader, E. Trojnar, R. Johne.** 2016. Comparison and optimization of detection methods for noroviruses in frozen strawberries containing different amounts of RT-PCR inhibitors. *Food Microbiol* **60**: 124–130. <https://doi.org/10.1016/j.fm.2016.07.005>

- Bartsch, N., J. Heidler, B. Vieth, C. Hutzler, A. Luch.** 2016. Skin permeation of polycyclic aromatic hydrocarbons: A solvent-based *in vitro* approach to assess dermal exposures against benzo[a]pyrene and dibenzopyrenes. *J Occup Environ Hyg* **13**: 12, 969–979. <https://doi.org/10.1080/15459624.2016.1200724>
- Becker, K., O. Denis, S. Roisin, A. Mellmann, E. A. Idelevich, D. Knaack, S. Van Alen, A. Kriegeskorte, R. Kock, F. Schaumburg, G. Peters, B. Ballhausen.** 2016. Detection of mecA- and mecC-Positive Methicillin-Resistant *Staphylococcus aureus* (MRSA) Isolates by the New Xpert MRSA Gen 3 PCR Assay. *J Clin Microbiol* **54**: 1, 180–184. <https://doi.org/10.1128/JCM.02081-15>
- Bendadani, C., L. Steinhauser, K. Albert, H. Glatt, B. H. Monien.** 2016. Metabolism and excretion of 1-hydroxymethylpyrene, the proximate metabolite of the carcinogen 1-methylpyrene, in rats. *Toxicology* **366–367**: 43–52. <https://doi.org/10.1016/j.tox.2016.08.006>
- Bert, B., J. Chmielewska, S. Bergmann, M. Busch, W. Driever, K. Finger-Baier, J. Hößler, A. Köhler, N. Leich, T. Misgeld, T. Nöldner, A. Reiher, M. Scharl, A. Seebach-Sproedt, T. Thumberger, G. Schönfelder, B. Grune.** 2016. Considerations for a European animal welfare standard to evaluate adverse phenotypes in teleost fish. *EMBO J* **35**: 11, 1151–1154. <https://doi.org/10.15252/emboj.201694448>
- Bert, B., J. Chmielewska, A. Hensel, B. Grune, G. Schönfelder.** 2016. The animal experimentation quandary: stuck between legislation and scientific freedom: More research and engagement by scientists is needed to help to improve animal welfare without hampering biomedical research. *EMBO Rep* **17**: 6, 790–792. <https://doi.org/10.15252/embr.201642354>
- Beutin, L., S. Delannoy, P. Fach.** 2016. Genetic Analysis and Detection of fliC H1 and fliC H2 Genes Coding for Serologically Closely Related Flagellar Antigens in Human and Animal Pathogenic *Escherichia coli*. *Front Microbiol* **7**: 135. <https://doi.org/10.3389/fmicb.2016.00135>
- Biemann, R., M. Penner, K. Borucki, S. Westphal, C. Luley, R. Ronicke, K. Biemann, C. Weikert, A. Lux, N. Goncharenko, H. U. Marschall, J. G. Schneider, B. Isermann.** 2016. Serum bile acids and GLP-1 decrease following telemetric induced weight loss: results of a randomized controlled trial. *Sci Rep* **6**: 30173. <https://doi.org/10.1038/srep30173>
- Böhl, G. F.** 2016. Risk communication in times of crisis. Pitfalls and challenges in ensuring preparedness instead of hysterics. *EMBO Rep* **17**: 1, 1–9. <https://doi.org/10.15252/embr.201541678>
- Bosman, A., P. Brent, P. S. Cocconcelli, G. Conole, D. Gombert, A. Hensel, D. Kardassi, W. Kneifel, S. Koulouris, A. M. V. M. Soares, J. Zilliacus.** 2016. Expertise for the future: learning and training in the area of food safety risk assessment. *EFSA J* **14**: S1, s0503. <https://doi.org/10.2903/j.efsa.2016.s0503>

- Bosque, A., L. Dietz, A. Gallego-Lleyda, M. Sanclemente, M. Iturralde, J. Naval, M. A. Alava, L. Martinez-Lostao, H. J. Thierse, A. Anel.** 2016. Comparative proteomics of exosomes secreted by tumoral Jurkat T cells and normal human T cell blasts unravels a potential tumorigenic role for valosin-containing protein. *Oncotarget* **7**: 20, 29287–29305. <https://doi.org/10.18632/oncotarget.8678>
- Braeuning, A., H. Broll, A. Lampen.** 2016. Effect-based Analytics: New Concepts for Food Control and Safety. *Food Prot Trends* **36**: 6, 412–419
- Braeuning, A., H. Broll, A. Lampen.** 2016. Wirkungsbezogene Analytik: Neue Konzepte für die Überwachung und Lebensmittelsicherheit. *J Verbr Lebensm* **11**: 1, 91–96. <https://doi.org/10.1007/s00003-015-0979-z>
- Braeuning, A., A. Gavrilov, M. Geissler, C. Wenz, S. Colnot, M. F. Templin, U. Metzger, M. Römer, A. Zell, M. Schwarz.** 2016. Tumor promotion and inhibition by phenobarbital in livers of conditional Apc-deficient mice. *Arch Toxicol* **90**: 6, 1481–1494. <https://doi.org/10.1007/s00204-016-1667-1>
- Braeuning, A., C. Schmidt, A. Oberemm, A. Lampen.** 2016. Comparative proteomic data of M13SV1 human breast epithelial cells and their tumorigenic variants under treatment with estrogenic compounds. *Data in Brief* **8**: 329–333. <https://doi.org/10.1016/j.dib.2016.05.052>
- Braeuning, A., M. Schwarz.** 2016. Is the question of phenobarbital as potential liver cancer risk factor for humans really resolved? *Arch Toxicol* **90**: 6, 1525–1526. <https://doi.org/10.1007/s00204-016-1712-0>
- Brettschneider, A. K., C. Weikert, K. Abraham.** 2016. Stillmonitoring in Deutschland – Welchen Beitrag können die KiGGS-Daten leisten? *J Health Monit* **1**: 2, 16–25. <https://doi.org/10.17886/RKI-GBE-2016-038>
- Breves, G., M. Lahrssen-Wiederholt, H. Schaff, M. Spolders, U. Meyer, S. Dänicke, D. Von Soosten.** 2016. Balance studies on dietary intake and excretion pathway of glyphosate in lactating dairy cows. *Proc Soc Nutr Physiol* **25**: 51–52.
- Brockmann, S. O., L. Ulrich, I. Piechotowski, C. Wagner-Wiening, K. Nöckler, A. Mayer-Scholl, M. Eichner.** 2016. Risk factors for human *Leptospira* seropositivity in South Germany. *Springerplus* **5**: 1, 1796. <https://doi.org/10.1186/s40064-016-3483-8>
- Browne, A., L. Dendler, Z. Di, D. Zhang.** 2016. The rise of Chinese consumer society: Emerging challenges and opportunities for sustainable consumption and production. *Discover Society* 28.
- Budnik, L. T., X. Baur, V. Harth, A. Hahn.** 2016. Alternative drugs go global: possible lead and/or mercury intoxication from imported natural health products and a need for scientifically evaluated poisoning monitoring from environmental exposures. *J Occup Med Toxicol* **11**: 49. <https://doi.org/10.1186/s12995-016-0139-0>
- Bundesinstitut Für Risikobewertung (BfR), S. Merkel.** 2016. Gesundheitliche Beurteilung von Materialien und Gegenständen für den Lebensmittelkontakt im Rahmen des Lebensmittel- und Futtermittelgesetzbuches. 220. Mitteilung. *Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz* **59**: 10, 1365–1368. <https://doi.org/10.1007/s00103-016-2433-5>
- Bürgelt, M., M. Greiner, O. Lindtner, I. Sarvan.** 2016. Was im Essen steckt – die BfR-MEAL-Studie. *DGEinfo*.
- Bürgelt, M., M. Greiner, O. Lindtner, I. Sarvan.** 2016. Was im Essen steckt – die MEAL-Studie des Bundesinstituts für Risikobewertung. *Umwelt und Mensch, Informationsdienst* **2**, 38–43.
- Burow, E., A. Käsbohrer.** 2016. Risk Factors for Antimicrobial Resistance in *Escherichia coli* in Pigs Receiving Oral Antimicrobial Treatment: A Systematic Review. *Microb Drug Resist* **23**: 2, 194–205. <https://doi.org/10.1089/mdr.2015.0318>

### C

- Campe, A., D. Abernethy, F. Menzies, M. Greiner.** 2016. Latent class regression models for simultaneously estimating test accuracy, true prevalence and risk factors for *Brucella abortus*. *Epidemiol Infect* **144**: 9, 1845–1856. <https://doi.org/10.1017/S0950268816000157>
- Chatzisarantis, N. L. D., Q. Bing, C. Xin, M. Kawabata, S. Koch, R. Rooney, M. S. Hagger.** 2016. Comparing effectiveness of additive, interactive and quadratic models in detecting combined effects of achievement goals on academic attainment. *Learn Individ Differ* **50**: 203–209. <https://doi.org/10.1016/j.lindif.2016.08.015>
- Craig, B. M., S. Koch, O. V. Lipp.** 2016. The influence of social category cues on the happy categorisation advantage depends on expression valence. *Cogn Emot* 1–9. <https://doi.org/10.1080/02699931.2016.1215293>

### D

- Delannoy, S., L. Beutin, P. Fach.** 2016. Improved traceability of Shiga-toxin-producing *Escherichia coli* using CRISPRs for detection and typing. *Environ Sci Pollut Res* **23**: 9, 8163–8174. <https://doi.org/10.1007/s11356-015-5446-y>
- Delannoy, S., B. D. Chaves, S. A. Ison, H. E. Webb, L. Beutin, J. Delaval, I. Billet, P. Fach.** 2016. Revisiting the STEC testing approach: Using espK and espV to make enterohemorrhagic *Escherichia coli* (EHEC) detection more reliable in beef. *Front Microbiol* **7**: 1. <https://doi.org/10.3389/fmicb.2016.00001>
- Dendler, L., P. Dewick.** 2016. Institutionalising the organic labelling scheme in China: a legitimacy perspective. *J Cleaner Prod* **134**: Part A, 239–250. <https://doi.org/10.1016/j.jclepro.2016.02.141>
- Dieckmann, R., I. Boone, S. O. Brockmann, J. A. Hammerl, A. Kolb-Maurer, M. Goebeler, A. Luch, S. Al Dahouk.** 2016. The risk of bacterial infection after tattooing. *Dtsch Arztebl Int* **113**: 40, 665–671. <https://doi.org/10.3238/arztebl.2016.0665>
- Dieckmann, R., J. A. Hammerl, H. Hahmann, A. Wicke, S. Kleta, P. W. Dabrowski, A. Nitsche, M. Stammler, S. Al Dahouk, P. Lasch.** 2016. Rapid characterisation of *Klebsiella oxytoca* isolates from contaminated liquid hand soap using mass spectrometry, FTIR and Raman spectroscopy. *Faraday Discuss* **187**: 353–375. <https://doi.org/10.1039/c5fd00165j>
- Dietrich, S., A. Floegel, C. Weikert, T. Pischon, H. Boeing, D. Drogan.** 2016. Identification of Serum Metabolites Associated With Incident Hypertension in the European Prospective Investigation into Cancer and Nutrition-Potsdam Study. *Hypertension* **68**: 2, 471–477. <https://doi.org/10.1161/HYPERTENSIONAHA.116.07292>
- Dinh Thanh, M., H. Frentzel, A. Fetsch, B. Appel, A. Mader.** 2017. Impact of spiking techniques on the survival of *Staphylococcus aureus* in artificially contaminated condiments. *Food Control* **73**: Part A, 117–126. <https://doi.org/10.1016/j.foodcont.2016.10.021>
- Dinh Thanh, M., H. Frentzel, A. Fetsch, G. Krause, B. Appel, A. Mader.** 2016. Tenacity of *Bacillus cereus* and *Staphylococcus aureus* in dried spices and herbs. *Food Control in Press*: <https://doi.org/10.1016/j.foodcont.2016.12.027>

Dittmann, K.H., M.C. Rothmund, A. Paasch, C. Mayer, B. Fehrenbacher, M. Schaller, K. Frauenstein, E. Fritsche, T. Haarmann-Stemann, A. Braeuning, H.P. Rodemann. 2016. The nuclear aryl hydrocarbon receptor is involved in regulation of DNA repair and cell survival following treatment with ionizing radiation. *Toxicol Lett* **240**: 1, 122–129. <https://doi.org/10.1016/j.toxlet.2015.10.017>

Dofkova, M., T. Nurmi, K. Berg, O. Reykdal, H. Gunnlaugsdottir, E. Vasco, M.G. Dias, J. Blahova, I. Rehurkova, T. Putkonen, T. Ritvanen, O. Lindtner, N. Desnica, H.O. Jorundsdottir, L. Oliveira, J. Ruprich. 2016. Development of harmonised food and sample lists for total diet studies in five European countries. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess* **33**: 6, 933–944. <https://doi.org/10.1080/19440049.2016.1189770>

## E

Eddicks, M., R. Hausleitner, L. Eddicks, A. Blutke, R.K. Straubinger, G. Wolf, I. Szabo, C. Heizer, W. Hermanns, M. Ritzmann. 2016. Nachweis von *Salmonella Choleraesuis* var. Kunzendorf bei einem Mastschwein mit septikämischer Salmonellose. Ein Fallbericht. *Tierarztl Prax Ausg G Grosstiere Nutztiere* **44**: 6, 381–387. <https://doi.org/10.15653/TPG-160300>

Ehlers, A., B. Niemann. 2016. Vitamin D im Brennpunkt: Ernährungsphysiologische Aspekte für die Allgemeinbevölkerung. *Pharmazeutische Zeitung Prisma* **23**: 2, 77–85.

## F

Faber, E., E. Gripp, S. Maurischat, B. Kaspers, K. Tedin, S. Menz, A. Zuraw, O. Kershaw, I. Yang, S. Rautenschlein, C. Josenhans. 2016. Novel Immunomodulatory Flagellin-Like Protein FlaC in *Campylobacter jejuni* and Other Campylobacteriales. *mSphere* **1**: 1, e00028-00015. <https://doi.org/10.1128/mSphere.00028-15>

Falgenhauer, L., C. Imirzalioglu, H. Ghosh, K. Gwozdziński, J. Schmiedel, K. Gentil, R. Bauerfeind, P. Kämpfer, H. Seifert, G.B. Michael, S. Schwarz, Y. Pfeifer, G. Werner, M. Pietsch, U. Roesler, B. Guerra, J. Fischer, H. Sharp, A. Käsbohrer, A. Goesmann, K. Hille, L. Kreienbrock, T. Chakraborty. 2016. Circulation of clonal populations of fluoroquinolone-resistant CTX-M-15-producing *Escherichia coli* ST410 in humans and animals in Germany. *Int J Antimicrob Agents* **47**: 6, 457–465. <https://doi.org/10.1016/j.ijantimicag.2016.03.019>

Falgenhauer, L., S.E. Waersada, K. Gwozdziński, H. Ghosh, S. Dojjad, B. Bunk, C. Sproer, C. Imirzalioglu, H. Seifert, A. Irrgang, J. Fischer, B. Guerra, A. Käsbohrer, J. Overmann, A. Goesmann, T. Chakraborty. 2016. Chromosomal Locations of mcr-1 and bla(CTX-M-15) in Fluoroquinolone-Resistant *Escherichia coli* ST410. *Emerg Infect Dis* **22**: 9, 1689–1691. <https://doi.org/10.3201/eid2209.ET2209>

Falgenhauer, L., S.-E. Waezsada, Y. Yao, C. Imirzalioglu, A. Käsbohrer, U. Roesler, G.B. Michael, S. Schwarz, G. Werner, L. Kreienbrock, T. Chakraborty. 2016. Colistin resistance gene mcr-1 in extended-spectrum  $\beta$ -lactamase-producing and carbapenemase-producing Gram-negative bacteria in Germany. *Lancet Infect Dis* **16**: 3, 282–283. [https://doi.org/10.1016/s1473-3099\(16\)00009-8](https://doi.org/10.1016/s1473-3099(16)00009-8)

Fauhl-Hassek, C., S. Esslinger, J. Riedl, A. Buschulte, A. Braeuning, S. Weigel, M. Lahrssen-Wiederholt, R. Wittkowski. 2016. 1<sup>st</sup> Meeting of the scientific network for food feed authenticity testing. *J Verbr Lebensm* **11**: 4, 379–382. <https://doi.org/10.1007/s00003-016-1055-z>

Fetsch, A., B. Kraushaar, A. Käsbohrer, J.A. Hammerl. 2016. Turkey Meat as Source of CC9/CC398 Methicillin-Resistant *Staphylococcus aureus* in Humans? *Clin Infect Dis* **64**: 1, 102–103. <https://doi.org/10.1093/cid/ciw687>

Fetsch, A., U. Roesler, B. Kraushaar, A. Friese. 2016. Co-colonization and clonal diversity of methicillin-sensitive and methicillin-resistant *Staphylococcus aureus* in sows. *Vet Microbiol* **185**: 7–14. <https://doi.org/10.1016/j.vetmic.2016.01.011>

Fetsch, A., K. Steege, D. Leeser, G. Krause. 2016. Interlaboratory Proficiency Testing trial on the Detection of Staphylococcal Enterotoxins types SEA to SEE in food in Germany 2013. *Berl Munch Tierarztl Wochenschr* **129**: 7–8, 290–295. <https://doi.org/10.2376/0005-9366-15047>

Fischer, J., M. San Jose, N. Roschanski, S. Schmogger, B. Baumann, A. Irrgang, A. Friese, U. Roesler, R. Helmuth, B. Guerra. 2017. Spread and persistence of VIM-1 Carbapenemase-producing Enterobacteriaceae in three German swine farms in 2011 and 2012. *Vet Microbiol* **200**: 118–123. <https://doi.org/10.1016/j.vetmic.2016.04.026>

Förster, N., I. Mewis, H. Glatt, M. Haack, R. Brigelius-Flohe, M. Schreiner, C. Ulrichs. 2016. Characteristic single glucosinolates from *Moringa oleifera*: Induction of detoxifying enzymes and lack of genotoxic activity in various model systems. *Food Funct* **7**: 11, 4660–4674. <https://doi.org/10.1039/c6fo01231k>

Frentzel, H., M. Dinh Thanh, G. Krause, B. Appel, A. Mader. 2016. Quantification and differentiation of *Bacillus cereus* group species in spices and herbs by real-time PCR. *Food Control in Press*: <https://doi.org/10.1016/j.foodcont.2016.11.028>

Frentzel, H., B. Kraushaar, G. Krause, D. Bodi, H. Wichmann-Schauer, B. Appel, A. Mader. 2016. Phylogenetic and taxonomic characteristics of *Bacillus cereus* group members isolated from spices and herbs. *Food Control in Press*: <https://doi.org/10.1016/j.foodcont.2016.12.022>

Friedemann, M. 2016. Erster Ciguatera-Ausbruch in Deutschland 2012. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* **59**: 12, 1556–1565. <https://doi.org/10.1007/s00103-016-2456-y>

## G

Garcia, P., B. Malorny, M.R. Rodicio, R. Stephan, H. Hachler, B. Guerra, C. Lucarelli. 2016. Horizontal acquisition of a multidrug-resistance module (R-type ASSuT) is responsible for the monophasic phenotype in a widespread clone of *salmonella* serovar 4,[5],12:i. *Front Microbiol* **7**: 680. <https://doi.org/10.3389/fmicb.2016.00680>

Gayda, J., S. Reckinger, N. Thaben, K. Nöckler, A. Mayer-Scholl. 2016. Validation studies of the latex agglutination test for the detection of *Trichinella* larvae in meat products. *Vet Parasitol* **231**: 150–153. <https://doi.org/10.1016/j.vetpar.2016.07.012>

Gerofke, A., H. Schafft. 2016. Risiko-Nutzen-Abwägung von Lebensmitteln: Wo liegt das Risiko? Beispiel: Fischverzehr. *Lebensmittelchemie* **70**: 2, 24–25. <https://doi.org/10.1002/lemi.201690010>

Ghallab, A.C., G., S.G. Henkel, D. Driesch, S. Hoehme, U. Hofmann, S. Zellmer, P. Godoy, A. Sachinidis, M. Blaszkewicz, R. Reif, R. Marchan, L. Kuepfer, D. Häussinger, D. Drasdo, R. Gebhardt, J.G. Hengstler. 2016. Model guided identification and therapeutic implications of an ammonia sink mechanism. *J Hepatol* **64**: 4, 860–871. <https://doi.org/10.1016/j.jhep.2015.11.018>

Glaser, N., E. Feistkorn, K. Begemann, D. Aquarone, M. Ebbecke, F. Eyer, G. Liebetrau, A. Schaper, C. Seidel, U. Stedtler, A. Stürer, E. Tutdibi, H. Desel. 2016. Death cap mass poisoning of refugees and reporting channels for acute poisoning cases. *Clinical Toxicology* **54**: 4, 422. <https://doi.org/10.3109/15563650.2016.1165952>

Glatt, H., G. Sabbioni, B.H. Monien, W. Meinel. 2016. Use of genetically manipulated *Salmonella typhimurium* strains to evaluate the role of human sulfotransferases in the bioactivation of nitro- and aminotoluenes. *Environ Mol Mutagen* **57**: 4, 299–311. <https://doi.org/10.1002/em.22005>

Grafe, D., B. Ehlers, D. Made, L. Ellerbroek, T. Seidler, R. Johnne. 2017. Detection and genome characterization of bovine polyomaviruses in beef muscle and ground beef samples from Germany. *Int J Food Microbiol* **241**: 168–172. <https://doi.org/10.1016/j.ijfoodmicro.2016.10.024>

Groll, N., F. Kollotzek, J. Goepfert, T.O. Joos, M. Schwarz, A. Braeuning. 2016. Phenobarbital inhibits calpain activity and expression in mouse hepatoma cells. *Biol Chem* **397**: 1, 91–96. <https://doi.org/10.1515/hsz-2015-0223>

Groll, N., T. Petrikat, S. Vetter, S. Colnot, F. Weiss, O. Poetz, T.O. Joos, U. Rothbauer, M. Schwarz, A. Braeuning. 2016. Coordinate regulation of Cyp2e1 by beta-catenin- and hepatocyte nuclear factor 1alpha-dependent signaling. *Toxicology* **350–352**: 40–48. <https://doi.org/10.1016/j.tox.2016.05.004>

Groll, N., T. Petrikat, S. Vetter, C. Wenz, J. Dengjel, C. Gretzmeier, F. Weiss, O. Poetz, T.O. Joos, M. Schwarz, A. Braeuning. 2016. Inhibition of beta-catenin signaling by phenobarbital in hepatoma cells *in vitro*. *Toxicology* **370**: 94–105. <https://doi.org/10.1016/j.tox.2016.09.018>

Grote, M., N. Mazurek, C. Grabsch, J. Zeilinger, S. Le Floch, D.S. Wahrendorf, T. Hofer. 2016. Dry bulk cargo shipping – An overlooked threat to the marine environment? *Mar Pollut Bull* **110**: 1, 511–519. <https://doi.org/10.1016/j.marpolbul.2016.05.066>

## H

Haase, A., A. Luch. 2016. Genotoxicity of nanomaterials *in vitro*: Treasure or trash? *Arch Toxicol* **90**: 11, 2827–2830. <https://doi.org/10.1007/s00204-016-1825-5>

Hahn, A., K. Begemann, E. Feistkorn, N. Glaser, M. Greiner. 2016. Public awareness about the market launch of mercury energysaving lamps in Germany: assessment of an overhyped case of alleged poisoning. *Clinical Toxicology* **54**: 4, 471. <https://doi.org/10.3109/15563650.2016.1165952>

Hahn, A., K. Begemann, E. Feistkorn, M. Greiner, M. Deters, H. Hentsche. 2016. Lessons to learn from fatal ingestion of *Prunus laurocerasus* leaves in a goat. *Clinical Toxicology* **54**: 4, 506. <https://doi.org/10.3109/15563650.2016.1165952>

Halwachs, S., C. Kneuer, K. Gohlsch, M. Müller, V. Ritz, W. Honscha. 2016. The ABCG2 efflux transporter from rabbit placenta: cloning and functional characterization. *Placenta* **38**: 8–15. <https://doi.org/10.1016/j.placenta.2015.12.005>

Halwachs, S., I. Schaefer, C. Kneuer, P. Seibel, W. Honscha. 2016. Assessment of ABCG2-mediated transport of pesticides across the rabbit placenta barrier using a novel MDCKII *in vitro* model. *Toxicol Appl Pharmacol* **305**: 66–74. <https://doi.org/10.1016/j.taap.2016.06.007>

Hamidi, A., A. Mayer-Scholl, S. Dreshaj, A. Robaj, D. Sylejmani, N. Ramadani, S. Al Dahouk, K. Nöckler. 2016. Isolation and Identification of *Brucella melitensis* Biovar 3 from Vaccinated Small Ruminants: A Public Health Threat in Kosovo. *Transbound Emerg Dis* **63**: 6, e296–e299. <https://doi.org/10.1111/tbed.12336>

Hammerl, J.A., C. Göllner, S. Al Dahouk, K. Nöckler, J. Reetz, S. Hertwig. 2016. Analysis of the First Temperate Broad Host Range Brucellaphage (BiPBO1) Isolated from *B. inopinata*. *Front Microbiol* **7**: 24. <https://doi.org/10.3389/fmicb.2016.00024>

Hammerl, J.A., C. Jackel, E. Funk, S. Pinnau, C. Mache, S. Hertwig. 2016. The diverse genetic switch of enterobacterial and marine telomere phages. *Bacteriophage* **6**: 2, e1148805. <https://doi.org/10.1080/21597081.2016.1148805>

Hammerl, J.A., C. Jackel, E. Lanka, N. Roschanski, S. Hertwig. 2016. Binding Specificities of the Telomere Phage varphiKQ2 Prophage Repressor CB and Lytic Repressor Cro. *Viruses* **8**: 8. <https://doi.org/10.3390/v8080213>

Hauser, E., M. Bruederle, C. Reich, A. Bruckbauer, J. Funk, H. Schmidt. 2016. Subtilase contributes to the cytotoxicity of a Shiga toxin-producing *Escherichia coli* strain encoding three different toxins. *Int J Food Microbiol* **217**: 156–161. <https://doi.org/10.1016/j.ijfoodmicro.2015.10.023>

He, X., Y. Qiao, Y. Liu, L. Dendler, C. Yin, F. Martin. 2016. Environmental impact assessment of organic and conventional tomato production in urban greenhouses of Beijing city, China. *J Cleaner Prod* **134**: Part A, Special Volume, 251–258. <https://doi.org/10.1016/j.jclepro.2015.12.004>

Helmer, C., R. Eibach, E. Humann-Ziehank, P.C. Tegtmeyer, D. Bürstel, K. Mayer, U. Moog, S. Stauch, H. Strobel, K. Voigt, P. Sieber, M. Greiner, M. Ganter. 2016. Seroprevalence of Schmallenberg virus infection in sheep and goats flocks in Germany, 2012–2013. *Vet Med Sci* **2**: 1, 10–22. <https://doi.org/10.1002/vms3.14>

Hensel, A. 2016. Zwischen Wissen und Metaphysik – wo steht das Vorsorgeprinzip im Streit um die Risikobewertung des Pflanzenschutzmittelwirkstoffs Glyphosat? *Z Gesamte Lebensm* **43**: 4, 447–450

Herrmann, K., W. Engst, S. Florian, A. Lampen, W. Meinel, H. Glatt. 2016. The Influence of the SULT1A status – wild-type, knockout or humanized – on the DNA adduct formation by methyleugenol in extrahepatic tissues of the mouse. *Toxicol Res* **5**, 808–815. <https://doi.org/10.1039/C5TX00358J>

Hess, A., L. Wang-Lauenstein, A. Braun, S.N. Kolle, R. Landsiedel, M. Liebsch, L. Ma-Hock, R. Pirow, X. Schneider, M. Steinfath, S. Vogel, C. Martin, K. Sewald. 2016. Prevalidation of the *ex-vivo* model PCLS for prediction of respiratory toxicity. *Toxicol In Vitro* **32**: 347–361. <https://doi.org/10.1016/j.tiv.2016.01.006>

Heuser, E., S. Fischer, R. Ryll, A. Mayer-Scholl, D. Hoffmann, C. Spahr, C. Imholt, D.M. Alfa, A. Fröhlich, D. Luschow, R. Johnne, B. Ehlers, S. Essbauer, K. Nöckler, R.G. Ulrich. 2017. Survey for zoonotic pathogens in Norway rat populations from Europe. *Pest Manag Sci* **73**: 2, 341–348. <https://doi.org/10.1002/ps.4339>

Hillebrand, M., S. Pflugmacher, A. Hahn. 2016. Toxicological risk assessment in CO<sub>2</sub> capture and storage technology. *Int J Greenh Gas Con* **55**: 118–143. <https://doi.org/10.1016/j.ijggc.2016.10.014>

Hiller, P., H. Wichmann-Schauer. 2016. Im Jahr 2014 an Krankheitsausbrüchen beteiligte Lebensmittel. *Rundschau für Fleischhygiene und Lebensmittelüberwachung* **68**: 2, 58–61.



Mewes, K. R., A. Fischer, N. N. Zoller, V. Laubach, A. Bernd, A. Jacobs, A. Van Rompay, M. Liebsch, R. Pirow, D. Petersohn. 2016. Catch-up validation study of an *in vitro* skin irritation test method based on an open source reconstructed epidermis (Phase I). *Toxicol In Vitro* **36**: 238–253. <https://doi.org/10.1016/j.tiv.2016.07.007>

Mussotter, F., J. M. Tomm, Z. El Ali, M. Pallardy, S. Kerdine-Römer, M. Götz, M. Von Bergen, A. Haase, A. Luch. 2016. Proteomics analysis of dendritic cell activation by contact allergens reveals possible biomarkers regulated by Nrf2. *Toxicol Appl Pharmacol* **313**: 170–179. <https://doi.org/10.1016/j.taap.2016.11.001>

## N

Nees, R., A. Pelster, M. Körsgen, H. Jungnickel, A. Luch, H.-J. Galla, H.F. Arlinghaus. 2016. ToF-SIMS and laser-SNMS analysis of Madin-Darby canine kidney II cells with silver nanoparticles using an argon cluster ion beam. *Biointerphases* **11**: 2, 02A305. <https://doi.org/10.1116/1.4937466>

Neuhauser, H., C. Diederichs, H. Boeing, S. B. Felix, C. Jünger, R. Lorbeer, C. Meisinger, A. Peters, H. Vötze, C. Weikert, P. Wild, M. Dörr. 2016. Bluthochdruck in Deutschland. *Dtsch Arztebl Int* **113**: 48, 809–815. <https://doi.org/10.3238/arztebl.2016.0809>

Niemann, B., A. Pötting, A. Braeuning, A. Lampen. 2016. Gentechnisch veränderte Lebensmittel und Allergien – ein Update. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* **59**: 7, 865–871. <https://doi.org/10.1007/s00103-016-2362-3>

Nöckler, K., E. Pozio, R. Gamble. 2016. The 14<sup>th</sup> International Conference on Trichinellosis. *Vet Parasitol* **231**: 1. <https://doi.org/10.1016/j.vetpar.2016.08.022>

Nymo, I. H., M. Seppola, S. Al Dahouk, K. R. Bakkemo, M. P. Jimenez De Bagues, J. Godfroid, A. K. Larsen. 2016. Experimental Challenge of Atlantic Cod (*Gadus morhua*) with a *Brucella pinnipedialis* Strain from Hooded Seal (*Cystophora cristata*). *PLoS One* **11**: 7, e0159272. <https://doi.org/10.1371/journal.pone.0159272>

## O

Oberemm, A., U. Hansen, L. Böhmert, C. Meckert, A. Braeuning, A. F. Thünemann, A. Lampen. 2016. Proteomic responses of human intestinal Caco-2 cells exposed to silver nanoparticles and ionic silver. *J Appl Toxicol* **36**: 3, 404–413. <https://doi.org/10.1002/jat.3231>

Ortmayer, M., P. Lafite, B. R. K. Menon, T. Tralau, K. Fisher, L. Denkhaus, N. S. Scrutton, S. E. J. Rigby, A. W. Munro, S. Hay, D. Leys. 2016. An oxidative N-demethylase reveals PAS transition from ubiquitous sensor to enzyme. *Nature* **539**: 7630, 593–597. <https://doi.org/10.1038/nature20159>

## P

Palazzi, X., J. E. Burkhardt, H. Caplain, V. Dellarco, P. Fant, J.R. Foster, S. Francke, P. Germann, S. Groters, T. Harada, J. Harleman, K. Inui, W. Kaufmann, B. Lenz, H. Nagai, G. Pohlmeier-Esch, A. Schulte, M. Skydsgaard, L. Tomlinson, C. E. Wood, M. Yoshida. 2016. Characterizing “Adversity” of pathology findings in nonclinical toxicity studies: Results from the 4<sup>th</sup> ESTP International Expert Workshop. *Toxicol Pathol* **44**: 6, 810–824. <https://doi.org/10.1177/0192623316642527>

Partosch, F., H. Mielke, E. Di Consiglio, E. Testai, U. Gundert-Remy. 2016. *In vitro* – *in vivo* extrapolation – ibuprofen as an example. *Naunyn-Schmiedeberg's Arch Pharmacol* **389**: Suppl 1, 89–90. <https://doi.org/10.1007/s00210-016-1213-y>

Paschke, M., C. Hutzler, F. Henkler, A. Luch. 2016. Oxidative and inert pyrolysis on-line coupled to gas chromatography with mass spectrometric detection: On the pyrolysis products of tobacco additives. *Int J Hyg Environ Health* **219**: 8, 780–791. <https://doi.org/10.1016/j.ijheh.2016.09.002>

Piniør, B., C.L. Firth, V. Richter, K. Lebl, M. Trauffer, M. Dzieciol, S. E. Hutter, J. Burgstaller, W. Obritzhauser, P. Winter, A. Käsbohrer. 2016. A systematic review of financial and economic assessments of bovine viral diarrhoea virus (BVDV) prevention and mitigation activities worldwide. *Prev Vet Med* **137**: Part A, 77–92. <https://doi.org/10.1016/j.prevetmed.2016.12.014>

Plaza-Rodriguez, C., B. Appel, A. Käsbohrer, M. Filter. 2016. Discussing State-of-the-Art Spatial Visualization Techniques Applicable for the Epidemiological Surveillance Data on the Example of *Campylobacter* spp. in Raw Chicken Meat. *Zoonoses Public Health* **63**: 5, 358–369. <https://doi.org/10.1111/zph.12231>

Polyomaviridae Study Group of the International Committee on Taxonomy Of, V., S. Calvignac-Spencer, M.C. Feltkamp, M. D. Daugherty, U. Moens, T. Ramqvist, R. Johne, B. Ehlers. 2016. A taxonomy update for the family Polyomaviridae. *Arch Virol* **161**: 6, 1739–1750. <https://doi.org/10.1007/s00705-016-2794-y>

Potratz, S., H. Jungnickel, S. Grabiger, P. Tarnow, W. Otto, E. Fritsche, M. Von Bergen, A. Luch. 2016. Differential cellular metabolite alterations in HaCaT cells caused by exposure to the aryl hydrocarbon receptor-binding polycyclic aromatic hydrocarbons chrysene, benzo[a]pyrene and dibenzo[a,l]pyrene. *Toxicol Rep* **3**: 763–773. <https://doi.org/10.1016/j.toxrep.2016.09.003>

## R

Raasch, M., K. Rennert, T. Jahn, C. Gärtner, G. Schönfelder, O. Huber, A. E. M. Seiler, A. S. Mosig. 2016. An integrative microfluidically supported *in vitro* model of an endothelial barrier combined with cortical spheroids simulates effects of neuroinflammation in neocortex development. *Biomicrofluidics* **10**: 4, 044102. <https://doi.org/10.1063/1.4955184>

Riebeling, C., A. Luch, M.E. Götz. 2016. Comparative modeling of exposure to airborne nanoparticles released by consumer spray products. *Nanotoxicology* **10**: 3, 343–351. <https://doi.org/10.3109/17435390.2015.1071446>

Riebeling, C., M. Wiemann, J. Schnekenburger, T.A. Kuhlbusch, W. Wohlleben, A. Luch, A. Haase. 2016. A redox proteomics approach to investigate the mode of action of nanomaterials. *Toxicol Appl Pharmacol* **299**: 24–29. <https://doi.org/10.1016/j.taap.2016.01.019>

Riede, S., A. Toboldt, G. Breves, M. Metzner, B. Köhler, J. Bräunig, H. Schafft, M. Lahrssen-Wiederholt, L. Niemann. 2016. Investigations on the possible impact of a glyphosate-containing herbicide on ruminal metabolism and bacteria *in vitro* by means of the “Rumen Simulation Technique”. *J Appl Microbiol* **121**: 3, 644–656. <https://doi.org/10.1111/jam.13190>

Roesel, K., K. Nöckler, M. P. Baumann, R. Fries, M. M. Dione, P.H. Clausen, D. Grace. 2016. First Report of the Occurrence of *Trichinella*-Specific Antibodies in Domestic Pigs in Central and Eastern Uganda. *PLoS One* **11**: 11, e0166258. <https://doi.org/10.1371/journal.pone.0166258>

Rohde, A., J.A. Hammerl, S. Al Dahouk. 2016. Detection of foodborne bacterial zoonoses by fluorescence in situ hybridization. *Food Control* **69**: 297–305. <https://doi.org/10.1016/j.foodcont.2016.05.008>

Rohde, A., J.A. Hammerl, S. Al Dahouk. 2016. Rapid screening for antibiotic resistance elements on the RNA transcript, protein and enzymatic activity level. *Ann Clin Microbiol Antimicrob* **15**: 1, 55. <https://doi.org/10.1186/s12941-016-0167-8>

Rohde, A., J.A. Hammerl, B. Appel, S. Al Dahouk. 2016. Differential detection of pathogenic *Yersinia* spp. by fluorescence in situ hybridization. *Food Microbiol* **62**: 39–45. <https://doi.org/10.1016/j.fm.2016.09.013>

Rumer, L., C. Domingo, O. Donoso Mantke, Y. Dobrydneva, M. Greiner, M. Niedrig. 2016. Statistical approach for optimization of external quality assurance (EQA) studies of molecular and serological viral diagnostics. *Clin Chem Lab Med* **54**: 10, 1589–1598. <https://doi.org/10.1515/cclm-2016-0081>

## S

Sachse, B., W. Meini, H. Glatt, B. H. Monien. 2016. Conversion of Suspected Food Carcinogen 5-Hydroxymethylfurfural by Sulfotransferases and Aldehyde Dehydrogenases in Postmitochondrial Tissue Preparations of Humans, Mice, and Rats. *Toxicol Sci* **149**: 1, 192–201. <https://doi.org/10.1093/toxsci/kfv228>

Sachse, B., W. Meini, H. Glatt, B. H. Monien. 2016. Ethanol and 4-methylpyrazole increase DNA adduct formation of furfuryl alcohol in FVB/N wild-type mice and in mice expressing human sulfotransferases 1A1/1A2. *Carcinogenesis* **37**: 3, 314–319. <https://doi.org/10.1093/carcin/bgw006>

Sawada, S., A. Oberemm, T. Buhrke, J. Merschenz, A. Braeuning, A. Lampen. 2016. Proteomic analysis of 3-MCPD and 3-MCPD dipalmitate-induced toxicity in rat kidney. *Arch Toxicol* **90**: 6, 1437–1448. <https://doi.org/10.1007/s00204-015-1576-8>

Schaarschmidt, S. 2016. Public and private standards for dried culinary herbs and spices – Part I: Standards defining the physical and chemical product quality and safety. *Food Control* **70**: 339–349. <https://doi.org/10.1016/j.foodcont.2016.06.004>

Schaarschmidt, S. 2016. Verfügbare mikrobiologische Standards für getrocknete Küchenkräuter und Gewürze. *Rundschau für Fleischhygiene und Lebensmittelüberwachung* **68**: 2, 54–56.

Schaarschmidt, S., F. Spradau, H. Mank, J. L. Banach, H.J. Van Der Fels-Klerx, P. Hiller, B. Appel, J. Bräunig, H. Wichmann-Schauer, A. Mader. 2016. Public and private standards for dried culinary herbs and spices – Part II: Production and product standards for ensuring microbiological safety. *Food Control* **70**: 10. <https://doi.org/10.1016/j.foodcont.2016.06.003>

Schaarschmidt, S., F. Spradau, H. Mank, P. Hiller, B. Appel, J. Bräunig, H. Wichmann-Schauer, A. Mader. 2016. Reporting of traceability and food safety data in the culinary herb and spice chains. *Food Control in Press*: <https://doi.org/10.1016/j.foodcont.2016.11.029>

Schäfer, B., N. Bandick, A. Epp, K. I. Hirsch-Ernst, J. Puchner, R. Schumann, M. Spolders, B. Wagner, A. Lampen. 2016. BfR Symposium “Insects as Food or Feed: Food of the Future” Report on the Symposium on 24<sup>th</sup> May 2016. *J Verbr Lebensm* **11**: 3, 281–289. <https://doi.org/10.1007/s00003-016-1038-0>

Schemmerer, M., S. Apelt, E. Trojnar, R.G. Ulrich, J.J. Wenzel, R. Johne. 2016. Enhanced Replication of Hepatitis E Virus Strain 47832c in an A549-Derived Subclonal Cell Line. *Viruses* **8**: 10. <https://doi.org/10.3390/v8100267>

Schlechtriem, C., J. Pucher, B. Michalski. 2016. Dietary burden calculations relating to fish metabolism studies. *J Sci Food Agric* **96**: 5, 1415–1419. <https://doi.org/10.1002/jsfa.7607>

Schluter, O., B. Rumpold, T. Holzhauser, A. Roth, R.F. Vogel, W. Quasigroch, S. Vogel, V. Heinz, H. Jager, N. Bandick, S. Kulling, D. Knorr, P. Steinberg, K. H. Engel. 2016. Safety aspects of the production of foods and food ingredients from insects. *Mol Nutr Food Res in Press*: 1–14. <https://doi.org/10.1002/mnfr.201600520>

Schmidt, F., P. Marx-Stoelting, W. Haider, T. Heise, C. Kneuer, M. Ladwig, S. Banneke, S. Rieke, L. Niemann. 2016. Combination effects of azole fungicides in male rats in a broad dose range. *Toxicology* **355–356**: 54–63. <https://doi.org/10.1016/j.tox.2016.05.018>

Schmidt, K., J. Döhring, C. Kohl, M. Pla, E.J. Kok, D.C. Glandorf, R. Custers, H. Van Der Voet, J. Sharbati, R. Einspanier, D. Zeljenkova, J. Tulinska, A. Spök, C. Alison, D. Schrenk, A. Pötting, R. Wilhelm, J. Schiemann, P. Steinberg. 2016. Proposed criteria for the evaluation of the scientific quality of mandatory rat and mouse feeding trials with whole food/feed derived from genetically modified plants. *Arch Toxicol* **90**: 9, 2287–2291. <https://doi.org/10.1007/s00204-016-1762-3>

Scholz, H.C., S. Revilla-Fernandez, S. Al Dahouk, J.A. Hammerl, M. S. Zygmunt, A. Cloeckert, M. Koylass, A. M. Whatmore, J. Blom, G. Vergnaud, A. Witte, K. Aistleitner, E. Hofer. 2016. *Brucella vulpis* sp. nov., isolated from mandibular lymph nodes of red foxes (*Vulpes vulpes*). *Int J Syst Evol Microbiol* **66**: 5, 2090–2098. <https://doi.org/10.1099/ijsem.0.000998>

Scholz, R., M. Herrmann, B. Michalski. 2017. Compilation of processing factors and evaluation of quality controlled data of food processing studies. *J Verbr Lebensm* **12**: 1, 3–14. <https://doi.org/10.1007/s00003-016-1043-3>

Schreiber, I., C. Hutzler, S. Andree, P. Laux, A. Luch. 2016. Identification and hazard prediction of tattoo pigments by means of pyrolysis-gas chromatography/mass spectrometry. *Arch Toxicol* **90**: 7, 1639–1650. <https://doi.org/10.1007/s00204-016-1739-2>

Schreiber, I., P. Laux, A. Luch. 2016. Von der Tätowierung bis zur Laserentfernung – Risiken des permanenten Hautschmuckes. *Umwelt und Mensch, Informationsdienst* **1**, 5–10.

Schreiber, I., A. Luch. 2016. At the dark end of the rainbow: Data gaps in tattoo toxicology. *Arch Toxicol* **90**: 7, 1763–1765. <https://doi.org/10.1007/s00204-016-1740-9>

Schulze, M., M. Grobbel, A. Riesenbeck, S. Brüning, J. Schaefer, M. Jung, R. Grossfeld. 2017. Dose rates of antimicrobial substances in boar semen preservation – time to establish new protocols. *Reprod Dom Anim* **52**: 3, 397–402. <https://doi.org/10.1111/rda.12921>

Scientific Committee on Consumer Safety (SCCS), Bernauer, U. 2016. Opinion of the Scientific Committee on Consumer Safety (SCCS) – Revision of the opinion on o-Phenylphenol, Sodium o-phenylphenate and Potassium o-phenylphenate (OPP), in cosmetic products. *Regul Toxicol Pharmacol* **79**: 105. <https://doi.org/10.1016/j.yrtph.2016.02.020>

Settimi, L., R. Orford, F. Davanzo, C. Hague, H. Desel, D. Pelclova, G. Dragelyte, M. Mathieu-Nolf, R. Adams, R. Duarte-Davidson. 2016. Development of a new categorization system for pesticides exposure to support harmonized reporting between EU Member States. *Environ Int* **91**: 332–340. <https://doi.org/10.1016/j.envint.2016.02.034>

**Sittner, D., B. Huhse, M. Steinfath, A. Luch, A. E. M. Seiler.** 2016. Osteogenic differentiation of human embryonic stem cell-derived mesenchymal progenitor cells as a model for assessing developmental bone toxicity *in vitro*. *Appl In Vitro Toxicol* **2**: 3, 127–142. <https://doi.org/10.1089/aivt.2016.0013>

**Smith, D.B., P. Simmonds, J. Izopet, E. F. Oliveira-Filho, R.G. Ulrich, R. Johnne, M. Koenig, S. Jameel, T.J. Harrison, X.J. Meng, H. Okamoto, W.H. Van Der Poel, M.A. Purdy.** 2016. Proposed reference sequences for hepatitis E virus subtypes. *J Gen Virol* **97**: 3, 537–542. <https://doi.org/10.1099/jgv.0.000393>

**Solecki, R., A. Kortenkamp, A. Bergman, I. Chahoud, G.H. Degen, D. Dietrich, H. Greim, H. Hakansson, U. Hass, T. Husoy, M. Jacobs, S. Jobling, A. Mantovani, P. Marx-Stoelting, A. Piersma, V. Ritz, R. Slama, R. Stahlmann, M. Van Den Berg, R. T. Zoeller, A. R. Boobis.** 2017. Scientific principles for the identification of endocrine-disrupting chemicals: a consensus statement. *Arch Toxicol* **91**: 2, 1001–1006. <https://doi.org/10.1007/s00204-016-1866-9>

**Stark, M.L., B. Wagner, J. Kowalczyk, M. Spolders, H. Schafft, M. Lahrssen-Wiederholt.** 2016. Die Eignung des Wildschweins als Bioindikator für die Kontamination der Umwelt mit perfluorierten Alkylsubstanzen. *J Verbr Lebensm* **11**: 1, 10. <https://doi.org/10.1007/s00003-015-1010-4>

**Steinborn, A., B. Alder, B. Michalski, P. Zomer, P. Bendig, S.A. Martinez, H.G.J. Mol, T.J. Class, N. C. Pinheiro.** 2016. Determination of Glyphosate Levels in Breast Milk Samples from Germany by LC-MS/MS and GC-MS/MS. *J Agric Food Chem* **64**: 6, 1414–1421. <https://doi.org/10.1021/acs.jafc.5b05852>

**Stommel, C., H. Hofer, M. Grobbel, M. L. East.** 2016. Large mammals in Ruaha National Park, Tanzania, dig for water when water stops flowing and water bacterial load increases. *Mamm Biol* **81**: 1, 21–30. <https://doi.org/10.1016/j.mambio.2015.08.005>

## T

**Tarnow, P., C. Hutzler, S. Grabiger, K. Schön, T. Tralau, A. Luch.** 2016. Estrogenic activity of mineral oil aromatic hydrocarbons used in printing inks. *PLoS One* **11**: 1, e0147239. <https://doi.org/10.1371/journal.pone.0147239>

**Tarnow, P., T. Tralau, A. Luch.** 2016. G protein-coupled receptor 30 ligand G-1 increases aryl hydrocarbon receptor signalling by inhibition of tubulin assembly and cell cycle arrest in human MCF-7 cells. *Arch Toxicol* **90**: 8, 1939–1948. <https://doi.org/10.1007/s00204-015-1615-5>

**Testai, E., Ms Scientific Committee Scenih, P. Hartemann, S.C. Rastogi, U. Bernauer, A. Piersma, W. De Jong, H. Gulliksson, R. Sharpe, D. Schubert, E. Rodriguez-Farre.** 2016. The safety of medical devices containing DEHP plasticized PVC or other plasticizers on neonates and other groups possibly at risk (2015 update). *Regul Toxicol Pharmacol* **76**: 209–210. <https://doi.org/10.1016/j.yrtph.2016.01.013>

**Tkachenko, A., F. Henkler, J. Brinkmann, J. Sowada, D. Genkinger, C. Kern, T. Tralau, A. Luch.** 2016. The Q-rich/PST domain of the AHR regulates both ligand-induced nuclear transport and nucleocytoplasmic shuttling. *Sci Rep* **6**: 32009. <https://doi.org/10.1038/srep32009>

## U

**Ulrich-Lyng, S. L., H.R. Juul-Madsen, R. B. Kjaerup, R. Okimoto, M. S. Abrahamsen, S. Maurischat, P. Sorensen, T.S. Dalgaard.** 2016. Broilers with low serum Mannose-binding Lectin show increased fecal shedding of *Salmonella enterica* serovar Montevideo. *Poult Sci* **95**: 8, 1779–1786. <https://doi.org/10.3382/ps/pew101>

## V

**Van Alen, S., B. Ballhausen, G. Peters, A.W. Friedrich, A. Mellmann, R. Kock, K. Becker.** 2017. In the centre of an epidemic: Fifteen years of LA-MRSA CC398 at the University Hospital Munster. *Vet Microbiol* **200**: 19–24. <https://doi.org/10.1016/j.vetmic.2016.01.021>

**Vergragt, P. J., L. Dendler, M. De Jong, K. Matus.** 2016. Transitions to sustainable consumption and production in cities. *J Cleaner Prod* **134**: Part A, Special Volume, 1–12. <https://doi.org/10.1016/j.jclepro.2016.05.050>

**Vogl, S., M. Steinfath, W. K. Lutz, G. Schönfelder.** 2016. Effect of Omeprazole and Dextromethorphan on the Urinary Metabolic Ratio of Flurbiprofen. *Basic Clin Pharmacol Toxicol* **118**: 6, 496–498. <https://doi.org/10.1111/bcpt.12536>

**Von Hemme, M., L. Van Rennings, M. Hartmann, C. Von Münchhausen, A. Käsbohrer, L. Kreienbrock.** 2016. Antibiotikaeinsatz in der Nutztierhaltung in Deutschland – Erste Ergebnisse zu zeitlichen Trends im wissenschaftlichen Projekt “VetCab-Sentinel”. *Deutsches Tierärzteblatt* **4**: 516.

**Von Soosten, D., M. Ulrich, L. Hüther, S. Dänicke, M. Lahrssen-Wiederholt, H. Schafft, M. Spolders, G. Breves.** 2016. Excretion pathways and ruminal disappearance of glyphosate and its degradation product aminomethylphosphonic acid in dairy cows. *J Dairy Sci* **9**: 7, 5318–5324. <https://doi.org/10.3168/jds.2015-10585>

## W

**Wagener, S., N. Dommershausen, H. Jungnickel, P. Laux, D. Mitrano, B. Nowack, G. Schneider, A. Luch.** 2016. Textile functionalization and its effects on the release of silver nanoparticles into artificial sweat. *Environ Sci Technol* **50**: 11, 5927–5934. <https://doi.org/10.1021/acs.est.5b06137>

**Weidner, C., M. Steinfath, E. Opitz, M. Oelgeschläger, G. Schönfelder.** 2016. Defining the optimal animal model for translational research using gene set enrichment analysis. *EMBO Mol Med* **8**: 831–838. <https://doi.org/10.15252/emmm.201506025>

**Weikert, C., M. B. Schulze.** 2016. Evaluating dietary patterns: the role of reduced rank regression. *Curr Opin Clin Nutr Metab Care* **19**: 5, 341–346. <https://doi.org/10.1097/Mco.0000000000000308>

**Weindl, L., E. Frank, U. Ullrich, M. Heurich, S. Kleta, L. Ellerbroek, M. Gareis.** 2016. *Listeria monocytogenes* in Different Specimens from Healthy Red Deer and Wild Boars. *Foodborne Pathog Dis* **13**: 7, 391–397. <https://doi.org/10.1089/fpd.2015.2061>

**Weiser, A. A., C. Thoens, A. Falenski, B. Appel, M. Filter, A. Käsbohrer.** 2016. FoodChain-lab: Tracing Software Supporting Foodborne Disease Outbreak Investigations. *Procedia Food Sci* **7**: 101–104. <https://doi.org/10.1016/j.profoo.2016.02.097>

**Weiser, A. A., C. Thöns, M. Filter, A. Falenski, B. Appel, A. Käsbohrer.** 2016. FoodChain-Lab: A Trace-Back and Trace-Forward Tool Developed and Applied during Food-Borne Disease Outbreak Investigations in Germany and Europe. *PLoS One* **11**: 3, e0151977. <https://doi.org/10.1371/journal.pone.0151977>

**Weissenborn, A., M. Abou-Dakn, R. Bergmann, D. Both, R. Gresens, B. Hahn, A. Hecker, B. Koletzko, M. Krawinkel, D. Kroll, E. Rouw, M. Scheele, U. Schwegler, E. Sievers, E. Sporleder, S. Springer, K. Vetter, A. Wockel, M. Kersting.** 2016. Stillhäufigkeit und Stilldauer in Deutschland – eine systematische Übersicht. *Gesundheitswesen* **78**: 11, 695–707. <https://doi.org/10.1055/s-0035-1555946>

**Weldon, B. a. M., E. Faustman, G. Oberdorster, T. Workman, W. C. Griffith, C. Kneuer, I. J. Yu.** 2016. Occupational exposure limit for silver nanoparticles: considerations on the derivation of a general health-based value. *Nanotoxicology* **10**: 7, 945–956. <https://doi.org/10.3109/17435390.2016.1148793>

**Wittenbecher, C., J. Menzel, M. Carstensen-Kirberg, R. Biemann, R. Di Giuseppe, A. Fritsche, B. Isermann, C. Herder, K. Aleksandrova, H. Boeing, C. Weikert, M. B. Schulze.** 2016. Omentin-1, Adiponectin, and the Risk of Developing Type 2 Diabetes. *Diabetes Care* **39**: 6, e79–e80. <https://doi.org/10.2337/dc15-2702>

**Wohlleben, W., M. D. Driessen, S. Raesch, U. F. Schaefer, C. Schulze, B.V. Vacano, A. Vennemann, M. Wiemann, C. A. Ruge, H. Platsch, S. Mues, R. Ossig, J. M. Tomm, J. Schnekenburger, T. A. Kuhlbusch, A. Luch, C. M. Lehr, A. Haase.** 2016. Influence of agglomeration and specific lung lining lipid/protein interaction on short-term inhalation toxicity. *Nanotoxicology* **10**: 7, 970–980. <https://doi.org/10.3109/17435390.2016.1155671>

## Y

**Yun, J., M. Greiner, C. Holler, U. Messelhauser, A. Rampp, G. Klein.** 2016. Association between the ambient temperature and the occurrence of human *Salmonella* and *Campylobacter* infections. *Sci Rep* **6**: 28442. <https://doi.org/10.1038/srep28442>

## Z

**Zafeiraki, E., I. Vassiliadou, D. Costopoulou, L. Leonadias, H. Schafft, R. L. a. P. Hoogenboom, S. Van Leuwen.** 2016. Perfluoroalkylated substances in edible livers of farm animals, including depuration behaviour in young sheep fed with contaminated grass. *Chemosphere* **156**: 280–285. <https://doi.org/10.1016/j.chemosphere.2016.05.003>

**Zeljenkova, D., R. Alacova, J. Ondrejškova, K. Ambrusova, M. Bartusova, A. Kebis, J. Kovriznych, E. Rollerova, E. Szabova, S. Wimmerova, M. Cernak, Z. Krivosikova, M. Kuricova, A. Liskova, V. Spustova, J. Tulinska, M. Levkut, V. Revajova, Z. Sevcikova, K. Schmidt, J. Schmidtke, P. Schmidt, J. L. La Paz, M. Corujo, M. Pla, G. A. Kleter, E. J. Kok, J. Sharbati, M. Bohmer, N. Bohmer, R. Einspanier, K. Adel-Patient, A. Spök, A. Pötting, C. Kohl, R. Wilhelm, J. Schiemann, P. Steinberg.** 2016. One-year oral toxicity study on a genetically modified maize MON810 variety in Wistar Han RCC rats (EU 7<sup>th</sup> Framework Programme project GRACE). *Arch Toxicol* **90**: 10, 2531–2562. <https://doi.org/10.1007/s00204-016-1798-4>

**Zhang, C., Y. Lai, G. Jin, H. Glatt, Q. Wei, Y. Liu.** 2016. Human CYP2E1-dependent mutagenicity of mono- and dichlorobiphenyls in Chinese hamster (V79)-derived cells. *Chemosphere* **144**: 1908–1915. <https://doi.org/10.1016/j.chemosphere.2015.10.083>

**Zwickel, T., S. M. Kahl, H. Klaffke, M. Rychlik, M. E. Müller.** 2016. Spotlight on the Underdogs—An Analysis of Under-represented Alternaria Mycotoxins Formed Depending on Varying Substrate, Time and Temperature Conditions. *Toxins* **8**: 11, 344. <https://doi.org/10.3390/toxins8110344>

**Zwickel, T., H. Klaffke, K. Richards, M. Rychlik.** 2016. Development of a high performance liquid chromatography tandem mass spectrometry based analysis for the simultaneous quantification of various Alternaria toxins in wine, vegetable juices and fruit juices. *J Chromatogr A* **1455**: 74–85. <https://doi.org/10.1016/j.chroma.2016.04.066>