

# Veröffentlichungen in wissenschaftlichen Journals 2015

## A

- Aiassa, E., J.P. Higgins, G.K. Frampton, M. Greiner, A. Afonso, B. Amzal, J. Deeks, J.L. Dorne, J. Glanville, G.L. Lovei, K. Nienstedt, A.M. O'connor, A.S. Pullin, A. Rajic, D. Verloo.** 2015. Applicability and feasibility of systematic review for performing evidence-based risk assessment in food and feed safety. *Crit Rev Food Sci Nutr* **55:** 7, 1026–1034.
- Akhandaf, Y., S. De Hennauw, M. Dofkova, J. Ruprich, A. Papadopoulos, V. Sirot, M.C. Kennedy, H. Pinchen, K. Blume, O. Lindtner, A.L. Brantsaeter, H.M. Meltzer, I. Sioen.** 2015. Establishing a food list for a Total Diet Study: how does food consumption of specific subpopulations need to be considered? *Food Addit Contam Part A Chem Anal Control Expo Risk Assess* **32:** 1, 9–24.
- Alba, P., F. Feltrin, G. Cordaro, M.C. Porrero, B. Kraushaar, M.A. Argudin, S. Nykasenoja, M. Monaco, M. Stegger, F.M. Aarestrup, P. Butaye, A. Franco, A. Battisti.** 2015. Livestock-Associated Methicillin Resistant and Methicillin Susceptible *Staphylococcus aureus* Sequence Type (CC)1 in European Farmed Animals: High Genetic Relatedness of Isolates from Italian Cattle Herds and Humans. *PLoS One* **10:** 1–10.
- Alt, K., S. Simon, C. Helmeke, C. Kohlstock, R. Prager, E. Tietze, W. Rabsch, I. Karagiannis, D. Werber, C. Frank, A. Fruth.** 2015. Outbreak of Uncommon O4 Non-Agglutinating *Salmonella Typhimurium* Linked to Minced Pork, Saxony-Anhalt, Germany, January to April 2013. *PLoS One* **10:** e0128349.
- Andres, S., U. Hansen, B. Niemann, R. Palavinskas, A. Lampen.** 2015. Determination of the isoflavone composition and estrogenic activity of commercial dietary supplements based on soy or red clover. *Food Funct* **6:** 6, 2017–2025.
- Andresen-Streichert, H., K. Mercer-Chalmers-Bender, M. Meyer, R. Wennig, J. Hallbach, K. Koch, H. Desel, F.T. Peters, H.H. Maurer.** 2015. Trotz aller Sorgfalt. Fehler bei der Arzneimittelherstellung in der Apotheke. *Dtsch Apoth Ztg* **155:** 22, 72.

## B

- Bartl, M., M. Pfaff, A. Ghallab, D. Driesch, S.G. Henkel, J.G. Hengstler, S. Schuster, C. Kaleta, R. Gebhardt, S. Zellmer, P. Li.** 2015. Optimality in the zonation of ammonia detoxification in rodent liver. *Arch Toxicol* **89:** 11, 2069–2078.
- Bartsch, C., M. Weiss, S. Kipper.** 2015. Multiple song features are related to paternal effort in common nightingales. *BMC Evol Biol* **15:** 115.
- Bechlars, S., C. Jaeckel, S. Diescher, D.A. Wustenhagen, S. Kubick, R. Dieckmann, E. Strauch.** 2015. Characterization of trh2 harbouring Vibrio parahaemolyticus strains isolated in Germany. *PLoS One* **10:** e0118559.
- Becker, K., B. Ballhausen, B.C. Kahl, R. Köck.** 2015. The clinical impact of livestock-associated methicillin-resistant *Staphylococcus aureus* of the clonal complex 398 for humans. *Vet Microbiol*.

- Begemann, K., N. Glaser, M. Greiner.** 2015. Reports on cases of poisoning from eye exposure, in particular, detergents and cleaning agents. *Clin Toxicol* **53:** 323.
- Beutin, L., S. Delannoy, P. Fach.** 2015. Genetic Diversity of the fliC Genes Encoding the Flagellar Antigen H19 of *Escherichia coli* and Application to the Specific Identification of Enterohemorrhagic *E. coli* O121:H19. *Appl Environ Microbiol* **81:** 12, 4224–4230.
- Beutin, L., S. Delannoy, P. Fach.** 2015. Sequence variations in the flagellar antigen genes fliCH25 and fliCH28 of *Escherichia coli* and their use in identification and characterization of enterohemorrhagic *E. Coli* (EHEC) O145:H25 and O145:H28. *PLoS ONE* **10:** 5, e0126749.
- Beutin, L., S. Delannoy, P. Fach.** 2016. Genetic Analysis and Detection of fliC(H1) and fliC(H12) Genes Coding for Serologically Closely Related Flagellar Antigens in Human and Animal Pathogenic Escherichia coli. *Front Microbiol* **7:** 135.
- Beutlich, J., J.A. Hammerl, B. Appel, K. Nöckler, R. Helmuth, K. Jost, M.L. Ludwig, C. Hanke, D. Bechtold, A. Mayer-Scholl.** 2015. Characterization of illegal food items and identification of foodborne pathogens brought into the European Union via two major German airports. *Int J Food Microbiol* **209:** 13–19.
- Bier, N., S. Diescher, E. Strauch.** 2015. Multiplex PCR for detection of virulence markers of *Vibrio vulnificus*. *Lett Appl Microbiol* **60:** 414–420.
- Bier, N., C. Jaeckel, R. Dieckmann, N. Brennholt, S.I. Boer, E. Strauch.** 2015. Virulence Profiles of *Vibrio vulnificus* in German Coastal Waters, a Comparison of North Sea and Baltic Sea Isolates. *Int J Environ Res Public Health* **12:** 15943–15959.
- Bier, N., K. Schwartz, B. Guerra, E. Strauch.** 2015. Survey on antimicrobial resistance patterns in *Vibrio vulnificus* and *Vibrio cholerae* non-O1/non-O139 in Germany reveals carbapenemase-producing *Vibrio cholerae* in coastal waters. *Front Microbiol* **6:** 1179.
- Blume, A., T. Platzek, B. Vieth, C. Hutzler, A. Luch.** 2015. Towards the limiting of health risks associated with tattooing: whitelists for tattoo pigments and preservatives. *Curr Probl Dermatol* **48:** 185–189.
- Bohmert, L., B. Niemann, D. Lichtenstein, S. Juling, A. Lampen.** 2015. Molecular mechanism of silver nanoparticles in human intestinal cells. *Nanotoxicology* **9:** 7, 852–860.
- Boone, I., D. Hassler, T. Nguyen, W.D. Splettstoesser, C. Wagner-Wiening, G. Pfaff.** 2015. Tularaemia in southwest Germany: Three cases of tick-borne transmission. *Ticks Tick Borne Dis* **6:** 611–614.
- Booth, A., T. Størseth, D. Altin, A. Fornara, A. Ahniyaz, H. Jungnickel, P. Laux, A. Luch, L. Sørensen.** 2015. Freshwater dispersion stability of PAA-stabilised cerium oxide nanoparticles and toxicity towards *Pseudokirchneriella subcapitata*. *Sci Total Environ* **505:** 596–605.
- Braeuning, A.** 2015. Firefly luciferase inhibition: a widely neglected problem. *Arch Toxicol* **89:** 1, 141–142.
- Braeuning, A., C.J. Henderson, C.R. Wolf, M. Schwarz.** 2015. Model Systems for Understanding Mechanisms of Nongenotoxic Carcinogenesis: Response. *Toxicol Sci* **147:** 2, 299–300.

**Braeuning, A., S. Sawada, A. Oberemm, A. Lampen.** 2015. Analysis of 3-MCPD- and 3-MCPD dipalmitate-induced proteomic changes in rat liver. *Food Chem Toxicol* **86:** 374–384.

**Braeuning, A., M. Thomas, U. Hofmann, S. Vetter, E. Zeller, B. Petzsch, J. Johanning, W. Schroth, T.S. Weiss, U.M. Zanger, M. Schwarz.** 2015. Comparative Analysis and Functional Characterization of HC-AFW1 Hepatocarcinoma Cells: Cytochrome P450 Expression and Induction by Nuclear Receptor Agonists. *Drug Metab Dispos* **43:** 11, 1781–1787.

**Bratz, K., G. Golz, P. Janczyk, K. Nöckler, T. Alter.** 2015. Analysis of *in vitro* and *in vivo* effects of probiotics against *Campylobacter* spp. *Berl Munch Tierarztl Wochenschr* **128:** 155–162.

**Bührke, T., F. Frenzel, J. Kuhlmann, A. Lampen.** 2015. 2-Chloro-1,3-propanediol (2-MCPD) and its fatty acid esters: cytotoxicity, metabolism, and transport by human intestinal Caco-2 cells. *Arch Toxicol* **89:** 12, 2243–2251.

**Bührke, T., E. Kruger, S. Pevny, M. Rossler, K. Bitter, A. Lampen.** 2015. Perfluoroctanoic acid (PFOA) affects distinct molecular signalling pathways in human primary hepatocytes. *Toxicology* **333:** 53–62.

**Buschhausen-Denker, G., H. Diehl, A. Droß, J. Fritzsche, A. Gräbitz, M. Holle, A. Luch, K. Pfaff, K. Riehn, O. Robers, E. Savary, J. Schlegel, T. Teufer, C. Wegmann.** 2015. Lebensmittelsicherheit & Verpackung. *J Verbrauch Lebensm* **10:** 1, 59–86.

## C

- Cabicarová, T., E. Kaclíková, A. Mader, J. Minarovičová, J. Koreňová, T. Kuchta.** 2015. Improvement of the Detection Sensitivity for *Staphylococcus aureus* in Spices and Herbs. *Food Analyt Meth*.
- Chmielewska, J., B. Bert, B. Grune, A. Hensel, G. Schönfelder.** 2015. Der „vernünftige Grund“ zur Tötung von überzähligen Tieren. Eine klassische Frage des Tierschutzrechts im Kontext der biomedizinischen Forschung. *NuR* **37:** 10, 677–682.

## D

- Damiano, M.A., D. Bastianelli, S. Al Dahouk, S. Kohler, A. Cloeckaert, D. De Biase, A. Occhialini.** 2015. Glutamate decarboxylase-dependent acid resistance in *Brucella* spp.: distribution and contribution to fitness under extremely acidic conditions. *Appl Environ Microbiol* **81:** 578–586.
- Degenkolb, T., K. Fog Nielsen, R. Dieckmann, F. Branco-Rocha, P. Chaverri, G.J. Samuels, U. Thrane, H. Von Dohren, A. Vilcinskas, H. Bruckner.** 2015. Peptaibol, secondary-metabolite, and hydrophobin pattern of commercial biocontrol agents formulated with species of the *Trichoderma harzianum* complex. *Chem Biodivers* **12:** 662–684.
- Delannoy, S., L. Beutin, P. Fach.** 2015. Improved traceability of Shiga-toxin-producing *Escherichia coli* using CRISPRs for detection and typing. *Environ Sci Pollut Res Int*.
- 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:**
- Demuth, I., A. Martin, A. Weißenborn.** 2015. Eisen-Supplementierung in der Schwangerschaft. *Z Geburtshilfe Neonatol* **219:** S 01, P10\_16.

**Desel, H.** 2015. Massenvergiftungen. *Med Klin Intensivmed Notfmed* **110:** 1, 15–20.

**Dieckmann, R., J.A. Hammerl, H. Hahmann, A. Wicke, S. Kleta, P.W. Dabrowski, A. Nitsche, M. Stammel, S. Al Dahouk, P. Lasch.** 2015. FDVIBSPC16: Rapid Characterisation of *Klebsiella oxytoca* Isolates from Contaminated Liquid Hand Soap Using Mass Spectrometry, FTIR and Raman Spectroscopy. *Faraday Discuss*.

**Dille, S., E.M. Kleinschmitz, C.W. Kontchou, T. Nölke, G. Häcker.** 2015. In contrast to *Chlamydia trachomatis*, *Waddlia chondrophila* grows in human cells without inhibiting apoptosis, fragmenting the Golgi apparatus, or diverting post-Golgi sphingomyelin transport. *Infect Immun* **83:** 8, 3268–3280.

**Dinh Thanh, M., H. Frentzel, A. Fetsch, B. Appel, A. Mader.** 2015. Effect of dry spices and herbs on the survival of *Staphylococcus aureus* at different temperatures. *Ann Nutr Metab* **67:** 1–601.

**Dinh Thanh, M., H. Frentzel, A. Fetsch, A. Mader, B. Appel.** 2015. Survival of *Staphylococcus aureus* in herbs. *J Food Process Technol* **6:** 8, 136.

**Driessen, M.D., S. Mues, A. Vennemann, B. Hellack, A. Bannuscher, V. Vimalakanthan, C. Riebeling, R. Ossig, M. Wiemann, J. Schnekenburger, T.A. Kuhlbusch, B. Renard, A. Luch, A. Haase.** 2015. Proteomic analysis of protein carbonylation: A useful tool to unravel nanoparticle toxicity mechanisms. *Part Fibre Toxicol* **12:** 1, 36.

## E

**Eckardt, M., C. Freuling, T. Müller, T. Selhorst.** 2015. Spatio-temporal analysis of fox rabies cases in Germany 2005–2006. *Geospat Health* **10:** 1, 313.

**Ehlers, A., S. Florian, F. Schumacher, W. Meinl, D. Lenze, M. Hummel, T. Heise, A. Seidel, H. Glatt, A. Lampen.** 2015. The glucosinolate metabolite 1-methoxy-3-indolyl-methyl alcohol induces a gene expression profile in mouse liver similar to the expression signature caused by known genotoxic hepatocarcinogens. *Mol Nutr Food Res* **59:** 4, 685–697.

**Ehnert, T.** 2015. The Legitimacy of New Risk Governance – A Critical View in Light of the EU's Approach to Nanotechnologies in Food. *Eur Law J* **21:** 1, 44–67.

**El-Adawy, H., M.F. Ahmed, H. Hotzel, H. Tomaso, B.A. Tenhagen, J. Hartung, H. Neubauer, H.M. Hafez.** 2015. Antimicrobial susceptibilities of *Campylobacter jejuni* and *Campylobacter coli* recovered from organic turkey farms in Germany. *Poult Sci* **94:** 11, 2831–2837.

**Ellerbroek, L.** 2015. „One Health“-Symposium zu Ehren von Prof. Dieter Großklaus. *Fleischwirtschaft* **95:** 87.

**Ellerbroek, L., A. Heinrich, J. Zagon, D. Meermeier, T. Müther, H. Schafft, P. Zechel, M. Jasper.** 2015. Nutzung und Entsorgung von tierischen Nebenprodukten und Nebenprodukten der Schlachtung. *J Food Saf Food Qual* **66:** 74–78.

**Engelke, J., H. Knaack, M. Linden, M. Feldmann, N. Gundling, Y. Gundelach, C. Egli, M. Greiner, J.F. Beckers, N.M. Sousa, M.M. Meyerholz, M. Hoedemaker, M. Piechotta.** 2015. Identification of embryonic/fetal mortality in cows by semiquantitative detection of pregnancy-associated glycoproteins. *Livest Sci* **178:** 363–370.

**Epp, A., M. Lohmann, G.-F. Böll.** 2015. Aluminium im Alltag – Risikowahrnehmung der Verbraucherinnen und Verbraucher. *Umwelt und Mensch – Informationsdienst* **1:** 5–12.

**F**

- Faber, M., S. Schink, A. Mayer-Scholl, C. Ziesch, R. Schönfelder, H. Wichmann-Schauer, K. Stark, K. Nöckler.** 2015. Outbreak of trichinellosis due to wild boar meat and evaluation of the effectiveness of post exposure prophylaxis, Germany, 2013. *Clin Infect Dis* **60**: e98–e104.
- Falenski, A., A.A. Weiser, C. Thöns, B. Appel, A. Käsbohrer, M. Filter.** 2015. Towards a Food Safety Knowledge Base Applicable in Crisis Situations and Beyond. *Biomed Res Int* **2015**: 1–11.

**Falgenhauer, L., H. Ghosh, B. Guerra, Y. Yao, M. Fritzenwanker, J. Fischer, R. Helmuth, C. Imirzalioglu, T. Chakraborty.** 2015. Comparative genome analysis of IncHI2 VIM-1 carbapenemase-encoding plasmids of *Escherichia coli* and *Salmonella enterica* isolated from a livestock farm in Germany. *Vet Microbiol*.

**Fauhl-Hassek, C., S. Esslinger, T. Herold, M. Jäger, A. Hensel.** 2015. Herkunftsanalyse von Lebens- und Futtermitteln, Stand der Technik und Perspektiven. *Rundsch Fleischhyg Lebensm* **67**: 9, 331–333.

**Feistkorn, E., K. Begemann, A. Hahn.** 2015. Tattoo-associated granulomatous inflammatory reaction with intensive keloid formation. *Clin Toxicol* **53**: 403.

**Feitrin, F., P. Alba, B. Kraushaar, A. Ianzano, M.A. Argudin, P. Di Matteo, M.C. Porrero, F.M. Aarestrup, P. Butaye, A. Franco, A. Battisti.** 2015. Molecular characterization of a livestock-associated, multidrug-resistant, methicillin-resistant *Staphylococcus aureus* Clonal Complex 97 lineage spreading in dairy cattle and pigs in Italy. *Appl Environ Microbiol* **1**–26.

**Fetsch, A., K. Steege, D. Leeser, G. Krause.** 2015. Interlaboratory Proficiency Testing trial on the Detection of Staphylococcal Enterotoxins types SEA to SEE in food in Germany 2013. *Berl Munch Tierarztl Wochensch* **128**: 5.

**Fischer-Tenhagen, C., D. Johnen, C. Le Danic, J. Gatien, P. Salvetti, B.A. Tenhagen, W. Heuwieser.** 2015. Validation of bovine oestrous-specific synthetic molecules with trained scent dogs; similarities between natural and synthetic oestrous smell. *Reprod Domest Anim* **50**: 7–12.

**G**

**Glaser, N., K. Begemann, E. Feistkorn, A. Hahn.** 2015. Update: Cases of aerotoxic syndrome reported to BfR. *Clin Toxicol* **53**: 319.

**Godwin, H., C. Nameth, D. Avery, L.L. Bergeson, D. Bernard, E. Beryt, W. Boyes, S. Brown, A.J. Clippinger, Y. Cohen, M. Doa, C.O. Hendren, P. Holden, K. Houck, A.B. Kane, F. Klaessig, T. Kodas, E.R. Landsiedel, I. Lynch, T. Malloy, M.B. Miller, J. Muller, K.M. Sullivan, J. Tentschert, P. Wallis, A.E. Nel.** 2015. Nanomaterial categorization for assessing risk potential to facilitate regulatory decision-making. *ACS Nano* **9**: 4, 3409–3417.

**Gordon, S., M. Daneshian, J. Bouwstra, F. Caloni, S. Constant, D.E. Davies, G. Dandekar, C.A. Guzman, E. Fabian, E. Haltner, T. Hartung, N. Hasiwa, P. Hayden, H. Kandarova, S. Khare, H.F. Krug, C. Kneuer, M. Leist, G. Lian, U. Marx, M. Metzger, K. Ott, P. Prieto, M.S. Roberts, E.L. Roggen, T. Tralau, C. Van Den Braak, H. Walles, C.-M. Lehr.** 2015. Non-animal models of epithelial barriers (skin, intestine and lung) in research, industrial applications and regulatory toxicology. *ALTEX* **32**: 4, 327–378.

**Gottschalk, C., S. Ronczka, A. Preiss-Weigert, J. Ostertag, H. Klaffke, H. Schafft, M. Lahrssen-Wiederholz.** 2015. Pyrrolizidine alkaloids in natural and experimental grass silages and implications for feed safety. *Anim Feed Sci Technol* **207**: 253–261.

- Grapp, M., H. Desel.** 2015. Systematic forensic toxicological screening by GC-MS in serum using automated mass spectral deconvolution and identification system. *Toxicol Chem Krimtech* **82**: 2, 100–101.
- Gross, S., A. Johne, J. Adolphs, D. Schlücht, K. Stingl, C. Müller-Graf, J. Bräunig, M. Greiner, B. Appel, A. Käsbohrer.** 2015. *Salmonella* in table eggs from farm to retail – When is cooling required? *Food Control* **47**: 254–263.

**H**

**Habermeyer, M., A. Roth, S. Guth, P. Diel, K.H. Engel, B. Epe, P. Furst, V. Heinz, H.U. Humpf, H.G. Joost, D. Knorr, T. De Kok, S. Kulling, A. Lampen, D. Marko, G. Rechkemmer, I. Rietjens, R.H. Stadler, S. Vieths, R. Vogel, P. Steinberg, G. Eisenbrand.** 2015. Nitrate and nitrite in the diet: How to assess their benefit and risk for human health. *Mol Nutr Food Res* **59**: 1, 106–128.

**Hahn, A., K. Begemann, E. Feistkorn, M. Greiner.** 2015. BfR case series of elevated metal levels caused by metal-on-metal implants. *Clin Toxicol* **53**: 336.

**Hahn, A., M. Fischer, D. Walter, C. Dasenbrock, W. Koch, K. Begemann, M. Greiner.** 2015. Serious magic-nano-like lung oedemas caused by a liquid stain protection product: Using two new tests as a combined screening tool for aerosol products. *Clin Toxicol* **15**: 318.

**Hahn, A., M. Prochnow, K. Begemann, E. Feistkorn.** 2015. Evaluation of human cases with elemental and inorganic mercury exposure compared to German human biomonitoring (HBM) values. *Clin Toxicol* **53**: 336–337.

**Halwachsa, S., C. Kneuer, K. Gohlsch, M. Müllera, V. Ritz, W. Honschaa.** 2016. The ABCG2 efflux transporter from rabbit placenta: cloning and functional characterization. *Placenta* **38**: 8–15.

**Hamidi, A., A. Mayer-Scholl, S. Dreshaj, A. Robaj, D. Sylejmani, N. Ramadani, S. Al Dahouk, K. Nöckler.** 2015. Isolation and Identification of *Brucella melitensis* Biovar 3 from Vaccinated Small Ruminants: A Public Health Threat in Kosovo. *Transbound Emerg Dis* **1**–3.

**Hammerl, J.A., C. Jaeckel, S. Hertwig.** 2015. Genetics of *Campylobacter* phages. *Berl Munch Tierarztl Wochensch* **128**: 148–154.

**Hammerl, J.A., P. Lasch, A. Nitsche, P.W. Dabrowski, H. Hahmann, A. Wicke, S. Kleta, S. Al Dahouk, R. Dieckmann.** 2015. Draft Genome Sequences of *Klebsiella oxytoca* Isolates Originating from a Highly Contaminated Liquid Hand Soap Product. *Genome Announc* **3**: e00820–00815.

**Hammerl, J.A., K. Mertens, L.D. Sprague, V.H. Hackert, J. Buijs, C.J. Hoebe, K. Henning, H. Neubauer, S. Al Dahouk.** 2015. First Draft Genome Sequence of a Human *Coxiella burnetii* Isolate, Originating from the Largest Q Fever Outbreak Ever Reported, the Netherlands, 2007 to 2010. *Genome Announc* **3**: e00445–00415.

**Hammerl, J.A., N. Roschanski, R. Lurz, R. Johne, E. Lanka, S. Hertwig.** 2015. The Molecular Switch of Telomere Phages: High Binding Specificity of the PY54 Cro Lytic Repressor to a Single Operator Site. *Viruses* **7**: 2771–2793.

**Hammerl, J.A., R.G. Ulrich, C. Imholt, H.C. Scholz, J. Jacob, N. Kratzmann, K. Nöckler, S. Al Dahouk.** 2015. Molecular Survey on Brucellosis in Rodents and Shrews – Natural Reservoirs of Novel *Brucella* Species in Germany? *Transbound Emerg Dis* **1**–9.

**Haneke, F., T.A. Schildhauer, J. Strauch, J. Swol.** 2015. Use of extracorporeal membrane oxygenation in an awake patient after a major trauma with an incidental finding of tuberculosis. *Perfusion*.

- Hartemann, P., P. Hoet, P. Proykova, T. Fernandes, A. Baun, W. De Jong, J. Filser, A. Hensten, C. Kneuer, J.Y. Maillard, H. Norppa, M. Scheringer, S. Wijnhoven.** 2015. Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. Considering emerging and newly identified health risks. *Mater Today (Kidlington)* **18**: 3, 122–123.

**Held, K., L. Bhonsle-Deeng, K. Siewert, W. Sato, E. Beltran, S. Schmidt, G. Rühl, J.K. Ng, P. Engerer, M. Moser, W.E. Klinkert, H. Babbe, T. Misgeld, H. Wekerle, D.A. Laplaud, R. Hohlfeld, K. Dornmair.** 2015. alphabeta T-cell receptors from multiple sclerosis brain lesions show MAIT cell-related features. *Neurol Neuroimmunol Neuroinflamm* **2**: 4, e107.

**Henkler, F., A. Luch.** 2015. Alternativen zu Zigaretten und herkömmlichen Tabakerzeugnissen – Ein kurzer historischer und aktueller Überblick. *Rundsch Fleischhyg Lebensm* **67**: 1, 39–41.

**Henkler, F., A. Luch.** 2015. European Tobacco Product Directive: How to address characterizing flavors as a matter of attractiveness? *Arch Toxicol* **89**: 8, 1395–1398.

**Henkler, F., A. Luch.** 2015. Safety regulations: More extensive tests for e-cigarettes. *Nature* **525**: 7568, 187.

**Hoie, A.H., C. Svendsen, G. Brunborg, H. Glatt, J. Alexander, W. Meirl, T. Husoy.** 2015. Genotoxicity of three food processing contaminants in transgenic mice expressing human sulfotransferases 1A1 and 1A2 as assessed by the *in vivo* alkaline single cell gel electrophoresis assay. *Environ Mol Mutagen* **56**: 8, 709–714.

**Hoogenboom, R.L.a.P., M.L. Stark, M. Spolders, M. Zeilmaker, W.A. Traag, G. Ten Dam, H. Schafft.** 2015. Accumulation of polychlorinated dibenz-p-dioxins, dibenzofurans, and biphenyls in livers of young sheep. *Chemosphere* **122**: 137–144.

**I**

- Ibrahim, V., A. Schielke, I. Czogiel, M. Faber, C. Schrader, P. Dremsek, R.G. Ulrich, R. Johne.** 2015. Hepatitis E-Virus bei Wildschweinen und Jägern in einem Landkreis in Hessen (2012/2013). *Amtstierärztlicher Dienst und Lebensmittelkontrolle* **22**: 242–247.

**J**

- Jäckel, C., J.A. Hammerl, J. Reetz, A.M. Kropinski, S. Hertwig.** 2015. *Campylobacter* group II phage CP21 is the prototype of a new subgroup revealing a distinct modular genome organization and host specificity. *BMC Genomics* **16**: 629.
- Jäger, M., H. Strüve, H.A. Schafft, A. Hensel.** 2015. Die Grenzen des Risikobegriffs in Routine- und Krisenzeiten. *Rundsch Fleischhyg Lebensm* **67**: 11, 403–404.

**Janczyk, P., K. Busing, B. Dobenecker, K. Nöckler, A. Zeyner.** 2015. Effect of high dietary zinc oxide on the caecal and faecal short-chain fatty acids and tissue zinc and copper concentration in pigs is reversible after withdrawal of the high zinc oxide from the diet. *J Anim Physiol Anim Nutr (Berl)* **99 Suppl S1**: 13–22.

**John, A., S. Gross, K. Stingl, J. Adolphs, D. Schlücht, C. Müller-Graf, M. Greiner, B. Appel, J. Bräunig, A. Käsbohrer.** 2015. Reicht die derzeitige Kühlung von Konsumeiern aus, um das Erkrankungsrisiko durch Salmonellen zu minimieren? *Rundsch Fleischhyg Lebensm* **67**: 99–101.

**John, A., S. Gross, K. Stingl, J. Adolphs, D. Schlücht, C. Müller-Graf, M. Greiner, B. Appel, A. Käsbohrer.** 2015. Reicht die derzeitige Kühlung von Konsumeiern aus, um das Erkrankungsrisiko durch Salmonellen zu minimieren? *Rundsch Fleischhyg Lebensm* **67**: 3, 99–101.

- John, R., J. Reetz, B.B. Kaufer, E. Trojnar.** 2015. Generation of an Avian-Mammalian Rotavirus Reassortant by Using a Helper Virus-Dependent Reverse Genetics System. *J Virol* **90**: 1439–1443.

**John, R., K. Szabo, E. Trojnar.** 2015. Hepatitis E-Virus als Zoonose-Erreger in Deutschland – ein Update. *Rundsch Fleischhyg Lebensm*.

**Jungnickel, H., P. Laux, A. Luch.** 2015. Mikroplastik – Eine Grundlage für die Risikobewertung wird entwickelt. *ForschungsReport (FoRep)* **1**, 12–15.

**Jurke, A., N. Bannert, K. Brehm, V. Fingerle, V.A. Kempf, D. Kompf, M. Lunemann, A. Mayer-Scholl, M. Niedrig, K. Nöckler, H. Scholz, W. Splettstoesser, D. Tappe, S.F. Fischer.** 2015. Serological survey of *Bartonella* spp., *Borrelia burgdorferi*, *Brucella* spp., *Coxiella burnetii*, *Francisella tularensis*, *Leptospira* spp., *Echinococcus*, *Hanta*, TBE- and XMR-virus infection in employees of two forestry enterprises in North Rhine-Westphalia, Germany, 2011–2013. *Int J Med Microbiol* **305**: 652–662.

**K**

- Kalkhof, S., F. Dautel, S. Loguercio, S. Baumann, S. Trump, H. Jungnickel, W. Otto, S. Rudzok, S. Potratz, A. Luch, I. Lehmann, A. Beyer, M. Von Bergen.** 2015. Pathway and time-resolved benzo[a]pyrene toxicity on Hepa1c1c7 cells at toxic and subtoxic exposure. *J Proteome Res* **14**: 1, 164–182.

**Karrasch, M., K. Herfurth, M. Klaver, J. Miethke, A. Mayer-Scholl, E. Luge, E. Straube, M. Busch.** 2015. Severe leptospirosis complicated by Epstein-Barr Virus reactivation. *Infection* **43**: 763–769.

**Käsbohrer, A.** 2015. Ökologie der Antibiotikaresistenz: Besonderheiten der Extended-spectrum-beta-Laktamasen. *Internist (Berl)* **56**: 1233–1245.

**Keller, M., S. Weiss, C. Hutzler, K.K. Kuhn, C. Mollereau, S. Dukorn, L. Schindler, G. Bernhardt, B. König, A. Buschauer.** 2015. N-carbamoylation of the argininamide moiety: An avenue to insurmountable NPY Y receptor antagonists and a radiolabeled selective high affinity molecular tool ([H]UR-MK299) with extended residence time. *J Med Chem* **58**: 22, 8834–8849.

**Kipper, S., S. Kiefer, C. Bartsch, M. Weiss.** 2015. Female calling? Song responses to conspecific call playbacks in nightingales, *Luscinia megarhynchos*. *Anim Behav* **100**: 60–66.

**Kneuer, C., K. Wend, E.W.G.O.D. Absorption.** 2015. Assessment of new scientific studies on human *in vitro* dermal absorption. *SCIENTIFIC REPORT OF EFSA* on the assessment of new scientific studies on human *in vitro* dermal absorption. *EFSA Journal* **13**: 11, 4304, 4313 pp.

**Kolrep, F.** 2015. *In vitro* metabolism of the cyanotoxin cylindrospermopsin in HepaRG cells and liver tissue fractions. *Toxicon*.

**Kolrep, F., S. Hessel, A. These, A. Ehlers, K. Rein, A. Lampen.** 2015. Differences in metabolism of the marine biotoxin okadaic acid by human and rat cytochrome P450 monooxygenases. *Arch Toxicol* **12**.

**Kopke, S., T. Bührke, A. Lampen.** 2015. miRNA Expression in Human Intestinal Caco-2 Cells is Comparably Regulated by cis- and trans-Fatty Acids. *Lipids* **50**: 3, 227–239.

**Kovac, J., N. Cadez, B. Stessl, K. Stingl, I. Gruntar, M. Ocepek, M. Trkov, M. Wagner, S. Smole Mozina.** 2015. High genetic similarity of ciprofloxacin-resistant *Campylobacter jejuni* in central Europe. *Front Microbiol* **6**: 1169.

- Kowalczyk, J., S. Riede, H. Schafft, G. Breves, M. Lahrsen-Wiederholz.** 2015. Can perfluoroalkyl acid biodegrade in the rumen simulation technique (RUSITEC)? Environ Sci Europe **27:** 30.
- Kowoll, S., S. Kurzenhäuser-Carstens, A. Martin, A. Weißenborn.** 2015. Folsäure zur Prävention von Neuralrohrdefekten – Wissen und Einstellungen sowie Beratungs- und Einnahmepraxis in Berlin. Z Geburtshilfe Neonatol **219:** S 01, P11\_18. 10.1055/s-0035-1566703.
- Kraemer, N., E. Ravindran, S. Zagout, G. Neubert, D. Schindler, O. Ninnemann, R. Graf, A. E. M. Seiler, A. M. Kaindl.** 2015. Loss of CDK5RAP2 affects neural but not non-neuronal mESC differentiation into cardiomyocytes. Cell cycle **14:** 13, 2044–2057.
- Kugler, J., J. Tharmann, S. M. Chuva De Sousa Lopes, R. Kemler, A. Luch, M. Oelgeschläger.** 2015. A Bmp reporter transgene mouse embryonic stem cell model as a tool to identify and characterize chemical teratogens. Toxicol Sci **146:** 2, 374–385.

**L**

- Lahrssen-Wiederholz, M., C. Müller-Graf, C. Sommerfeld, N. Bandick, H. Schafft.** 2015. Minimierung des Bleieintrags bei jagdlich gewonnenem Wildbret. Fleischwirtschaft **95:** 6.
- Laux, P., A. Luch.** 2015. The European landscape of national regulations of tattoo inks and businesses. Curr Probl Dermatol **48:** 196–200.
- Li, T.C., T. Yang, S. Yoshizaki, Y. Ami, Y. Suzuki, K. Ishii, K. Haga, T. Nakamura, S. Ochiai, W. Takaji, R. Johne.** 2015. Construction and characterization of an infectious cDNA clone of rat hepatitis E virus. J Gen Virol **96:** 1320–1327.
- Lichtenberg, B., U. Mischke, S. Scherf, M. Röver, S. Martin.** 2015. Hazard and risk based allocation of safety instructions to operators handling pesticides. J Verbrauch Lebensm **10:** 4, 373–384.
- Lichtenstein, D., J. Ebmeyer, P. Knappe, S. Juling, L. Bohmer, S. Selve, B. Niemann, A. Braeuning, A. F. Thunemann, A. Lampen.** 2015. Impact of food components during *in vitro* digestion of silver nanoparticles on cellular uptake and cytotoxicity in intestinal cells. Biol Chem **396:** 11, 1255–1264.
- Luckert, C., S. Hessel, A. Lampen, A. Braeuning.** 2015. Utility of an appropriate reporter assay: Heliotrine interferes with GAL4/upstream activation sequence-driven reporter gene systems. Anal Biochem **487:** 45–48.
- Luckert, C., S. Hessel, D. Lenze, A. Lampen.** 2015. Disturbance of gene expression in primary human hepatocytes by hepatotoxic pyrrolizidine alkaloids: A whole genome transcriptome analysis. Toxicol In Vitro **29:** 7, 1669–1682.

**M**

- Mader, A., S. Schaarschmidt.** 2015. Bakteriologische Sicherheit von Gewürzen. Fleischwirtschaft **11:** 42–47.
- Martin, A., A. Miko, L. Beutin.** 2015. Nachweis und Isolierung von Shigatoxin-produzierenden *Escherichia coli* (STEC) aus Milchproben: Ergebnisse und Schlussfolgerungen aus zwei Ringversuchen mit amtlichen Untersuchungslaboren. J Verbrauch Lebensm **10:** 1, 29–40.
- Marx-Stötting, P., A. Bräuning, T. Bührke, A. Lampen, L. Niemann, M. Oelgeschläger, S. Rieke, F. Schmidt, T. Heise, R. Pfeil, R. Solecki.** 2015. Application of omics data in regulatory toxicology: report of an international BfR expert workshop. Arch Toxicol **89:** 11, 2177–2184.

- Maurischat, S., B. Baumann, A. Martin, B. Malorny.** 2015. Rapid detection and specific differentiation of *Salmonella enterica* subsp. enterica Enteritidis, Typhimurium and its monophasic variant 4,[5],12:i:- by real-time multiplex PCR. Int J Food Microbiol **193:** 8–14.
- Maurischat, S., M. Rossow, L. Ellerbroek, R. Pichner, B. Malorny.** 2015. Prävalenz und Kontaminationsrisikofaktoren für *Salmonella* spp. in Hähnchen und Hähnchenfleisch in Deutschland und der Europäischen Union. Berl Munch Tierarztl Wochenschr **128:** 3–13.
- Maurischat, S., I. Szabo, B. Baumann, B. Malorny.** 2015. Rapid real-time PCR methods to distinguish *Salmonella* Enteritidis wildtype field isolates from vaccine strains Salmovac SE/Gallivac SE and AviPro SALMONELLA VAC E. J Microbiol Methods **112:** 92–98.
- McFarland, S., K. Begemann, M. Greiner.** 2015. Tiervergiftungen in Deutschland. Erprobung eines Mitteilungsbogens. Deutsches Tierärzteblatt **3:** 356–359.
- Mendoza, E., K. Tokarev, D.N. During, E. C. Retamosa, M. Weiss, N. Arpenik, C. Scharff.** 2015. Differential coexpression of FoxP1, FoxP2, and FoxP4 in the Zebra Finch (*Taeniopygia guttata*) song system. J Comp Neurol **523:** 9, 1318–1340.
- Merkel, S., S. Richter, J. Weyer, O. Kappenstein, K. Pfaff, A. Luch.** 2015. Inter-laboratory comparison study on the determination of primary aromatic amines in cold water extracts of coloured paper napkins. Food Addit Contam Part A Chem Anal Control Expo Risk Assess **32:** 8, 1367–1372.
- Müller, F., C. Hackethal, R. Schmidt, O. Kappenstein, K. Pfaff, A. Luch.** 2015. Metal release from coffee machines and electric kettles. Food Addit Contam Part A Chem Anal Control Expo Risk Assess **32:** 11, 1959–1964.

**N**

- Nagy, B., A. Szmolka, S. Smole Mozina, J. Kovac, A. Strauss, S. Schlager, J. Beutlich, B. Appel, M. Lusicky, P. Aprikian, J. Paszti, I. Toth, R. Kugler, M. Wagner.** 2015. Virulence and antimicrobial resistance determinants of verotoxigenic *Escherichia coli* (VTEC) and of multidrug-resistant *E. coli* from foods of animal origin illegally imported to the EU by flight passengers. Int J Food Microbiol **209:** 52–59.
- Ng, T.F.F., J. Sachsenröder, G. Reuter, N.J. Knowles, E. Delwart, R. Johne.** 2015. Rabovirus: a proposed new picornavirus genus that is phylogenetically basal to enteroviruses and sapeloviruses. Arch Virol **160:** 2569–2575.
- Ng, T.F.F., W. Zhang, J. Sachsenröder, N.O. Kondov, A.C. Da Costa, E. Vega, L.R. Holtz, G. Wu, D. Wang, C.O. Stine, M. Antonio, U.S. Mulvaney, M.O. Muench, X. Deng, K. Ambert-Balay, P. Pothier, J. Vinjé, E. Delwart.** 2015. A diverse group of small circular ssDNA viral genomes in human and non-human primate stools. Virus Evol **1:** vev017.
- Niemann, L., C. Sieke, R. Pfeil, R. Solecki.** 2015. A critical review of glyphosate findings in human urine samples and comparison with the exposure of operators and consumers J Verbrauch Lebensm **10:** 1, 3–12.

**O**

- Oeleker, K., T. Alter, J. Kleer, R.P. Pund, G. Götz, G. Hildebrandt, S. Huehn.** 2015. Microbiological and chemical investigation of caviar at retail. J Verbrauch Lebensm **10:** s1, 35–37.
- Oltmanns, J., F. Neisel, G. Heinemeyer, E. Kaiser, K. Schneider.** 2015. Consumer exposure modelling under REACH: Assessing the defaults. Regul Toxicol Pharmacol **72:** 2, 222–230.

- Ooka, T., Y. Ogura, K. Katsura, K. Seto, H. Kobayashi, K. Kawano, E. Tokuoka, M. Furukawa, S. Harada, S. Yoshino, J. Seto, T. Ikeda, K. Yamaguchi, K. Murase, Y. Gotoh, N. Imuta, J. Nishi, T.A. Gomes, L. Beutin, T. Hayashi.** 2015. Defining the Genome Features of *Escherichia albertii*, an Emerging Enteropathogen Closely Related to *Escherichia coli*. Genome Biol Evol **7:** 12, 3170–3179.
- Orquera, S., S. Hertwig, T. Alter, J.A. Hammerl, A. Jirova, G. Golz.** 2015. Development of transient phage resistance in *Campylobacter coli* against the group II phage CP84. Berl Munch Tierarztl Wochenschr **128:** 141–147.
- Otto, P.H., S. Rosenhain, M.C. Elschner, H. Hotzel, P. Machnowska, E. Trojnar, K. Hoffmann, R. Johne.** 2015. Detection of rotavirus species A, B and C in domestic mammalian animals with diarrhoea and genotyping of bovine species A rotavirus strains. Vet Microbiol **179:** 168–176.

**P**

- Partosch, F., H. Mielke, R. Pirow, U. Gundert-Remy.** 2015. Internal exposure with bisphenol A by medical devices – Comparison with t-TDI. Naunyn Schmiedebergs Arch Pharmacol **388:** Supplement 1, S 64.
- Partosch, F., H. Mielke, R. Stahlmann, U. Gundert-Remy.** 2015. Caffeine intake in pregnancy: Relationship between internal intake and effect on birth weight. Food Chem Toxicol **86:** 291–297.
- Partosch, F., H. Mielke, R. Stahlmann, B. Kleuser, S. Barlow, U. Gundert-Remy.** 2015. Internal threshold of toxicological concern values: enabling route-to-route extrapolation. Arch Toxicol **89:** 6, 941–948.
- Paschke, M., C. Hutzler, J. Brinkmann, F. Henkler, A. Luch.** 2015. Polycyclic aromatic hydrocarbons in newspaper inks: Migration, metabolism and genotoxicity in human skin. Polycycl Aromat Compd **35:** 1, 32–40.
- Paschke, M., C. Hutzler, F. Henkler, A. Luch.** 2015. Toward the stereochemical identification of prohibited characterizing flavors in tobacco products: The case of strawberry flavor. Arch Toxicol **89:** 8, 1241–1255.
- Paßlack, N., B. Mainzer, M. Lahrssen-Wiederholz, H. Schafft, R. Palavinskas, A. Breithaupt, J. Zentek.** 2015. Concentrations of strontium, barium, cadmium, copper, zinc, manganese, chromium, antimony, selenium, and lead in the liver and kidneys of dogs according to age, gender, and the occurrence of chronic kidney disease. J Vet Sci **16:** 57–66.
- Petzsch, B., N. Groll, M. Schwarz, A. Braeuning.** 2015. Application of HC-AFW1 Hepatocarcinoma Cells for Mechanistic Studies: Regulation of Cytochrome P450 2B6 Expression by Dimethyl Sulfoxide and Early Growth Response 1. Drug Metab Dispos **43:** 11, 1727–1733.
- Pinior, B., F.J. Conraths, B. Petersen, T. Selhorst.** 2015. Decision support for risks managers in the case of deliberate food contamination: The dairy industry as an example. Omega **53:** 41–48.
- Plaza-Rodríguez, C., B. Appel, A. Käsbohrer, M. Filter.** 2015. 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 **1–12.**
- Plaza-Rodríguez, C., C. Thöns, A. Falenski, A.A. Weiser, B. Appel, A. Käsbohrer, M. Filter.** 2015. A strategy to establish Food Safety Model Repositories. Int J Food Microbiol **204:** 81–90.

- Prill, S., D. Bavli, G. Levy, E. Ezra, E. Schmälzlin, M. S. Jaeger, M. Schwarz, C. Duschl, M. Cohen, Y. Nahmias.** 2015. Real-time monitoring of oxygen uptake in hepatic bioreactor shows CYP450-independent mitochondrial toxicity of acetaminophen and amiodarone. Arch Toxicol.

- Ptok, S., O. Lindtner, G. Heinemeyer, H. Heseker.** 2015. Dietary exposure to polysorbates in German population groups using maximum permitted levels. Ann Nutr Metab **67:** Suppl. 1, 482.

**R**

- Rensch, U., M. Greiner, G. Klein, C. Kehrenberg.** 2015. Mathematical modeling to predict the fitness cost associated with tricosan tolerance in *Salmonella enterica* serovars. Food Control **53:** 9–13.

- Riebeling, C., K. Fischer, A. Luch, A. E. M. Seiler.** 2015. Classification of reproductive toxicants with diverse mechanisms in the embryonic stem cell test. J Toxicol Sci **40:** 6, 809–815.

- Röder, N., C. Hutzler.** 2015. Laserentfernung von Tattoos: Aus Blau(wal) wird Blausäure? Toxikologie aktuell 9, 1.

- Rodriguez-Lazaro, D., J. Ariza-Miguel, M. Diez-Valcarce, B. Stessl, J. Beutlich, I. Fernandez-Natal, M. Hernandez, M. Wagner, J. Rovira.** 2015. Identification and molecular characterization of pathogenic bacteria in foods confiscated from non-EU flights passengers at one Spanish airport. Int J Food Microbiol **209:** 20–25.

- Rohde, A., J.A. Hammerl, B. Appel, R. Dieckmann, S. Al Dahouk.** 2015. FISHing for bacteria in food – a promising tool for the reliable detection of pathogenic bacteria? Food Microbiol **46:** 395–407.

- Rohde, A., J.A. Hammerl, B. Appel, R. Dieckmann, S. Al Dahouk.** 2015. Sampling and Homogenization Strategies Significantly Influence the Detection of Foodborne Pathogens in Meat. Biomed Res Int **2015:** 145437.

- Roschanski, N., A. Friese, C. Von Salviati-Claudius, J. Hering, A. Kaesbohrer, L. Kreienbrock, U. Roesler.** 2015. Prevalence of carbapenemase producing *Enterobacteriaceae* isolated from German pig-fattening farms during the years 2011–2013. Vet Microbiol.

**S**

- Sawada, S., A. Oberemm, T. Bührke, C. Meckert, C. Rozicky, A. Braeuning, A. Lampen.** 2015. Proteomic analysis of 3-MCPD and 3-MCPD dipalmitate toxicity in rat testis. Food Chem Toxicol **83:** 84–92.

- Schaarschmidt, S.** 2015. Mikrobiologische Standards für getrocknete Küchenkräuter und Gewürze (submitted). Rundsch Fleischhyg Lebensm **1–3.**

- Schafft, H.** 2015. Sicherheit durch Hygienisierung. Feed Mag **3–4:** 5.

- Schielke, A., V. Ibrahim, I. Czogiel, M. Faber, C. Schrader, P. Dremsek, R.G. Ulrich, R. Johne.** 2015. Hepatitis E virus antibody prevalence in hunters from a district in Central Germany, 2013: a cross-sectional study providing evidence for the benefit of protective gloves during disembowelling of wild boars. BMC Infect Dis **15:** 440.

- Schlechtriem, C., J. Pucher, B. Michalski.** 2015. Dietary burden calculations relating to fish metabolism studies. J Sci Food Agric.

- Schleicher, J., C. Tokarski, E. Marbach, M. Matz-Soja, S. Zellmer, R. Gebhardt, S. Schuster.** 2015. Zonation of hepatic fatty acid metabolism – The diversity of its regulation and the benefit of modeling. Biochim Biophys Acta **1851:** 641–656.

- Schlichting, D., K. Nöckler, P. Bahn, E. Luge, M. Greiner, C. Müller-Graf, A. Mayer-Scholl.** 2015. Estimation of the sensitivity and specificity of a *Leptospira* spp. in-house ELISA through Bayesian modelling. *Int J Med Microbiol* **305**: 7, 756–761.
- Schneider, H., A. Seidel, H. Glatt.** 2015. Enantiomers of 7-hydroxy-7,8,9,10-tetrahydro-benzo[a]pyrene: human sulphotransferase-mediated mutagenicity, chiral inversion and dehydration. *Iore J Environ Sci* **1**: 1, 1–18.
- Schönfelder, G., B. Grune, M. Oelgeschlaeger, A. Hensel.** 2015. Laboratory animals: German initiative opens up animal data. *Nature* **519**: 7541, 33.
- Schönfelder, G., B. Grune, A. Hensel.** 2015. Animal welfare: Europe's first „3Rs“ governmental centre. *Nature* **527**: 7576, 38.
- Schreiver, I., C. Hutzler, P. Laux, H. P. Berlien, A. Luch.** 2015. Formation of highly toxic hydrogen cyanide upon ruby laser irradiation of the tattoo pigment phthalocyanine blue. *Sci Rep* **5**: 12915.
- Schubert, J., F.D. Müller, R. Schmidt, A. Luch, T.G. Schulz.** 2015. Waterpipe smoke: Source of toxic and carcinogenic VOCs, phenols and heavy metals? *Arch Toxicol* **89**: 11, 2129–2139.
- Schulthess, P., A. Löffler, S. Vetter, L. Kreft, M. Schwarz, A. Braeuning, N. Bluthgen.** 2015. Signal integration by the CYP1A1 promoter – a quantitative study. *Nucleic Acids Res* **43**: 11, 5318–5330.
- Schulze, M., C. Ammon, K. Rudiger, M. Jung, M. Grobbeck.** 2015. Analysis of hygienic critical control points in boar semen production. *Theriogenology* **83**: 430–437.
- Schulze, M., M. Grobbeck, K. Müller, C. Junkes, M. Dathe, K. Rudiger, M. Jung.** 2015. Challenges and Limits Using Antimicrobial Peptides in Boar Semen Preservation. *Reprod Domest Anim* **50 Suppl 2**: 5–10.
- Schumann, R., S. Klenow, B. Dusemund, A. Poeting, A. Lampen.** 2015. Risk assessment of plants and plant preparations. *Ann Nutr Metab* **67**: 503.
- Schweter, A., N. Parreidt, C. Lähnwitz, N. Ehlscheid, G. Heinemeyer, M. Greiner, O. Lindtner.** 2015. Kinder-Ernährungsstudie zur Erfassung des Lebensmittelverzehrs (KiESEL). UMID: Umwelt und Mensch – Informationsdienst 2: 57–63.
- Scientific Committee on Consumer Safety, U. Bernauer, P.J. Coenraads, G.H. Degen, M. Dusinska, W. Lilienblum, A. Luch, E. Nielsen, T. Platzek, S. Rastogi, C. Rousselle, J. Van Benthem, A. Bernard, A. Gimenez-Arnau, T. Vanhaecke.** 2015. Opinion of the Scientific Committee on Consumer Safety (SCCS) – The safety of the use of formaldehyde in nailhardeners. *Regul Toxicol Pharmacol* **72**: 3, 658–659.
- Scientific Committee on Consumer Safety (Sccs), U. Bernauer.** 2015. Opinion of the scientific committee on consumer safety (SCCS) – 2<sup>nd</sup> Revision of the safety of the use of poly(hexamethylene) biguanide hydrochloride or polyaminopropyl biguanide (PHMB) in cosmetic products. *Regul Toxicol Pharmacol* **73**: 3, 885–886.
- Scientific Committee on Health and Environmental Risks (Scher), R. Kratke.** 2015. Does the EU migration level of chromium VI in toys need to be lowered? *Regul Toxicol Pharmacol* **73**: 2, 687–688.
- Shah, A.D., Z.Q. Liu, E. Salhi, T. Höfer, U. Von Gunten.** 2015. Peracetic acid oxidation of saline waters in the absence and presence of H<sub>2</sub>O<sub>2</sub>: secondary oxidant and disinfection byproduct formation. *Environ Sci Technol* **49**: 3, 1698–1705.
- Shah, A.D., Z.-Q. Liu, E. Salhi, T. Höfer, B. Werschkun, U. Von Gunten.** 2015. Formation of disinfection by-products during ballast water treatment with ozone, chlorine, and peracetic acid: influence of water quality parameters. *Environ Sci* **1**: 4, 465–480.
- Shihadeh, A., J. Schubert, J. Klaiany, M. El Sabban, A. Luch, N.A. Saliba.** 2015. Toxicant content, physical properties and biological activity of waterpipe tobacco smoke and its tobacco-free alternatives. *Tob Control* **24**: Suppl, i22–i30.
- Simon, M., M. Lubnow, C.M. Reng, N. Kutz, K. Nöckler, U. Reischl, A. Mayer-Scholl.** 2015. Diagnostik der Leptospirose – Schwierigkeiten und Limitationen. *Der Mikrobiologe* **25**: 100–106.
- Simoneit, C., E. Burow, B.A. Tenhagen, A. Käsbohrer.** 2015. Oral administration of antimicrobials increase antimicrobial resistance in *E. coli* from chicken – A systematic review. *Prev Vet Med* **118**: 1–7.
- Smirnova, L., A. E. Seiler, A. Luch.** 2015. microRNA profiling as tool for developmental neurotoxicity testing (DNT). *Curr Probl Dermatol* **64**: 1–22.
- Smith, H., A. Bossers, F. Harders, G. Wu, N. Woodford, S. Schwarz, B. Guerra, I. Rodriguez, A. Van Essen-Zandbergen, M. Brouwer, D. Mevius.** 2015. Characterization of epidemic IncI1-Igamma plasmids harboring ambler class A and C genes in *Escherichia coli* and *Salmonella enterica* from animals and humans. *Antimicrob Agents Chemother* **59**: 9, 5357–5365.
- Solecki, R., M. Rauch, A. Gall, J. Buschmann, R. Clark, A. Fuchs, H. Kan, V. Heinrich, R. Kellner, T.B. Knudsen, W. Li, S.L. Makris, Y. Ooshima, F. Paumgartten, A. H. Piersma, G. Schönfelder, M. Oelgeschläger, C. Schaefer, K. Shiota, B. Ulbrich, X. Ding, I. Chahoud.** 2015. Continuing harmonization of terminology and innovations for methodologies in developmental toxicology: Report of the 8th Berlin Workshop on Developmental Toxicity, 14–16 May 2014. *Reprod Toxicol* **57**: 140–146.
- Sorensen, M.C., Y.E. Gencay, T. Birk, S.B. Baldvinsson, C. Jackel, J.A. Hammerl, C.S. Vegge, H. Neve, L. Brondsted.** 2015. Primary isolation strain determines both phage type and receptors recognised by *Campylobacter jejuni* bacteriophages. *PLoS One* **10**: e0116287.
- Stempin, S., A. Engel, N. Winkler, T. Bührke, A. Lampen.** 2015. Morphological and molecular characterization of the human breast epithelial cell line M13SV1 and its tumorigenic derivatives M13SV1-R2-2 and M13SV1-R2-N1. *Cancer Cell Int* **15**: 110.
- Stingl, K., C. Buhler, N.J. Krüger.** 2015. *Campylobacter* detection along the food chain – towards improved quantitative risk analysis by live/dead discriminatory culture-independent methods. *Berl Munch Tierarztl Wochenschr* **128**: 122–129.
- Stommel, C., H. Hofer, M. Grobbeck, 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**: 21–30.
- Szabo, K., E. Trojnar, H. Anheyer-Behmenburg, A. Binder, U. Schotte, L. Ellerbroek, G. Klein, R. John.** 2015. Detection of hepatitis E virus RNA in raw sausages and liver sausages from retail in Germany using an optimized method. *Int J Food Microbiol* **215**: 149–156.
- These, A., D. Bodí, S. Uecker, K. Reimers, S. Ronczka, A. Preiss-Weigert, M. Lahrssen-Wiederholt.** 2015. A case of human poisoning by grayanotoxins following honey ingestion: elucidation of the toxin profile by mass spectrometry. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess* **32**: 10, 1674–1684.
- Thiel, C., S. Schneckener, M. Krauss, A. Ghallab, U. Hofmann, T. Kanacher, S. Zellmer, R. Gebhardt, J.G. Hengstler, L. Kuepfer.** 2015. A systematic evaluation of the use of physiologically based pharmacokinetic modeling for cross species extrapolation. *J Pharm Sci* **104**: 1, 191–206.
- Thomas, M., C. Bayha, S. Vetter, U. Hofmann, M. Schwarz, U.M. Zanger, A. Braeuning.** 2015. Activating and Inhibitory Functions of WNT/beta-Catenin in the Induction of Cytochromes P450 by Nuclear Receptors in HepaRG Cells. *Mol Pharmacol* **87**: 6, 1013–1020.
- Tolgyesi, A., J. Stroka, V. Tamosunas, T. Zwickel.** 2015. Simultaneous analysis of Alternaria toxins and citrinin in tomato: an optimised method using liquid chromatography-tandem mass spectrometry. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess* **32**: 9, 1512–1522.
- Tralau, T., A. Luch.** 2015. Moving from rats to cellular omics in regulatory toxicology: Great challenge toward sustainability or „up-shit-creek without a paddle“? *Arch Toxicol* **89**: 6, 819–821.
- Tralau, T., M. Oelgeschläger, R. Görtler, G. Heinemeyer, M. Herzler, T. Höfer, H. Itter, T. Kuhl, N. Lange, N. Lorenz, C. Müller-Graf, U. Pabel, R. Pirow, V. Ritz, H. Schafft, H. Schneider, T. Schulz, D. Schumacher, S. Zellmer, G.-F. Bölk, M. Greiner, M. Lahrssen-Wiederholt, A. Lampen, A. Luch, G. Schönfelder, R. Solecki, R. Wittkowski, A. Hensel.** 2015. Regulatory toxicology in the twenty-first century: Challenges, perspectives and possible solutions. *Arch Toxicol* **89**: 6, 823–850.
- Tralau, T., J. Sowada, A. Luch.** 2015. Insights on the human microbiome and its xenobiotic metabolism: What is known about its effects on human physiology? *Expert Opin Drug Metab Toxicol* **11**: 1, 411–425.
- V**
- Van Rennings, L., C. Von Münchhausen, H. Otilie, M. Hartmann, R. Merle, W. Honscha, A. Käsbohrer, L. Kreienbrock.** 2015. Cross-Sectional Study on Antibiotic Usage in Pigs in Germany. *PLoS One* **10**: 1–28.
- Vermeulen, P., T. Nietner, S.A. Haughey, Z. Yang, N. Tena, H. Chmelarova, S. Van Ruth, A. Tomaniova, A. Boix, L. Han, C.T. Elliott, V. Baeten, C. Faulk-Hassek.** 2015. Origin authentication of distillers' dried grains and solubles (DDGS) – Application and comparison of different analytical strategies. *Anal Bioanal Chem* **407**: 15.
- Villa, L., B. Guerra, S. Schmoger, J. Fischer, R. Helmuth, Z. Zong, A. Garcia-Fernandez, A. Carattoli.** 2015. IncA/C Plasmid Carrying blaNDM-1, blaCMY-16, and fosA3 in a *Salmonella enterica* Serovar Corvallis Strain Isolated from a Migratory Wild Bird in Germany. *Antimicrob Agents Chemother* **59**: 6597–6600.
- Vogl, S., R.W. Lutz, G. Schönfelder, W.K. Lutz.** 2015. CYP2C9 Genotype vs. Metabolic Phenotype for Individual Drug Dosing-A Correlation Analysis Using Flurbiprofen as Probe Drug. *PLoS One* **10**: 3, e0120403.
- T**
- Volz, M.S., V. Moos, K. Allers, E. Luge, A. Mayer-Scholl, K. Nöckler, C. Loddenkemper, A. Jansen, T. Schneider.** 2015. Specific CD4+ T-Cell Reactivity and Cytokine Release in Different Clinical Presentations of Leptospirosis. *Clin Vaccine Immunol* **22**: 1276–1284.
- Von Salviati, C., H. Laube, B. Guerra, U. Roesler, A. Friese.** 2015. Emission of ESBL/AmpC-producing *Escherichia coli* from pig fattening farms to surrounding areas. *Vet Microbiol* **175**: 77–84.
- W**
- Wagener, S., N. Dommershausen, P. Laux, A. Luch.** 2015. Der Beitrag der Holzverbrennung zur Feinstaubkonzentration in Berlin und Brandenburg. *Immissionschutz* **20**: 3, 104–112.
- Waizenegger, J., D. Lenze, C. Luckert, A. Seidel, A. Lampen, S. Hessel.** 2015. Dose-dependent induction of signaling pathways by the flavonoid quercetin in human primary hepatocytes: A transcriptomic study. *Mol Nutr Food Res* **59**: 6, 1117–1129.
- Wiersma, L.C.M., J.H.C.M. Kreijtz, S.E. Vogelzang-Van Trierum, G. Van Amerongen, P. Van Run, M. Ladwig, S. Banneke, H. Schaefer, R.a.M. Fouchier, T. Kuiken, A.D. M. E. Osterhaus, G.F. Rimmelzaan.** 2015. Virus replication kinetics and pathogenesis of infection with H7N9 influenza virus in isogenic guinea pigs upon intratracheal inoculation. *Vaccine* **33**: 49, 6983–6987.
- Wiersma, L.C.M., S.E. Vogelzang-Van Trierum, J.H.C.M. Kreijtz, G. Van Amerongen, P. Van Run, M. Ladwig, S. Banneke, H. Schaefer, R.a.M. Fouchier, T. Kuiken, A.D.M.E. Osterhaus, G.F. Rimmelzaan.** 2015. Heterosubtypic immunity to H7N9 influenza virus in isogenic guinea pigs after infection with pandemic H1N1 virus. *Vaccine* **33**: 49, 6977–6982.
- Wiersma, L.C.M., S.E. Vogelzang-Van Trierum, G. Van Amerongen, P. Van Run, N.J. Nieuwkoop, M. Ladwig, S. Banneke, H. Schaefer, T. Kuiken, R.A. Fouchier, A.D. Osterhaus, G.F. Rimmelzaan.** 2015. Pathogenesis of Infection with 2009 Pandemic H1N1 Influenza Virus in Isogenic Guinea Pigs after Intranasal or Intratracheal Inoculation. *Am J Pathol* **185**: 3, 643–650.
- Wöhrlin, F., H. Fry, M. Lahrssen-Wiederholt, A. Preiß-Weigert.** 2015. Occurrence of Fatty Acid Esters of 3-MCPD, 2-MCPD and Glycidol in Infant Formula. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess* **33**.
- Wölfe, D., K. Pfaff, A. Luch.** 2015. Östrogengehalt in PET-Flaschen. *Internist Prax* **55**: 1, 228–230.
- Wölfe, D., K. Pfaff, A. Luch.** 2015. Östrogengehalt in PET-Flaschen. *Arzneimittel-, Therapie-Kritik & Medizin und Umwelt* **47**: 1, 92–94.
- Z**
- Zagon, J., J. Dittmer, C.F. Elegbede, A. Papadopoulos, A. Braeuning, A. Crepet, A. Lampen.** 2015. Peanut traces in packaged food products consumed by allergic individuals: Results of the MIRABEL project. *J Food Compos Anal* **44**: 196–204.
- Zimmermann, K., A. Eisenblätter, I. Vetter, M. Ebbecke, M. Friedemann, H. Desel.** 2015. Vergiftung durch Tropenfisch: Ciguatera-Epidemie in Deutschland. *Dtsch Med Wochenschr* **140**: 02, 125–130.