

Wissenschaftliche Publikationen in Fachzeitschriften 2023

A

Abou-Dakn, M., U. Alexy, K. Beyer, M. Cremer, R. Ensenauer, M. Flothkötter, R. Geene, C. Hellmers, C. Joisten, B. Koletzko, J. Mata, U. Schiffner, I. Somm, M. Speck, A. Weißenborn and A. Wöckel. 2023.

Ernährung und Bewegung im Kleinkindalter: Aktualisierte Handlungsempfehlungen des bundesweiten Netzwerks Gesund ins Leben. *Monatsschrift Kinderheilkunde* 171(S1): 7-27.
<https://doi.org/10.1007/s00112-022-01519-3>

Abraham, K. 2023. Comment on “Maternal Exposure to Per- and Polyfluoroalkyl Substances (PFAS) and Male Reproductive Function in Young Adulthood: Combined Exposure to Seven PFAS”. *Environmental Health Perspectives* 131(1): 018003.
<https://doi.org/10.1289/EHP12457>

Abraham, K. 2023. Prenatal and Early Postnatal Exposure to Persistent Organic Pollutants (POPs): What Is the Correlation between Dioxins and Long-Chain Per- and Polyfluorinated Alkyl Substances (PFAS)? *Environmental Health Perspectives* 131(10): 107701.
<https://doi.org/10.1289/EHP13313>

Abraham, K., K. Penczynski, B. H. Monien, N. Bergau, S. Knüppel and C. Weikert. 2023. Risks of misinterpretation of biomarker measurements in spot urine adjusted for creatinine – A problem especially for studies comparing plant based with omnivorous diets. *International Journal of Hygiene and Environmental Health* 249: 114142.

<https://doi.org/10.1016/j.ijheh.2023.114142>

Adler, M., S. Al Dahouk, A. Flieger, S. Halbedel, A. Holzer, S. Kleta, R. Lachmann, S. Lüth, K. Nöckler, K. Stark and H. Wilking. 2023. **Listeriose-Ausbrüche in Deutschland – Hinweise auf geräucherte oder gebeizte Lachsprodukte als Ursache von Infektionen: Fortschreibung des Berichts vom Januar 2021.** *Epidemiologisches Bulletin* 2023(12): 3-9.

<https://doi.org/10.25646/11243>

Ahrens, K., M. Röver, G. Molnar, S. Martin, E. Peter, J.-N. Schäckermann, S. Bense and J. K. Wegener. 2023. **Novel field data for exposure of bystanders and residents towards spray drift during application of plant protection products in orchards.** *Journal of Consumer Protection and Food Safety*

<https://doi.org/10.1007/s00003-023-01468-3>

Ahrens, K., M. Röver, E. Peter, G. Molnar, S. Martin and J. K. Wegener. 2023. **Development of a method for measuring exposure of residents and bystanders following high crop application of plant protection products.** *Journal für Kulturpflanzen* 75(05-06): 138-150.
<https://doi.org/10.5073/JfK.2023.05-06.03>

Althof, N., R. Johnne and E. Trojnar. 2023. **Noroviren und Hepatitis A-Viren als Krankheitserreger in Lebensmitteln.** *Der Lebensmittelbrief* (07/08): 28-31.

Althof, N., E. Trojnar and R. Johnne. 2023. **Rotaviruses in Wild Ungulates from Germany, 2019–2022** *Microorganisms* 11(3): 566.
<https://doi.org/10.3390/microorganisms11030566>

Altmann, K., C. Goedecke, C. Bannick, A. Abusafia, C. Scheid, H. Steinmetz, A. Paul, C. Beleites and U. Braun. 2023. **Identification of microplastic pathways within a typical European urban wastewater system.** *Applied Research* 2(5): e202200078.
<https://doi.org/10.1002/appl.202200078>

Amorim, M. J. B., W. Peijnenburg, D. Greco, L. A. Saarimäki, V. I. Dumit, A. Bahl, A. Haase, L. Tran, J. Hackermüller, S. Canzler and J. J. Scott-Fordsmand. 2023. **Systems toxicology to advance human and environmental hazard assessment: A roadmap for advanced materials.** *Nano Today* 48: 101735.
<https://doi.org/10.1016/j.nantod.2022.101735>

Audebert, M., A. Assmann, A. Azqueta, P. Babica, E. Benfenati, S. Bortoli, P. Bouwman, A. Braeuning, T. Burgdorf, X. Coumoul, K. Debizet, M. Dusinska, N. Ertych, J. Fahrner, V. Fetz, L. Le Hégarat, A. López de Cerain, H. J. Heusinkveld, K. Hogeveen, M. N. Jacobs, M. Luijten, G. Raitano, C. Recoules, E. Rundén-Pran, M. Saleh, I. Sovadinová, M. Stampar, L. Thibol, C. Tomkiewicz, A. Vettorazzi, B. Van de Water, N. El Yamani, B. Zegura and M. Oelgeschläger. 2023. **New approach methodologies to facilitate and improve the hazard assessment of non-genotoxic carcinogens – a PARC project.** *Frontiers in Toxicology* 5: 1220998.
<https://doi.org/10.3389/ftox.2023.1220998>

Aybar Espinoza, M. S., C. Flink, N. Boisen, F. Scheutz and A. Käsbohrer. 2023. **Microbiological sampling and analyses in the food business operators’ HACCP-based self-control programmes.** *Frontiers in Food Science and Technology* 3: 1110359.
<https://doi.org/10.3389/frfst.2023.1110359>

B

Babu Rajendran, N., F. Arieti, C. A. Mena-Benítez, L. Galia, M. Tebon, J. Alvarez, B. P. Gladstone, L. Collineau, G. De Angelis, R. Duro, W. Gaze, S. Göpel, S. S. Kanj, A. Käsbohrer, D. Limmathurotsakul, E. Lopez de Abechuco, E. Mazzolini, N. T. Mutters, M. D. Pezzani, E. Presterl, H. Renk, J. Rodríguez-Baño, O. Săndulescu, F. Scali, R. Skov, T. P. Velavan, C. Vuong, E. Tacconelli, A. A. Adegnik, L. Avery, M. Bonten, A. Cassini, C. Chauvin, M. Compri, P. Damborg, S. De Greeff, M. D. Del Toro, M. Filter, A. Franklin, B. Gonzalez-Zorn, K. Grave, D. Hocquet, L. E. Hoelzle, E. Kalanxhi, R. Laxminarayan, L. Leibovici, S. Malhotra-Kumar, M. Mendelson, M. Paul, C. Muñoz Madero, R. Murri, L. J. V. Piddock, C. Ruesen, M. Sanguinetti, T. Schilling, R. Schrijver, M. J. Schwaber, L. Scudeller, D. Torumkuney, T. Van Boeckel, W. Vanderhaeghen, A. Voss and T. Wozniak. 2023. **EPI-Net One Health reporting guideline for antimicrobial consumption and resistance surveillance data: a Delphi approach.** *The Lancet Regional Health - Europe* 26: 100563. <https://doi.org/10.1016/j.lanepe.2022.100563>

Bahl, A., C. Ibrahim, K. Plate, A. Haase, J. Dengjel, P. Nymark and V. I. Dumit. 2023. **PROTEOMAS: a workflow enabling harmonized proteomic meta-analysis and proteomic signature mapping.** *Journal of Cheminformatics* 15: 34. <https://doi.org/10.1186/s13321-023-00710-2>

Bajard, L., O. Adamovsky, K. Audouze, K. Baken, R. Barouki, J. B. Beltman, A. Beronius, E. C. Bonefeld-Jørgensen, G. Cano-Sancho, M. L. de Baat, F. Di Tillio, M. F. Fernández, R. E. FitzGerald, C. Gundacker, A. F. Hernandez, K. Hilscherova, S. Karakitsios, E. Kuchovska, M. Long, M. Luijten, S. Majid, P. Marx-Stölting and et. al. 2023. **Application of AOPs to assist regulatory assessment of chemical risks – Case studies, needs and recommendations.** *Environmental Research* 217: 114650. <https://doi.org/10.1016/j.envres.2022.114650>

Barmaz, S., L. Castle, B. Dusemund, P. Fürst, C. Kyrkou, A. Mech, A. Mortensen, A. M. Rincon, C. Smeraldi, A. Tard, D. Turck, D. Waalkens-Berendsen, D. Wölflle and U. Gundert-Remy. 2023. **Principles of the Assessment of Food Additives Used in Food for Infants and Toddlers.** *Medical Research Archives* 11(8). <https://doi.org/10.18103/mra.v11i8.4127>

Bartsch, J., M. Borowiak, C. Deneke, J. Grützke, J. A. Hammerl, B. Malorny, I. Szabo, T. Alter, K. K. Nguyen and J. Fischer. 2023. **Genetic characterization of a multidrug-resistant *Salmonella enterica* serovar Agona isolated from a dietary supplement in Germany.** *Frontiers in Microbiology* 14: 1284929. <https://doi.org/10.3389/fmicb.2023.1284929>

Begemann, K. and L. Hoffmann. 2023. **Die Einführung eines nationalen Vergiftungsregisters: Ziele, Chancen und Rahmenbedingungen.** *StoffR – Zeitschrift für Stoffrecht* 20(1): 19-24. <https://doi.org/10.21552/stoffr/2023/1/5>

Bennet, F., R. Opitz, N. Ghoreishi, K. Plate, J.-P. Barnes, A. Bellew, A. Belu, G. Ceccone, E. de Vito, A. Delcorte, A. Franquet, F. Fumagalli, D. Gilliland, H. Jungnickel, T. G. Lee, C. Poleunis, D. Rading, H. K. Shon, V. Spampinato, J. G. Son, F. Wang, Y.-C. A. Wang, Y. Zhao, A. Roloff, J. Tentschert and J. Radnik. 2023. **VAMAS TWA2 interlaboratory comparison: Surface analysis of TiO₂ nanoparticles using ToF-SIMS.** *Journal of Vacuum Science & Technology A* 41(5): 053210. <https://doi.org/10.1116/6.0002814>

Berger, N., S. Koch, K. Jungnickel and G.-F. Böhl. 2023. **Food safety in the aging population: Qualitative findings on what to communicate and how.** *Risk Analysis* 43(9): 1843–1854. <https://doi.org/10.1111/risa.14069>

Berrio, J., K. Hohlbaum, J. Wilzopolski and O. Kallioski. 2023. **Intracranial self-stimulation in rat models of chronic unpredictable stress, a Systematic Review and Meta-Analysis.** *PROSPERO*: CRD42023425916. https://www.crd.york.ac.uk/prospero/display_record.php?RecordID=425916

Beterams, A., T. Tolksdorf, A. Martin, K. Stingl, N. Bandick and F. Reich. 2023. **Change of *Campylobacter*, *Escherichia coli* and *Salmonella* counts in packaged broiler breast meat stored under modified atmosphere and vacuum conditions at 4 and 10 °C based on cultural and molecular biological quantification.** *Food Control* 145: 109337. <https://doi.org/10.1016/j.foodcont.2022.109337>

Bharti, K., D. Deepika, M. Kumar, A. Jha, Manjit, Akhilesh, V. Tiwari, V. Kumar and B. Mishra. 2023. **Development and Evaluation of Amorphous Solid Dispersion of Riluzole with PBPK Model to Simulate the Pharmacokinetic Profile.** *AAPS PharmSciTech* 24: 219. <https://doi.org/10.1208/s12249-023-02680-y>

Bichlmaier, I., V. Sihvola, U. Simanainen, H. Kenigswald, N. Andersson, K. Hellsten, H. Huuskonen, A. Irlke, O. Leppäranta, K. Myöhänen, L. Rossi, A. Terron, M. Paparella, K. Crofton, S. Jouan, M. Axelstad, S. Christiansen, M. L. Holmer, U. Hass, M. Kuittinen, E. Rissanen, T. Suutari, E. Tarvainen, K. Angeli, J. Deweidt, O. Kucheryavenko, E. Rosenthal, G. Schöning, A. Trubiroha, W. Prutner, W. Bil, B. Hakkert, J. de Knecht, A. Muller, P. van Kesteren, J. Vriend, M. Woutersen, D. Zijtveld, R. Vandebriel, N. Landvik, O. Myhre, D. M. Eide, B. Granum, B. Lindeman, M. Wojewodzic, T. Hofer, N. Duale, C. Svendsen, A.-K. Olsen, E. Mariussen, M. Andreassen, H. Dirven, P. Basaure García, P. García Hernández and C. Bergkvist. 2023. **Evaluating results from 55 extended one-generation reproductive toxicity studies under REACH: Final report of the EOGRS review project.** European Chemicals Agency 36. <https://doi.org/10.2823/92503>

Bil, W., V. Ehrlich, G. Chen, R. Vandebriel, M. Zeilmaker, M. Luijten, M. Uhl, P. Marx-Stölting, T. I. Halldorsson and B. Bokkers. 2023. **Internal relative potency factors based on immunotoxicity for the risk assessment of mixtures of per- and polyfluoroalkyl substances (PFAS) in human biomonitoring.** *Environmental International* 171: 107727. <https://doi.org/10.1016/j.envint.2022.107727>

Binsker, U., K. Oelgeschläger, B. Neumann, G. Werner, A. Käsbohrer and J. A. Hammerl. 2023. **Genomic Evidence of mcr-1.26 IncX4 Plasmid Transmission between Poultry and Humans.** *Microbiology Spectrum* 11(4): e01015-01023.

<https://doi.org/10.1128/spectrum.01015-23>

Bischoff, C., A. Buschulte and J. Rau. 2023. **Checkliste „Food Defense“ – ein Hilfsmittel für die Schwachstellenanalyse in Lebensmittelbetrieben.** *Journal of Consumer Protection and Food Safety* 18(4): 465–470.

<https://doi.org/10.1007/s00003-023-01431-2>

Blaschke, V., A. Berten, H. Sprenger, J. Zagon and M. Winkel. 2023. **Filling Analytical Gaps in Allergen Detection – Real-Time PCR for the Detection of Commercially Relevant Cephalopods and Gastropods in Food.** *Journal of Agricultural and Food Chemistry* 71(31): 12029-12042.

<https://doi.org/10.1021/acs.jafc.2c08966>

Blaschke, V. M., T. U. Tran, M. Naneh, J. Zagon and M. Winkel. 2023. **An improved duplex real-time PCR method for the systematic detection of commercially relevant crustaceans in food.** *Food Control* 146: 109517.

<https://doi.org/10.1016/j.foodcont.2022.109517>

Bleeker, E. A. J., E. Swart, H. Braakhuis, M. L. Fernández Cruz, S. Friedrichs, I. Gosens, F. Herzberg, K. A. Jensen, F. von der Kammer, J. A. B. Kettelarij, J. M. Navas, K. Rasmussen, K. Schwirn and M. Visser. 2023. **Towards harmonisation of testing of nanomaterials for EU regulatory requirements on chemical safety – A proposal for further actions.** *Regulatory Toxicology and Pharmacology* 139: 105360.

<https://doi.org/10.1016/j.yrtph.2023.105360>

Bloch, D., P. Diel, B. Epe, M. Hellwig, A. Lampen, A. Mally, D. Marko, M. A. Villar Fernández, S. Guth, A. Roth, R. Marchan, A. Ghallab, C. Cadenas, P. Nell, N. Vartak, C. van Thriel, A. Luch, S. Schmeisser, M. Hertler, R. Landsiedel, M. Leist, P. Marx-Stölting, T. Tralau and J. G. Hengstler. 2023. **Basic concepts of mixture toxicity and relevance for risk evaluation and regulation.** *Archives of Toxicology* 97(11): 3005-3017.

<https://doi.org/10.1007/s00204-023-03565-6>

Borowiak, M., A. Kreitlow, B. Malorny, M. Alssahen, C. Lammler, E. Prenger-Berninghoff, C. Ewers, U. Siebert, M. Plotz and A. Abdulmawjood. 2023. **Arcanobacterium pinnipediorum Strain DSM 28752 Isolated from a Harbour Seal: Complete Genome Sequence.** *Microbiology Resource Announcements* 12(1): e01180-01122.

<https://doi.org/10.1128/mra.01180-22>

Bradley, J. A., C. B. Trivedi, M. Winkel, R. Mourot, S. Lutz, C. Larose, C. Keuschnig, E. Doting, L. Halbach, A. Zervas, A. M. Anesio and L. G. Benning. 2023. **Active and dormant microorganisms on glacier surfaces.** *Geobiology* 21(2): 244-261.

<https://doi.org/10.1111/gbi.12535>

Braeuning, A., P. Balaguer, W. Bourguet, J. Carreras-Puigvert, K. Feiertag, J. H. Kamstra, D. Knapen, D. Lichtenstein, P. Marx-Stölting, J. Rietdijk, K. Schubert, O. Spjuth, E. Stinckens, K. Thedieck, R. van den Boom, L. Vergauwen, M. von Bergen, N. Wewer and D. Zalko. 2023. **Development of new approach methods for the identification and characterization of endocrine metabolic disruptors – a PARC project.** *Frontiers in Toxicology* 5: 1212509.

<https://doi.org/10.3389/ftox.2023.1212509>

Brand, F. and A. Schulze. 2023. **Multimodalität und Katastrophenschutz? Optimierungsbedarfe und Möglichkeiten behördlicher Risiko- und Krisenkommunikation: das Forschungsprojekt MIRKKOMM.** *Magazin Bevölkerungsschutz* 2023(2): 20-25.

https://www.bbk.bund.de/SharedDocs/Downloads/DE/Mediathek/Publikationen/BSMAG/bsmag-23-02.pdf?__blob=publicationFile&v=4

Brandão, F., C. Costa, M. J. Bessa, V. Valdiglesias, B. Hellack, A. Haase, S. Fraga and J. P. Teixeira. 2023. **Multiparametric in vitro genotoxicity assessment of different variants of amorphous silica nanomaterials in rat alveolar epithelial cells.** *Nanotoxicology* 17(6-7): 511-528.

<https://doi.org/10.1080/17435390.2023.2265481>

Brandwein, C., C. H. C. Leenaars, L. Becker, N. Pfeiffer, A. Iorgu, M. Hahn, G. A. Vairani, L. Lewejohann, A. Bleich, A. S. Mallien and P. Gass. 2023. **A systematic mapping review of the evolution of the rat Forced Swim Test: Protocols and outcome parameters.** *Pharmacological Research* 196: 106917.

<https://doi.org/10.1016/j.phrs.2023.106917>

Bräuer, J. A., J. A. Hammerl, S. El-Mustapha, J. Fuhrmann, A. Barac and S. Hertwig. 2023. **The Novel *Yersinia enterocolitica* Telomere Phage vB_YenS_P840 Is Closely Related to PY54, but Reveals Some Striking Differences** *Viruses* 15(10): 2019.

<https://doi.org/10.3390/v15102019>

Brembach, T., R. Sabat, K. Witte, T. Schwerdtle and K. Wolk. 2023. **Molecular and functional changes in neutrophilic granulocytes induced by nicotine: a systematic review and critical evaluation.** *Frontiers in Immunology* 14: 1281685.

<https://doi.org/10.3389/fimmu.2023.1281685>

Brosseau, N. E., I. Vallée, A. Mayer-Scholl, M. Ndao and G. Karadjian. 2023. **Aptamer-Based Technologies for Parasite Detection.** *Sensors* 23(2): 562.

<https://doi.org/10.3390/s23020562>

Brožová, Z. R., J. Dušek, N. Palša, J. Maixnerová, R. Kamaraj, L. Smutná, P. Matouš, A. Braeuning, P. Pávek, J. Kuneš, N. Gathergood, M. Špulák, M. Pour and A. Carazo. 2023. **2-Substituted quinazolines: Partial agonistic and antagonistic ligands of the constitutive androstane receptor (CAR).** *European Journal of Medicinal Chemistry* 259: 115631.

<https://doi.org/10.1016/j.ejmech.2023.115631>

Brüngel, R., J. Rückert, P. Müller, F. Babick, C. M. Friedrich, A. Ghanem, V. Hodoroaba, A. Mech, S. Weigel, W. Wohlleben and H. Rauscher. 2023. **NanoDefiner Framework and e-Tool Revisited According to the European Commission's Nanomaterial Definition 2022/C 229/01**. *Nanomaterials* 13(6): 990. <https://doi.org/10.3390/nano13060990>

Burkhardt, W., C. Salzinger, J. Fischer, B. Malorny, M. Fischer and I. Szabo. 2023. **The nematode worm *Caenorhabditis elegans* as an animal experiment replacement for assessing the virulence of different *Salmonella enterica* strains**. *Frontiers in Microbiology* 14: 1188679. <https://doi.org/10.3389/fmicb.2023.1188679>

C

Correia Carreira, G., M. Projahn, N. Langkabel, E. Becker and A. Käsbohrer. 2023. **Modeling of interventions for reducing external *Enterobacteriaceae* contamination of broiler carcasses during processing**. *Risk Analysis* 43(10): 1933-1945. <https://doi.org/10.1111/risa.14079>

D

da Silva, D. A. V., R. Dieckmann, O. Makarewicz, A. Hartung, A. Bethe, M. Grobbel, V. Belik, M. W. Pletz, S. Al Dahouk and S. Neuhaus. 2023. **Biocide Susceptibility and Antimicrobial Resistance of *Escherichia coli* Isolated from Swine Feces, Pork Meat and Humans in Germany**. *Antibiotics* 12(5): 823. <https://doi.org/10.3390/antibiotics12050823>

De Castelbajac, T., K. Aiello, C. Garcia Arenas, T. Svingen, L. Ramhøj, D. Zalko, R. Barouki, T. Vanhaecke, V. Rogiers, M. Audebert, M. Oelgeschlaeger, A. Braeuning, E. Blanc, T. Tal, J. Rüegg, E. Fritsche, P. Marx-Stölting and G. Rivière. 2023. **Innovative tools and methods for toxicity testing within PARC work package 5 on hazard assessment**. *Frontiers in Toxicology* 5: 1216369. <https://doi.org/10.3389/ftox.2023.1216369>

De Jong, W., T. Borges, E. Testai, M. Vighi, J. Bakkers, W. Fiedler, P. Hawkins, A. Köhler, N. Ohnesorge, M. Parker, J. Schroeder, K. Van Oers and L. Vergauwen. 2023. **Revision of Annexes III and IV of Directive 2010/63/EU on the protection of animals used for scientific purposes regarding accommodation parameters and methods of killing for zebrafish, and accommodation parameters for Passerine birds**. https://health.ec.europa.eu/publications/scheer-revision-annexes-iii-and-iv-directive-201063eu-protection-animals-used-scientific-purposes_en

De Sabato, L., G. Ianiro, G. L. Alborali, A. Kroneman, S. S. Grierson, G. L. KrumovaValcheva, R. W. Hakzevan der Honing, R. Johné, I. Kolackova, I. Kozyra, E. Gyurova, E. Pavoni, K. Reisp, E. L. Sassu, K. Schilling-Loeffler, R. P. Smith, P. Vasickova, J. Żmudzki, A. Rzeżutka and I. Di Bartolo. 2023. **Molecular Characterization and Phylogenetic Analysis of Hepatitis E Virus (HEV) Strains from Pigs Farmed in Eight European Countries between 2020 and 2022**. *Transboundary and Emerging Diseases* 2023: 2806835. <https://doi.org/10.1155/2023/2806835>

Delgado, L., C. Garino, F. J. Moreno, J. Zagon and H. Broll. 2023. **Sustainable Food Systems: EU Regulatory Framework and Contribution of Insects to the Farm-To-Fork Strategy**. *Food Reviews International* 39(9): 6955-6976. <https://doi.org/10.1080/87559129.2022.2130354>

Dendler, L., M. Morais, J. Nikolas Hargart, J. S. Lourenço, D. Vrbos, P. Ortega, K. Sfugier Tollik, G. Alaveras, B. Gallani, M. Patel, L. Broomfield and O. Renn. 2023. **Participatory versus analytic approaches for understanding risk perceptions: a comparison of three case studies from the field of biotechnology**. *Journal of Risk Research* 26(8): 866–882. <https://doi.org/10.1080/13669877.2023.2197615>

Dietrich, J., J. A. Hammerl, A. Johné, O. Kappenstein, C. Loeffler, K. Nöckler, B. Rosner, A. Spielmeier, I. Szabo and M. Richter. 2023. **Auswirkungen des Klimawandels auf lebensmittelassoziierte Infektionen und Intoxikationen**. *Journal of Health Monitoring* 8(S3): 85-101. <https://doi.org/10.25646/11393>

Dierkes, J., S. Dietrich, K. Abraham, B. H. Monien, A. McCann, K. Borgå and C. Weikert. 2023. **Stable isotope ratios of nitrogen and carbon as biomarkers of a vegan diet**. *European Journal of Nutrition* 62(1): 433-441. <https://doi.org/10.1007/s00394-022-02992-y>

Dietrich, T., A. Aigner, A. Hildebrandt, J. Weber, M. Meyer Günderoth, K. Hohlbaum, J. Keller, S. Tsitsilonis and T. Maleitzke. 2023. **Nesting behavior is associated with body weight and grip strength loss in mice suffering from experimental arthritis**. *Scientific Reports* 13: 23087. <https://doi.org/10.1038/s41598-023-49720-y>

Dolokov, A., N. Andresen, K. Hohlbaum, C. Thöne-Reineke, L. Lewejohann and O. Hellwich. 2023. **Upper Bound Tracker: A Multi-Animal Tracking Solution for Closed Laboratory Settings** 945-952. <https://dx.doi.org/10.5220/0011609500003417>

Dubovitskaya, O., D. Seinige, A. Valero, F. Reich and C. Kehrenberg. 2023. **Quantitative assessment of *Campylobacter* spp. levels with real-time PCR methods at different stages of the broiler food chain**. *Food Microbiology* 110: 104152. <https://doi.org/10.1016/j.fm.2022.104152>

Dumit, V. I., A. Ammar, M. I. Bakker, M. A. Bañares, C. Bossa, A. Costa, H. Cowie, D. Drobne, T. E. Exner, L. Farcas, S. Friedrichs, I. Furxhi, R. Grafström, A. Haase, M. Himly, N. Jeliaskova, I. Lynch, D. Maier, C. W. Noorlander, H. K. Shin, G. J. A. A. Soler-Illia, B. Suarez-Merino, E. Willighagen and P. Nymark. 2023. **From principles to reality. FAIR implementation in the nanosafety community.** *Nano Today* 51: 101923. <https://doi.org/10.1016/j.nantod.2023.101923>

E

Ehlers, M., L. Uttl, J. Riedl, J. Raeke, I. Westkamp, J. Hajslova, J. Brockmeyer and C. Fauhl-Hassek. 2023. **Instrument comparability of non-targeted UHPLC-HRMS for wine authentication.** *Food Control* 144: 109360. <https://doi.org/10.1016/j.foodcont.2022.109360>

Eisenreich, A., B. H. Monien, M. E. Götz, T. Buhrke, A. Oberemm, K. Schultrich, K. Abraham, A. Braeuning and B. Schäfer. 2023. **3-MCPD as contaminant in processed foods: State of knowledge and remaining challenges.** *Food Chemistry* 403: 134332. <https://doi.org/10.1016/j.foodchem.2022.134332>

Eisenreich, A. and B. Schäfer. 2023. **Natural Compounds in Plant-Based Food** *Foods* 12(4): 857. <https://doi.org/10.3390/foods12040857>

El-Khatib, A. H., J. Lamp and S. Weigel. 2023. **A sensitive LC-MS/MS method for the quantification of the plant toxins hypoglycin A and methylenecyclopropylglycine and their metabolites in cow's milk and urine and application to farm milk samples from Germany.** *Analytical and Bioanalytical Chemistry* 415(10): 1933-1942. <https://doi.org/10.1007/s00216-023-04607-9>

Engel, A. M., A. H. El-Khatib, F. Klevenhusen, M. Weiss, S. Aboling, B. Sachse, B. Schäfer, S. Weigel, R. Pieper and C. Fischer-Tenhagen. 2023. **Detection of Hypoglycin A and MCPPrG Metabolites in the Milk and Urine of Pasture Dairy Cows after Intake of Sycamore Seedlings.** *Journal of Agricultural and Food Chemistry* 71(28): 10751-10760. <https://doi.org/10.1021/acs.jafc.3c01248>

F

Feiertag, K., M. Karaca, B. C. Fischer, T. Heise, D. Bloch, T. Opialla, T. Tralau, C. Kneuer and P. Marx-Stölting. 2023. **Mixture effects of co-formulants and two plant protection products in a liver cell line.** *EXCLI Journal* 22: 221–236. <https://doi.org/10.17179/excli2022-5648>

Ferrari, S., A. Astvaldsson, T. Jernberg, K. Stingl, U. Messelhäuber and H. Skarin. 2023. **Validation of PCR methods for confirmation and species identification of thermotolerant *Campylobacter* as part of EN ISO 10272 – Microbiology of the food chain – Horizontal method for detection and enumeration of *Campylobacter* spp.** *International Journal of Food Microbiology* 388: 110064. <https://doi.org/10.1016/j.ijfoodmicro.2022.110064>

Ferreira, A., D. Silva, C. Almeida, M. E. Rodrigues, S. Silva, J. Castro, D. Mil-Homens, I. García-Meniño, A. Mora, M. Henriques and A. Oliveira. 2023. **Effect of phage vB_EcoM_FJ1 on the reduction of ETEC O9:H9 infection in a neonatal pig cell line.** *Veterinary Research* 54: 26. <https://doi.org/10.1186/s13567-023-01157-x>

Flack, S., W. Straff and B. Walther. 2023. **One Health: Gesundheit von Mensch, Tier und Umwelt.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(6): 591-592. <https://doi.org/10.1007%2Fs00103-023-03712-5>

Fischer-Tenhagen, C., D. Bohm, A. Finnah, S. Arlt, S. Schlesinger, S. Borchardt, F. Sutter, C. M. Tippenhauer, W. Heuwieser and P. L. Venjakob. 2023. **Residue Concentrations of Cloxacillin in Milk after Intramammary Dry Cow Treatment Considering Dry Period Length.** *Animals* 13(16): 2558. <https://doi.org/10.3390/ani13162558>

Flor, M., B. Tenhagen and A. Käsbohrer. 2023. **Auswirkung der Verwendung von standardisierten Werten für Tiergewichte und Tagesdosis bei der Berechnung betrieblicher Therapiehäufigkeiten auf das Benchmarking im Deutschen Antibiotikaminimierungskonzept.** *Berliner und Münchener Tierärztliche Wochenschrift* 136: 1-9. <https://doi.org/10.2376/1439-0299-2023-4>

Foerster, M., L. Dufour, W. Bäuml, I. Schreiber, M. Goldberg, M. Zins, K. Ezzedine and J. Schüz. 2023. **Development and Validation of the Epidemiological Tattoo Assessment Tool to Assess Ink Exposure and Related Factors in Tattooed Populations for Medical Research: Cross-sectional Validation Study.** *JMIR Formative Research* 7: e42158. <https://doi.org/10.2196/42158>

Forth, L., M. Borowiak, K. Stingl, M. Projahn, C. Deneke and B. Malorny. 2023. **„Ringversuch 2022: Gesamtgenomsequenzierung von *Campylobacter* spp. und *Escherichia coli*“: Arbeitsgruppe § 64 LFGB „NGS-Bakteriencharakterisierung“.** *Ämtliche Sammlung von Untersuchungsverfahren*: 1-35. https://www.bvl.bund.de/SharedDocs/Downloads/07_Untersuchungen/Report_Wetlab_Ringversuch_2022.pdf?__blob=publicationFile&v=6

Forth, L. F., E. Brinks, G. Denay, A. Fawzy, S. Fiedler, J. Fuchs, A. Geuthner, T. Hankeln, E. Hiller, L. Murr, H. Petersen, R. Reiting, C. Schäfers, C. Schwab, K. Szabo, A. Thürmer, A. Wöhlke, J. Fischer, S. Lüth, M. Projahn, K. Stingl, M. Borowiak, C. Deneke, B. Malorny and L. Uelze. 2023. **Impact of wet-lab protocols on quality of whole-genome short-read sequences from foodborne microbial pathogens.** *Frontiers in Microbiology* 14: 1253362. <https://doi.org/10.3389/fmicb.2023.1253362>

Freddi, L., J. A. de la Garza-Garcia, S. Al Dahouk, A. Occhialini and S. Kohler. 2023. **Brucella spp. are facultative anaerobic bacteria under denitrifying conditions.** *Microbiology Spectrum* 11(6): e0276723. <https://doi.org/10.1128/spectrum.0276723>

Fritsche, K., A. Ziková-Kloas, P. Marx-Stöltling and A. Braeuning. 2023. **Metabolism-Disrupting Chemicals Affecting the Liver: Screening, Testing, and Molecular Pathway Identification.** *International Journal of Molecular Sciences* 24(3): 2686. <https://doi.org/10.3390/ijms24032686>

G

Galipó, E., V. Zoche-Golob, E. L. Sassu, C. Prigge, M. Sjölund, T. Tobias, A. Rzeżutka, R. P. Smith and E. Burow. 2023. **Prioritization of pig farm biosecurity for control of Salmonella and hepatitis E virus infections: results of a European expert opinion elicitation.** *Porcine Health Management* 9: 8. <https://doi.org/10.1186/s40813-023-00306-0>

Galli, C. L., U. Bernauer, L. Bodin, Q. Chaudhry, P. J. Coenraads, M. Dusinska, J. Ezendam, E. Gaffet, B. Granum, E. Panteri, V. Rogiers, C. Rousselle, M. Stepnik, T. Vanhaecke, S. Wijnhoven, A. Koutsodimou, W. Uter and N. von Goetz. 2023. **SCCS scientific opinion on HAA299 (nano) - SCCS/1634/21.** *Regulatory Toxicology and Pharmacology* 139: 105365. <https://doi.org/10.1016/j.yrtph.2023.105365>

Galli, C. L., U. Bernauer, L. Bodin, Q. Chaudhry, P. J. Coenraads, M. Dusinska, J. Ezendam, B. Granum, E. Gaffet, E. Panteri, V. Rogiers, C. Rousselle, M. Stepnik, T. Vanhaecke, S. Wijnhoven, A. Koutsodimou, W. Uter and N. von Goetz. 2023. **SCCS Scientific Opinion on Acid Yellow 3 (submission II) – SCCS/1631/21.** *Regulatory Toxicology and Pharmacology* 140: 105364. <https://doi.org/10.1016/j.yrtph.2023.105364>

Gant, T. W., S. S. Auerbach, M. von Bergen, M. Bouhifd, P. A. Botham, F. Caiment, R. A. Currie, J. Harrill, K. Johnson, D. Li, D. Rouquie, B. van Ravenzwaay, F. Sistare, T. Tralau, M. R. Viant, J. W. van de Laan and C. Yauk. 2023. **Applying genomics in regulatory toxicology: a report of the ECETOC workshop on omics threshold on non-adversity.** *Archives of Toxicology* 97(8): 2291-2302. <https://doi.org/10.1007/s00204-023-03522-3>

Garrido Gamarro, E., C. S. Svanevik, A. Lundebye, M. Sanden, E. D'Agostino, M. Kjelleevold, L. Pincus and J. Pucher. 2023. **Challenges in the implementation of food safety and quality assurance systems in small-scale fisheries.** *Food Quality and Safety* 7: fyad007. <https://doi.org/10.1093/fqsafe/fyad007>

Geppert, J., J. Lietzow, S. Hessel-Pras, F. Kirsch, B. Schäfer and B. Sachse. 2023. **Usage and health perception of cannabidiol-containing products among the population in Germany: a descriptive study conducted in 2020 and 2021.** *BMC Public Health* 23: 2318. <https://doi.org/10.1186/s12889-023-17142-0>

Gerhardt, P., S. Begall, C. Frädriech, K. Renko, T. B. Hildebrandt, S. Holtze, A. Heinrich, A. Sahn, X. Meci, J. Köhrle, E. Rijntjes and Y. Henning. 2023. **Comparative analysis of thyroid hormone systems in rodents with subterranean lifestyle.** *Scientific Reports* 13: 3122. <https://doi.org/10.1038/s41598-023-30179-w>

Gloe, D., H. Mielke, C. Müller-Graf and C. Sieke. 2023. **Proportionality principle revisited – relationship between application rates and pesticide residue concentrations in food commodities.** *Pest Management Science* 79(7): 2372-2379. <https://doi.org/10.1002/ps.7414>

Göhler, A., M. Projahn and E. Schuh. 2023. **Shigatoxinbildende Escherichia coli in Mehl und Teig.** *Der Lebensmittelkontrolleur* 2: 4-7.

Golz, J. C., S. Preuß, C. Püning, G. Gölz and K. Stingl. 2023. **Cj0683 Is a Competence Protein Essential for Efficient Initialization of DNA Uptake in Campylobacter jejuni.** *Biomolecules* 13(3): 514. <https://doi.org/10.3390/biom13030514>

Götz, M. E., A. Eisenreich, J. Frenzel, B. Sachse and B. Schäfer. 2023. **Occurrence of Alkenylbenzenes in Plants: Flavours and Possibly Toxic Plant Metabolites.** *Plants* 12(11): 2075. <https://doi.org/10.3390/plants12112075>

Govarts, E., L. Gilles, L. Rodriguez Martin, T. Santonen, P. Apel, P. Alvito, E. Anastasi, H. Raun Andersen, A.-M. Andersson, L. Andryskova, J.-P. Antignac, B. Appenzeller, F. Barbone, Z. Barnett-Itzhaki, R. Barouki, T. Berman, W. Bil, T. Borges, J. Buekers, A. Cañas-Portilla, A. Covaci, Z. Csako, E. Den Hond, D. Dvorakova, L. Fabelova, T. Fletcher, H. Frederiksen, C. Gabriel, C. Ganzleben, T. Göen, T. I. Halldorsson, L. S. Haug, M. Horvat, P. Huuskonen, M. Imboden, M. Jagodic Hudobivnik, B. Janasik, N. Janev Holcer, S. Karakitsios, A. Katsonouri, J. Klanova, V. Kokaraki, T. Kold Jensen, J. Koponen, M. Laeremans, F. Laguzzi, R. Lange, N. Lemke, S. Lignell, A. K. Lindroos, J. Lobo Vicente, M. Luijten, K. C. Makris, D. Mazej, L. Melymuk, M. Meslin, H. Mol, P. Montazeri, A. Murawski, S. Namorado, L. Niemander and et. al. 2023. **Harmonized human biomonitoring in European children, teenagers and adults: EU-wide exposure data of 11 chemical substance groups from the HBM4EU Aligned Studies (2014–2021).** *International Journal of Hygiene and Environmental Health* 249: 114119. <https://doi.org/10.1016/j.ijheh.2023.114119>

Granum, B., U. Bernauer, L. Bodin, Q. Chaudhry, P. J. Coenraads, M. Dusinska, J. Ezendam, E. Gaffet, C. L. Galli, E. Panteri, V. Rogiers, C. Rousselle, M. Stepnik, T. Vanhaecke, S. Wijnhoven, A. Koutsodimou, W. Uter and N. von Goetz. 2023. **SCCS scientific opinion on Butylated hydroxytoluene (BHT) - SCCS/1636/21**. *Regulatory Toxicology and Pharmacology* 138: 105312. <https://doi.org/10.1016/j.yrtph.2022.105312>

Gremmel, N., O. Keuling, M. Eiden, M. H. Groschup, R. Johné, P. Becher and C. Baechlein. 2023. **Hepatitis E virus neutralization by porcine serum antibodies**. *Journal of Clinical Microbiology* 61(11): e0037323. <https://doi.org/10.1128/jcm.00373-23>

Gvaladze, T., H. Lehnerr, J. Große-Kleimann and S. Hertwig. 2023. **A Bacteriophage Cocktail Reduces Five Relevant *Salmonella* Serotypes at Low Multiplicities of Infection and Low Temperatures**. *Microorganisms* 11(9): 2298. <https://doi.org/10.3390/microorganisms11092298>

H

Haas, M., G. Ackermann, J.-H. Küpper, H. Glatt, D. Schrenk and J. Fahrner. 2023. **OCT1-dependent uptake of structurally diverse pyrrolizidine alkaloids in human liver cells is crucial for their genotoxic and cytotoxic effects**. *Archives of Toxicology* 97(12): 3259-3271. <https://doi.org/10.1007/s00204-023-03591-4>

Haase, A., M. Sen, C. Gremse, A. Mader, B. Korkmaz, H. Jungnickel, T. B. Hildebrandt, G. Fritsch, J. Numata, J.-L. Moenning, J. Steinhoff-Wagner, M. Lahrssen-Wiederholt and R. Pieper. 2023. **Analysis of number, size and spatial distribution of rifle bullet-derived lead fragments in hunted roe deer using computed tomography**. *Discover Food* 3: 11. <https://doi.org/10.1007/s44187-023-00052-w>

Hachenberger, Y. U., D. Rosenkranz, C. Kromer, B. C. Krause, N. Dreijack, F. L. Kriegel, E. Koz'menko, H. Jungnickel, J. Tentschert, F. S. Bierkandt, P. Laux, U. Panne and A. Luch. 2023. **Nanomaterial Characterization in Complex Media – Guidance and Application** *Nanomaterials* 13(5): 922. <https://doi.org/10.3390/nano13050922>

Hackethal, C., F. Kirsch, K. Schwerbel, A. E. Kolbaum, S. Gotte, T. Schwerdtle, O. Lindtner and I. Sarvan. 2023. **Filling data gaps to refine exposure assessments by consideration of specific consumer behavior**. *Deutsche Lebensmittel-Rundschau* 119(7): 277-288.

Hackethal, C., U. Pabel, C. Jung, T. Schwerdtle and O. Lindtner. 2023. **Chronic dietary exposure to total arsenic, inorganic arsenic and water-soluble organic arsenic species based on results of the first German total diet study**. *Science of The Total Environment* 859(Part 1): 160261. <https://doi.org/10.1016/j.scitotenv.2022.160261>

Hackler, J., K. Demircan, T. S. Chillon, Q. Sun, N. Geisler, M. Schupp, K. Renko and L. Schomburg. 2023. **High throughput drug screening identifies resveratrol as suppressor of hepatic SELENOP expression**. *Redox Biology* 59: 102592. <https://doi.org/10.1016/j.redox.2022.102592>

Hadziabdic, S., D. Haase, A. Barac, S. Hertwig and A. Buschulte. 2023. **Detection of pathogenic *Yersinia enterocolitica* strains in pre-packed fresh pork minced meat – preliminary data** *Meat Technology* 64(2): 89-92. <https://doi.org/10.18485/meattech.2023.64.2.15>

Haerlingen, B., R. Opitz, I. Vandernoot, A. Molinaro, M. P. Shankar, P. Gillotay, A. Trubiroha and S. Costagliola. 2023. **Mesodermal FGF and BMP govern the sequential stages of zebrafish thyroid specification**. *Development* 150(10): dev201023. <https://doi.org/10.1242/dev.201023>

Haidar, R., R. Shabo, M. Moeser, A. Luch and J. Kugler. 2023. **The nuclear entry of the aryl hydrocarbon receptor (AHR) relies on the first nuclear localization signal and can be negatively regulated through IMP α / β specific inhibitors**. *Scientific Reports* 13: 19668. <https://doi.org/10.1038/s41598-023-47066-z>

Halbedel, S., I. Sperle, R. Lachmann, S. Kleta, M. A. Fischer, S. Wamp, A. Holzer, S. Lüth, L. Murr, C. Freitag, L. Espenhain, R. Stephan, A. Pietzka, S. Schjørring, G. Bloemberg, M. Wenning, S. Al Dahouk, H. Wilking and A. Flieger. 2023. **Large Multicountry Outbreak of Invasive Listeriosis by a *Listeria monocytogenes* ST394 Clone Linked to Smoked Rainbow Trout, 2020 to 2021**. *Microbiology Spectrum* 11(3): e0352022. <https://doi.org/10.1128/spectrum.03520-22>

Hansen, S., M. L. Menandro, G. Franzo, L. Krabben, S. F. Marino, B. Kaufer and J. Denner. 2023. **Presence of porcine cytomegalovirus, a porcine roseolovirus, in wild boars in Italy and Germany**. *Archives of Virology* 168: 55. <https://doi.org/10.1007/s00705-022-05690-6>

Heuel, M., M. Kreuzer, I. D. M. Gangnat, E. Frossard, C. Zurbrügg, J. Egger, B. Dortmans, M. Gold, A. Mathys, J. Jaster-Keller, S. Weigel, C. Sandrock and M. Terranova. 2023. **Low transfer of cadmium, lead and aflatoxin B1 to eggs and meat of laying hens receiving diets with black soldier fly larvae reared on contaminated substrates**. *Animal Feed Science and Technology* 304: 115733. <https://doi.org/10.1016/j.anifeedsci.2023.115733>

Hobbiesiefken, U., B. Urmersbach, A. Jaap, K. Diederich and L. Lewejohann. 2023. **Rating enrichment items by female group-housed laboratory mice in multiple binary choice tests using an RFID-based tracking system**. *PLoS One* 18(1): e0278709. <https://doi.org/10.1371/journal.pone.0278709>

Hobeika, A., M. H. T. Stauffer, T. Dub, W. van Bortel, M. Beniston, S. Bukachi, G. L. Burci, L. Crump, W. Markotter, L. P. Sepe, E. Placella, B. Roche, O. Thiongane, Z. Wang, F. Guerin and E. van Kleef. 2023. **The values and risks of an Intergovernmental Panel for One Health to strengthen pandemic prevention, preparedness, and response.** *Lancet Global Health* 11(8): E1301-E1307. [https://doi.org/10.1016/S2214-109X\(23\)00246-2](https://doi.org/10.1016/S2214-109X(23)00246-2)

Hoffmann, L., A. Käsbohrer and T. Marschik. 2023. **Notimpfung als zusätzliche Maßnahme zur Bekämpfung eines potenziellen Ausbruchs der Maul- und Klauenseuche in den Ländern der Europäischen Union.** *Berliner und Münchener Tierärztliche Wochenschrift* 136: 1-9. <https://doi.org/10.2376/1439-0299-2023-6>

Holzer, A.-K., N. Dreser, G. Pallocca, A. Mangerich, G. Stacey, M. Dipalo, B. van de Water, C. Rovida, P. H. Wirtz, B. van Vugt, G. Panzarella, T. Hartung, A. Terron, I. Mangas, M. Herzler, P. Marx-Stölting, S. Coecke and M. Leist. 2023. **Acceptance criteria for new approach methods in toxicology and human health-relevant life science research – part I.** *ALTEX* 40(4): 706-712. <https://doi.org/10.14573/altex.2310021>

Höper, T., I. Karkossa, V. I. Dumit, M. von Bergen, K. Schubert and A. Haase. 2023. **A comparative proteomics analysis of four contact allergens in THP-1 cells shows distinct alterations in key metabolic pathways.** *Toxicology and Applied Pharmacology* 475: 116650. <https://doi.org/10.1016/j.taap.2023.116650>

I

Ianiro, G., E. Pavoni, G. Aprea, R. Romantini, G. L. Alborali, D. D'Angelantonio, G. Garofolo, S. Scattolini, L. De Sabato, C. F. Magistrali, E. Burow, F. Ostanello, R. P. Smith and I. Di Bartolo. 2023. **Cross-sectional study of hepatitis E virus (HEV) circulation in Italian pig farms.** *Frontiers in Veterinary Science* 10: 1136225. <https://doi.org/10.3389/fvets.2023.1136225>

J

Jaster-Keller, J., M. E. H. Müller, A. H. El-Khatib, N. Lorenz, A. Bahlmann, U. Mülrow-Stollin, M. Bunzel, S. Scheibenzuber, M. Rychlik, G. von der Waydbrink and S. Weigel. 2023. **Root uptake and metabolization of Alternaria toxins by winter wheat plants using a hydroponic system.** *Mycotoxin Research* 39(2): 109-126. <https://doi.org/10.1007/s12550-023-00477-3>

Jaudou, S., C. Deneke, M.-L. Tran, C. Salzinger, F. Vorimore, A. Goehler, E. Schuh, B. Malorny, P. Fach, J. Grützke and S. Delannoy. 2023. **Exploring Long-Read Metagenomics for Full Characterization of Shiga Toxin-Producing *Escherichia coli* in Presence of Commensal *E. coli*** *Microorganisms* 11(8): 2043. <https://doi.org/10.3390/microorganisms11082043>

Johne, R. 2023. **Ist das Ratten-Hepatitis E-Virus die neue Gefahr?** *HepNet Journal* 17(1): 36-37.

Johne, R., S. H. Tausch, K. Schilling-Loeffler and R. G. Ulrich. 2023. **Genome sequence analysis of a novel rotavirus strain indicates a broad genetic diversity of rotavirus A in shrews.** *Infection, Genetics and Evolution* 107: 105392. <https://doi.org/10.1016/j.meegid.2022.105392>

Johne, R., S. H. Tausch, R. G. Ulrich and K. Schilling-Loeffler. 2023. **Genome analysis of the novel putative rotavirus species K.** *Virus Research* 334: 199171. <https://doi.org/10.1016/j.virusres.2023.199171>

K

Kahnau, P., A. Jaap, K. Diederich, L. Gyax, J. Rudeck and L. Lewejohann. 2023. **Determining the value of preferred goods based on consumer demand in a home-cage based test for mice.** *Behavior Research Methods* 55(2): 751-766. <https://doi.org/10.3758/s13428-022-01813-8>

Kahnau, P., A. Jaap, B. Urmersbach, K. Diederich and L. Lewejohann. 2023. **Development of an IntelliCage-based cognitive bias test for mice.** *Open Research Europe* 2: 128. <https://doi.org/10.12688/openreseurope.15294.2>

Kahnau, P., P. Mieske, J. Wilzopolski, O. Kalliokoski, S. Mandillo, Hölter, Sabine M., V. Voikar, A. Amfim, S. Badurek, A. Bartelik, A. Caruso, M. Čater, E. Ey, E. Golini, A. Jaap, D. Hrncic, A. Kiryk, B. Lang, N. Loncarevic-Vasiljkovic, H. Meziane, A. Radzevičienė, M. Rivalan, M. L. Scattoni, N. Torquet, J. Trifkovic, B. Ulfhake, C. Thöne-Reineke, K. Diederich, L. Lewejohann and K. Hohlbaum. 2023. **A systematic review of the development and application of home cage monitoring in laboratory mice and rats.** *BMC Biology* 21: 256. <https://doi.org/10.1186/s12915-023-01751-7>

Kamory, E. 2023. **Spuren auf der Spur.** *Gefährliche Ladung* 2023(6): 12-15.

Karaca, M., K. Fritsche, D. Lichtenstein, Ö. Vural, K. Kreuzer, J. Alarcán, A. Braeuning, P. Marx-Stölting and T. Tralau. 2023. **Adverse outcome pathway-based analysis of liver steatosis *in vitro* using human liver cell lines.** *STAR Protocols* 4(3): 102500. <https://doi.org/10.1016/j.xpro.2023.102500>

Karaca, M., C. T. Willenbockel, T. Tralau, D. Bloch and P. Marx-Stölting. 2023. **Toxicokinetic and toxicodynamic mixture effects of plant protection products: A case study.** *Regulatory Toxicology and Pharmacology* 141: 105400. <https://doi.org/10.1016/j.yrtph.2023.105400>

Karpale, M., O. Kumm, O. Kärkkäinen, M. Lehtonen, J. Näpänkangas, U. M. Herfurth, A. Braeuning, J. Rysä and J. Hakkola. 2023. **Pregnane X receptor activation remodels glucose metabolism to promote NAFLD development in obese mice.** *Molecular Metabolism* 76: 101779. <https://doi.org/10.1016/j.molmet.2023.101779>

- Keshava, C., S. Nicolai, S. V. Vulimiri, F. A. Cruz, N. Ghoreishi, S. Knüppel, A. Lenzner, P. Tarnow, J. T. Vanselow, B. Schulz, A. Persad, N. Baker, K. A. Thayer, A. J. Williams and R. Pirow. 2023. **Application of systematic evidence mapping to identify available data on the potential human health hazards of selected market-relevant azo dyes.** *Environment International* 176: 107952. <https://doi.org/10.1016/j.envint.2023.107952>
- Kipkoech, C. 2023. **Beyond Proteins – Edible Insects as a Source of Dietary Fiber** *Polysaccharides* 4(2): 116-128. <https://doi.org/10.3390/polysaccharides4020009>
- Kipkoech, C., J. Jaster-Keller, C. Gottschalk, J. M. Wesonga and R. Maul. 2023. **African traditional use of edible insects and challenges towards the future trends of food and feed.** *Journal of Insects as Food and Feed* 9(8): 965-988. <https://doi.org/10.3920/JIFF2022.0076>
- Knipper, A., S. Göhlich, K. Stingl, N. Ghoreishi, C. Fischer-Tenhagen, N. Bandick, B. Tenhagen and T. Crease. 2023. **Longitudinal Study for the Detection and Quantification of *Campylobacter* spp. in Dairy Cows during Milking and in the Dairy Farm Environment** *Foods* 12(8): 1639. <https://doi.org/10.3390/foods12081639>
- Knipper, A., C. Plaza-Rodríguez, M. Filter, I. F. Wulsten, K. Stingl and T. Crease. 2023. **Modeling the survival of *Campylobacter jejuni* in raw milk considering the viable but nonculturable cells (VBNC).** *Journal of Food Safety* 43(6): e13077. <https://doi.org/10.1111/jfs.13077>
- Knipper, A.-D., T. Crease, T. Günther, M. Filter and M. Nauta. 2023. **Quantitative microbiological risk assessment model for *Campylobacter* in raw milk of dairy cows in Germany.** *Microbial Risk Analysis* 25: 100274. <https://doi.org/10.1016/j.mran.2023.100274>
- Knoop, K., K. Knappstein, F. Kaltner, A. M. Gabler, J. Taenzer, A. These, S. Kersten, U. Meyer, J. Frahm, J. Kluess, L. Hüther, C. Gottschalk, K. E. Bach Knudsen, J. Saltzmann and S. Dänicke. 2023. **Short-term exposure of dairy cows to pyrrolizidine alkaloids from tansy ragwort (*Jacobaea vulgaris* Gaertn.): effects on health and performance.** *Archives of Animal Nutrition* 77(5): 363-384. <https://doi.org/10.1080/1745039X.2023.2261806>
- Koch, F., J. Kowalczyk, H. Mielke, H. Schenkel, R. Schmidt, A. Roloff, M. Bachmann, A. Zeyner and R. Pieper. 2023. **Peat and disinfectant powder used in swine husbandry systems – quantification of oral intake using toxic metals as potential markers.** *Archives of Animal Nutrition* 77(2): 93-109. <https://doi.org/10.1080/1745039X.2023.2175537>
- Koch, F., R. Pieper and C. Fischer-Tenhagen. 2023. **Messung der Körpertemperatur beim Schwein: Können Infrarotthermometer eine Alternative sein?** *Tierärztliche Praxis: Ausgabe Großtiere/ Nutztiere* 51(02): 84-92. <https://doi.org/10.1055/a-2046-5061>
- Kochs, S., S. Schiewe, Y. Zang, R. Schmidt, U. Blume-Peytavi, A. Roloff, A. Luch and I. Schreiber. 2023. **4-Aminobenzoic acid, 2-phenoxyethanol and iodine used as tracers in a short-term in vivo-kinetics study for tattoo ink ingredients: Mass spectrometry method development and validation.** *Journal of Chromatography B* 1229: 123891. <https://doi.org/10.1016/j.jchromb.2023.123891>
- Kolbaum, A. E., S. Ptok, C. Jung, L. Libuda and O. Lindtner. 2023. **Reusability of Germany's total diet study food list upon availability of new food consumption data – comparison of three update strategies.** *Journal of Exposure Science & Environmental Epidemiology* 33: 794-804. <https://doi.org/10.1038/s41370-023-00522-4>
- Kolbaum, A. E., I. Sarvan, N. Bakhiya, M. Spolders, R. Pieper, J. Schubert, C. Jung, C. Hackethal, C. Sieke, K.-H. Grünwald and O. Lindtner. 2023. **Long-term dietary exposure to copper in the population in Germany – Results from the BfR MEAL study.** *Food and Chemical Toxicology* 176: 113759. <https://doi.org/10.1016/j.fct.2023.113759>
- Körper, N. 2023. **MIA is an open-source standalone deep learning application for microscopic image analysis.** *Cell Reports Methods* 3(7): 100517. <https://doi.org/10.1016/j.crmeth.2023.100517>
- Korkmaz, B., R. H. Mateus-Vargas, D. Maaz, F. Reich, N. Bandick, M. Lahrssen-Wiederholt and J. Steinhoff-Wagner. 2023. **Microbiological investigation on the effect of rinsing of intentionally soiled roe deer carcasses.** *Journal of Consumer Protection and Food Safety* 18(2): 199-204. <https://doi.org/10.1007/s00003-023-01417-0>
- Krause, T., J. Moenning, J. Lamp, R. Maul, H. Schenkel, P. Fürst, R. Pieper and J. Numata. 2023. **Transfer of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) and polychlorinated biphenyls (PCBs) from oral exposure into cow's milk – Part I: state of knowledge and uncertainties.** *Nutrition Research Reviews* 36(2): 448-470. <https://doi.org/10.1017/S0954422422000178>
- Krause, T., J. Lamp, K. Knappstein, H.-G. Walte, J.-L. Moenning, J. Molquentin, F. Ober, A. Susenbeth, E. Westreicher-Kristen, K.-H. Schwind, S. Dänicke, P. Fürst, H. Schenkel, R. Pieper and J. Numata. 2023. **Experimental Study on the Transfer of Polychlorinated Biphenyls (PCBs) and Polychlorinated Dibenzo-p-dioxins and Dibenzofurans (PCDD/Fs) into Milk of High-Yielding Cows during Negative and Positive Energy Balance.** *Journal of Agricultural and Food Chemistry* 71(36): 13495-13507. <https://doi.org/10.1021/acs.jafc.3c02776>
- Kromer, C., K. Schwibbert, S. Radunz, D. Thiele, P. Laux, A. Luch and H. R. Tschiche. 2023. **ROS generating BODIPY loaded nanoparticles for photodynamic eradication of biofilms.** *Frontiers in Microbiology* 14: 1274715. <https://doi.org/10.3389/fmicb.2023.1274715>

Krumova-Valcheva, G. L., I. Di Bartolo, R. P. Smith, E. Gyurova, G. Mateva, M. Milanov, A. Dimitrova, E. Burow and H. Daskalov. 2023. **Detection of HEV RNA Using One-Step Real-Time RT-PCR in Farrow-to-Finish Pig Farms in Bulgaria.** *Pathogens* 12(5): 673. <https://doi.org/10.3390/pathogens12050673>

Kühne, B. A., L. Gutierrez-Vázquez, E. Sánchez Lamelas, L. Guardia-Escote, L. Pla, C. Loreiro, E. Gratacós, M. Barenys and M. Illa. 2023. **Lactoferrin/sialic acid prevents adverse effects of intrauterine growth restriction on neurite length: investigations in an in vitro rabbit neurosphere model.** *Frontiers in Cellular Neuroscience* 17: 1116405. <https://doi.org/10.3389/fncel.2023.1116405>

Kuklya, A., K. Michna, S. Lehmann, O. Kappenstein, I. Sarvan, B. Poelke, A. Luch, A. Roloff and T. Bruhn. 2023. **A Multi-Technique Approach for the Quantification of 60 Plasticizers Using GC-and LC-MS/MS and its Application for Beverages in the MEAL Study.** *Lebensmittelchemie* 77(S3): S3-047-S043-047. <https://doi.org/10.1002/lemi.202359041>

Kumar, S., D. Deepika, L. T. Slater and V. Kumar. 2023. **AOPWIKI-EXPLORER: An Interactive Graph-based Query Engine leveraging Large Language Models.** *bioRxiv preprint*. <https://doi.org/10.1101/2023.11.21.568076>

Kurz, B., I. Schreiber, K. Siewert, B. Haslboeck, K. T. Weiss, J. Hannemann, B. Berner, M. I. von Eichborn, M. Berneburg and W. Baeumler. 2023. **Investigation of Adverse Reactions in Tattooed Skin through Histological and Chemical Analysis.** *Dermatology* 239(5): 782-793. <https://doi.org/10.1159/000530949>

L

Lang, B., P. Kahnau, K. Hohlbaum, P. Mieske, N. P. Andresen, M. N. Boon, C. Thöne-Reineke, L. Lewejohann and K. Diederich. 2023. **Challenges and advanced concepts for the assessment of learning and memory function in mice.** *Frontiers in Behavioral Neuroscience* 17: 1230082. <https://doi.org/10.3389/fnbeh.2023.1230082>

Lehmann, A., I. Geburek, A. These, S. Hessel-Pras, J. G. Hengstler, W. Albrecht, H. Mielke, C. Müller-Graf, X. Yang, C. Kloft and C. Hethy. 2023. **PBTK modeling of the pyrrolizidine alkaloid retrorsine to predict liver toxicity in mouse and rat.** *Archives of Toxicology* 97(5): 1319–1333. <https://doi.org/10.1007/s00204-023-03453-z>

Leliwa, S. 2023. **Gesundheitliche Beurteilung von Materialien und Gegenständen für den Lebensmittelkontakt im Rahmen des Lebensmittel- und Futtermittelgesetzbuches: 226. Mitteilung.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(2): 216-217. <https://doi.org/10.1007/s00103-022-03645-5>

Lietzow, J. 2023. **Das allergene Potenzial von Senf als Lebensmittel.** *Umwelt & Gesundheit* 2(34): 1-5. <https://www.allergievereineuropa.de/umweltgesundheit22023/>

Linde, J., I. Szabo, S. H. Tausch, C. Deneke and U. Methner. 2023. **Clonal relation between *Salmonella enterica* subspecies *enterica* serovar Dublin strains of bovine and food origin in Germany.** *Frontiers in Veterinary Science* 10: 1081611. <https://doi.org/10.3389/fvets.2023.1081611>

Loeffler, C. R., A. Spielmeier, V. Blaschke, D. Bodi and O. Kappenstein. 2023. **Ciguatera poisoning in Europe: A traceback to Indian Ocean sourced snapper fish (*Lutjanus bohar*).** *Food Control* 151: 109799. <https://doi.org/10.1016/j.foodcont.2023.109799>

Lohmann, M. 2023. **Zwischen Skandal und Überlast.** *qualitas* (1): 15-19. <https://www.q-s.de/qualitas/skandal-und-ueberlast-interview-lohmann-bfr.html>

Lörchner, C., C. Fahl-Hassek, M. A. Glomb, V. Baeten, J. A. Fernández Pierna and S. Esslinger. 2023. **Towards common useable spectra in non-targeted analysis - A feasibility study by mid-infrared spectroscopy, transfer and correction approaches.** *Chemometrics and Intelligent Laboratory Systems* 240: 104904. <https://doi.org/10.1016/j.chemolab.2023.104904>

Lossow, K., W. Schlörmann, M. Tuchtenhagen, M. Schwarz, T. Schwerdtle and A. P. Kipp. 2023. **Measurement of trace elements in murine liver tissue samples: Comparison between ICP-MS/MS and TXRF.** *Journal of Trace Elements in Medicine and Biology* 78: 127167. <https://doi.org/10.1016/j.jtemb.2023.127167>

M

Mader, A., O. Riede, U. Pabel, J. Dietrich, K. Sommerkorn and R. Pieper. 2023. **Das One-Health-Konzept im Kontext globaler Warenketten, Krisen und der Sicherheit von Lebens- und Futtermitteln.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(6): 644-651. <https://doi.org/10.1007/s00103-023-03714-3>

Mallock-Ohnesorg, N., S. Rinaldi, S. Malke, N. Drejack, E. Pieper, P. Laux, T. Schulz, R. Zimmermann and A. Luch. 2023. **Oral nicotine pouches with an aftertaste? Part 1: screening and initial toxicological assessment of flavorings and other ingredients.** *Archives of Toxicology* 97(9): 2357-2369. <https://doi.org/10.1007/s00204-023-03538-9>

Mancardi, G., A. Mikolajczyk, V. K. Annapoorani, A. Bahl, K. Blekos, J. Burk, Y. A. Çetin, K. Chairetakis, S. Dutta, L. Escorihuela, K. Jagiello, A. Singhal, R. van der Pol, M. A. Bañares, N.-V. Buchete, M. Calatayud, V. I. Dumit, D. Gardini, N. Jeliaskova, A. Haase, E. Marcoulaki, B. Martorell, T. Puzyn, G. J. A. Sevink, F. C. Simeone, K. Tämm and E. Chiavazzo. 2023. **A computational view on nanomaterial intrinsic and extrinsic features for nanosafety and sustainability.** *Materials Today* 67: 344-370. <https://doi.org/10.1016/j.mattod.2023.05.029>

Marino, S. F. 2023. **A Novel Circular Rep-Encoding Single-Stranded DNA from Holstein Calves.**

Microbiology Resource Announcements 12(3): e0119222. <https://doi.org/10.1128/mra.01192-22>

Marx-Stölting, P., G. Rivière, M. Luijten, K. Aiello-Holden, N. Bandow, K. Baken, A. Cañas, A. Castano, S. Denys, C. Fillol, M. Herzler, I. Iavicoli, S. Karakitsios, J. Klanova, M. Kolossa-Gehring, A. Koutsodimou, J. Lobo Vicente, I. Lynch, S. Namorado, S. Norager, A. Pittman, S. Rotter, D. Sarigiannis, M. J. Silva, J. Theunis, T. Tralau, M. Uhl, J. van Klaveren, L. Wendt-Rasch, E. Westerholm, C. Rousselle and P. Sanders. 2023. **A walk in the PARC: developing and implementing 21st century chemical risk assessment in Europe.** *Archives of Toxicology* 97(3): 893-908. <https://doi.org/10.1007/s00204-022-03435-7>

Meier, J., V. Theby, L. Gygax, E. Hillman and C. Fischer-Tenhagen. 2023. **Why workshops work: Examining the efficacy of training trainers to train goats.** *Animal Welfare* 32: e76. <https://doi.org/10.1017/awf.2023.94>

Menning, A., J. Borges, R. Augusto, L. Dendler, I. van der Fels-Klerx and M. G. Andersso. 2023. **ENCOMRAN Data Report - Assessing the interaction within EU food and feed risk analysis processes.** <https://doi.org/10.5281/zenodo.10125145>

Mention, M. M., C. Peyrot, B. Godon, J. Alarcan, F. Brunissen, M. Grimaldi, P. Balaguer, A. Braeuning and F. Allais. 2023. **Straightforward sustainable synthesis of novel non-endocrine disruptive bio-based organic UV-B filters with antimicrobial activity.** *Green Chemistry Letters and Reviews* 16(1): 2188125. <https://doi.org/10.1080/17518253.2023.2188125>

Menz, J., M. E. Götz, U. Gündel, R. Gürtler, K. Herrmann, S. Hessel-Pras, C. Kneuer, F. Kolrep, D. Nitzsche, U. Pabel, B. Sachse, S. Schmeisser, D. M. Schumacher, T. Schwerdtle, T. Tralau, S. Zellmer and B. Schäfer. 2023. **Genotoxicity assessment: opportunities, challenges and perspectives for quantitative evaluations of dose-response data.** *Archives of Toxicology* 97(9): 2303-2328. <https://doi.org/10.1007/s00204-023-03553-w>

Mertens, H., B. Noll, T. Schwerdtle, K. Abraham and B. H. Monien. 2023. **Less is more: a methodological assessment of extraction techniques for per- and polyfluoroalkyl substances (PFAS) analysis in mammalian tissues.** *Analytical and Bioanalytical Chemistry* 415(24): 5925-5938. <https://doi.org/10.1007/s00216-023-04867-5>

Michaelis, V., S. Kasper, L. Naperkowski, J. Pusse, A. Thiel, F. Ebert, M. Aschner, T. Schwerdtle, H. Haase and J. Bornhorst. 2023. **The Impact of Zinc on Manganese Bioavailability and Cytotoxicity in HepG2 Cells.** *Molecular Nutrition & Food Research* 67(6): 2200283. <https://doi.org/10.1002/mnfr.202200283>

Mielke, H., K. Abraham, S. Beyvers, K. Blume, G.-F. Böhl, A. Ehlers, M. Flor, R. Gürtler, A. E. Kolbaum, J. Kühn, O. Lindtner, M. Lohmann, S. Merkel, U. Pabel, B. Schäfer, H. Schafft, C. Sieke, S. Stehfest, K. Uhlig, C. Müller-Graf and M. Greiner. 2023. **Webbasierter Kontaminantenrechner in der Risikobewertung – ein hilfreiches Tool?** *Journal of Consumer Protection and Food Safety* 18(3): 349-356. <https://doi.org/10.1007/s00003-023-01440-1>

Mieske, P., J. Scheinpflug, T. A. Yorgan, L. Brylka, R. Palme, U. Hobbiesiefken, J. Preikschat, L. Lewejohann and K. Diederich. 2023. **Effects of more natural housing conditions on the muscular and skeletal characteristics of female C57BL/6J mice.** *Laboratory Animal Research* 39: 9. <https://doi.org/10.1186/s42826-023-00160-9>

Mikkonen, A. T., J. Martin, R. N. Upton, J.-L. Moenning, J. Numata, M. P. Taylor, M. S. Roberts and L. Mackenzie. 2023. **Dynamic exposure and body burden models for per- and polyfluoroalkyl substances (PFAS) enable management of food safety risks in cattle.** *Environment International* 180: 108218. <https://doi.org/10.1016/j.envint.2023.108218>

Moenning, J., B. Ohlhoff, M. Yamamoto, A. Jährmann, A. Jahnke, A. Lüth, R. Pieper and J. Numata. 2023. **Toxicokinetic modelling of the transfer of non-dioxin like polychlorinated biphenyls from feed into edible tissues of pigs.** *Science of The Total Environment* 892: 164539. <https://doi.org/10.1016/j.scitotenv.2023.164539>

Moenning, J.-L., J. Lamp, K. Knappstein, J. Molkentin, A. Susenbeth, K.-H. Schwind, S. Dänicke, P. Fürst, H. Schenkel, R. Pieper, T. Krause and J. Numata. 2023. **Toxicokinetic modeling of the transfer of polychlorinated biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) into milk of high-yielding cows during negative and positive energy balance.** *Computational Toxicology* 28: 100290. <https://doi.org/10.1016/j.comtox.2023.100290>

Moenning, J.-L., J. Numata, D. Bloch, A. Jahnke, H. A. Schafft, M. Spolders, A. Lüth, M. Lahrssen-Wiederholt and K. Schulz. 2023. **Transfer and toxicokinetic modeling of non-dioxin-like polychlorinated biphenyls (ndl-PCBs) into accidentally exposed dairy cattle and their calves – A case report.** *Environmental Toxicology and Pharmacology* 99: 104106. <https://doi.org/10.1016/j.etap.2023.104106>

Moenning, J., T. Krause, J. Lamp, R. Maul, H. Schenkel, P. Fürst, R. Pieper and J. Numata (2023). **Transfer of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) and polychlorinated biphenyls (PCBs) from oral exposure into cow's milk – part II: toxicokinetic predictive models for risk assessment.** *Nutrition Research Reviews* 36(2): 484-497. <https://doi.org/10.1017/S0954422422000208>

Molnar, G., K. Ahrens, J. K. Wegener, M. Röver, E. Peter, S. Martin and S. Dittmar. 2023. **Development of a selective testing method to pesticide aerosols for characterization and comparison of agricultural tractor cabs classified according to EN 15695-1.** *Journal für Kulturpflanzen* 75(05-06): 130-137. <https://doi.org/10.5073/JfK.2023.05-06.02>

Moreno, E., E. A. Middlebrook, P. Altamirano-Silva, S. Al Dahouk, G. F. Araj, V. Arce-Gorvel, A. Arenas-Gamboa, J. Ariza, E. Barquero-Calvo, G. Battelli, W. J. Bertu, J. M. Blasco, M. Bosilkovski, S. Cadmus, C. C. Caswell, J. Celli, C. Chacon-Diaz, E. Chaves-Olarte, D. J. Comerci, R. Conde-Alvarez, E. Cook, S. Cravero, M. Dadar, X. De Boelle, F. De Massis, R. Diaz, G. I. Escobar, L. Fernandez-Lago, T. A. Ficht, J. T. Foster, B. Garin-Bastuji, J. Godfroid, J. Gorvel, L. Guler, S. Erdenlig-Gurbilek, A. M. Gusi, C. Guzman-Verri, J. Hai, G. Hernandez-Mora, M. Iriarte, N. R. Jacob, A. Keriel, M. Khames, S. Kohler, J.-J. Letesson, M. Loperena-Barber, I. Lopez-Goni, J. McGiven, F. Melzer, R. Mora-Cartin, J. Moran-Gilad, P. M. Munoz, H. Neubauer, D. O'Callaghan, R. Ocholi, A. Onate, P. Pandey, G. Pappas, J. T. Pembroke, M. Roop, N. Ruiz-Villalobos, M. P. Ryan, S. P. Salcedo, M. Salvador-Bescos, F. J. Sangari, R. de Lima Santos, A. Seimenis, G. Splitter, M. Suarez-Esquivel, D. Tabbaa, M. D. Trangoni, R. M. Tsolis, N. Vizcaino, G. Wareth, S. C. Welburn, A. Whatmore, A. Zuniga-Ripa and I. Moriyon. 2023. **If You're Not Confused, You're Not Paying Attention: *Ochrobactrum* Is Not *Brucella*.** *Journal of Clinical Microbiology* 61(8): e0043823. <https://doi.org/10.1128/jcm.00438-23>

Müller, I., N. Althof, B. Hoffmann, C. Klaus, K. Schilling-Loeffler, A. Falkenhagen and R. Johne. 2023. **Comparison of Extraction Methods for the Detection of Tick-Borne Encephalitis Virus RNA in Goat Raw Milk and Cream Cheese.** *Food and Environmental Virology* 15(1): 32-42. <https://doi.org/10.1007/s12560-022-09535-y>

Murphy, F. A., H. J. Johnston, S. Dekkers, E. A. J. Bleeker, A. G. Oomen, T. F. Fernandes, K. Rasmussen, P. Jantunen, H. Rauscher, N. Hunt, L. di Cristo, H. M. Braakhuis, A. Haase, D. Hristozov, W. Wohlleben, S. Sabella and V. Stone. 2023. **How to Formulate Hypotheses and IATAs to Support Grouping and Read-Across of Nanoforms.** *ALTEX* 40(1): 125-140. <https://doi.org/10.14573/altex.2203241>

N

Ndiritu, A., J. Kinyuru, A. Onyango and C. Kipkoeh. 2023. **Functional and microstructural characteristics of chitin extracted from field cricket, house cricket, and black soldier fly cocoons.** *Journal of Food Measurement and Characterization* 17(6): 5903-5912. <https://doi.org/10.1007/s11694-023-02086-1>

Neuhaus, S., S. Brockmann, S. Al Dahouk and R. Dieckmann. 2023. **Survey on microbial contamination of opened skin care products used for tattooing** *Journal of Applied Microbiology* 134(11): lxad243. <https://doi.org/10.1093/jambio/lxad243>

Neves, M., A. Klippert, F. Knöspel, J. Rudeck, A. Stolz, Z. Ban, M. Becker, K. Diederich, B. Grune, P. Kahnau, N. Ohnesorge, J. Pucher, G. Schönfelder, B. Bert and D. Butzke. 2023. **Automatic classification of experimental models in biomedical literature to support searching for alternative methods to animal experiments.** *Journal of Biomedical Semantics* 14: 13. <https://doi.org/10.1186/s13326-023-00292-w>

Nichani, K., S. Uhlig, B. Colson, K. Hettwer, K. Simon, J. Bönick, C. Uhlig, S. Kemmlin, M. Stoyke, P. Gowik, G. Huschek and H. M. Rawel. 2023. **Development of Non-Targeted Mass Spectrometry Method for Distinguishing Spelt and Wheat** *Foods* 12(1): 141. <https://doi.org/10.3390/foods12010141>

Niemann, L., J. Choi, C. Kneuer and T. Tralau. 2023. **Traditional and novel approaches to derive health-based guidance values for pesticides.** *Current Opinion in Food Science* 54: 101091. <https://doi.org/10.1016/j.cofs.2023.101091>

Nieschalke, K., N. Bergau, S. Jessel, A. Seidel, S. Baldermann, M. Schreiner, K. Abraham, A. Lampen, B. H. Monien, B. Kleuser, H. Glatt and F. Schumacher. 2023. **Urinary Excretion of Mercapturic Acids of the Rodent Carcinogen Methyleugenol after a Single Meal of Basil Pesto: A Controlled Exposure Study in Humans.** *Chemical Research in Toxicology* 36(11): 1753-1767. <https://doi.org/10.1021/acs.chemrestox.3c00212>

Noszka, M., A. Strzalka, J. Muraszko, R. Kolenda, C. Meng, C. Ludwig, K. Stingl and A. Zawilak-Pawlik. 2023. **Profiling of the *Helicobacter pylori* redox switch HP1021 regulon using a multi-omics approach.** *Nature Communications* 14: 6715. <https://doi.org/10.1038/s41467-023-42364-6>

P

Pascari, X., S. Weigel, S. Marin, V. Sanchis and R. Maul. 2023. **Detection and quantification of zearalenone and its modified forms in enzymatically treated oat and wheat flour.** *Journal of Food Science and Technology* 60(4): 1367-1375. <https://doi.org/10.1007/s13197-023-05683-6>

Paul, M. B., L. Böhmert, I.-L. Hsiao, A. Braeuning and H. Sieg. 2023. **Complex intestinal and hepatic in vitro barrier models reveal information on uptake and impact of micro-, submicro- and nanoplastics.** *Environment International* 179: 108172. <https://doi.org/10.1016/j.envint.2023.108172>

Paul, M. B., M. Schlieff, H. Daher, A. Braeuning, H. Sieg and L. Böhmert. 2023. **A human Caco-2-based co-culture model of the inflamed intestinal mucosa for particle toxicity studies.** *In vitro models* 2(1-2): 43-64. <https://doi.org/10.1007/s44164-023-00047-y>

Perestrelo, S., A. Amaro, M. S. M. Brouwer, L. Clemente, A. S. Ribeiro Duarte, A. Käsbohrer, R. Karpíšková, V. Lopez-Chavarrias, D. Morris, D. Prendergast, A. Pista, L. Silveira, M. Skarżyńska, R. Slowey, K. T. Veldman, M. Zając, C. Burgess and J. Alvarez. 2023. **Building an International One Health Strain Level Database to Characterise the Epidemiology of AMR Threats: ESBL – AmpC Producing *E. coli* as An Example – Challenges and Perspectives** *Antibiotics* 12(3): 552. <https://doi.org/10.3390/antibiotics12030552>

Peslalz, P., M. Grieshofer, F. Kraus, A. Bleisch, F. Izzo, D. Lichtenstein, H. Hammer, A. Vorbach, K. Momoi, U. M. Zanger, H. Brötz-Oesterhelt, A. Braeuning, B. Plietker and S. Stenger. 2023. **Unnatural Endotype B PPAPs as Novel Compounds with Activity against *Mycobacterium tuberculosis*.** *Journal of Medicinal Chemistry* 66(22): 15073-15083. <https://doi.org/10.1021/acs.jmedchem.3c01172>

Pietsch, M., S. Simon, A. Richter, B. Malorny, L. Uelze, S. Hepner, A. Dangel, A. Sing, I. Huber, U. Busch, J. Linde, U. Methner, N. Becker, G. Werner, A. Mellmann, A. Fruth and A. Flieger. 2023. **Bestandsaufnahme der verfügbaren und aktuell eingesetzten Typisierungsmethoden einschließlich genombasierter Verfahren von Zoonoseerregern am Beispiel von *Salmonella enterica*.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(1): 75-83. <https://doi.org/10.1007/s00103-022-03622-y>

Poelke, B., A. Kuklya, O. Krüger, I. Ebner, O. Kappenstein, A. Roloff, A. Luch and T. Bruhn. 2023. **Development and Validation of an Optimized Method for the Gravimetric Determination of volatile organic compounds in Silicone-based Consumer Products.** *Lebensmittelchemie* 77(S3): S3-115-S113-115. <https://doi.org/10.1002/lemi.202359096>

R

Rabenstein, A., A. Rahofer, J. Vukas, B. Rieder, K. Störzenhofecker, Y. Stoll, N. Burgmann, E. Pieper, P. Laux, A. Luch, T. Rütger and N. Mallock-Ohnesorg. 2023. **Usage Pattern and Nicotine Delivery during Ad Libitum Consumption of Pod E-Cigarettes and Heated Tobacco Products** *Toxics* 11(5): 434. <https://doi.org/10.3390/toxics11050434>

Ramhoj, L., M. Axelstad, Y. Baert, A. Canas-Portilla, F. Chalmel, L. Dahmen, A. de la Vieja, B. Evrard, A.-C. Haigis, T. Hamers, K. Heikamp, H. Holbech, P. Iglesias-Hernandez, D. Knapen, L. Marchandise, J. E. Morthorst, N. G. Nikolov, A. C. V. E. Nissen, M. Oelgeschlaeger, K. Renko, V. Rogiers, G. Schüürmann, E. Stinckens, M. H. Stub, M. Torres-Ruiz, M. Van Duursen, T. Vanhaecke, L. Vergauwen, E. B. Wedebye and T. Svingen. 2023. **New approach methods to improve human health risk assessment of thyroid hormone system disruption—a PARC project.** *Frontiers in Toxicology* 5: 1189303. <https://doi.org/10.3389/ftox.2023.1189303>

Raschke, S., J. Bornhorst and T. Schwerdtle. 2023. **Se supplementation to an in vitro blood-brain barrier does not affect Cu transfer into the brain.** *Journal of Trace Elements in Medicine and Biology* 78: 127180. <https://doi.org/10.1016/j.jtemb.2023.127180>

Raschke, S., F. Ebert, A. P. Kipp, J. F. Kopp and T. Schwerdtle. 2023. **Selenium homeostasis in human brain cells: Effects of copper (II) and Se species.** *Journal of Trace Elements in Medicine and Biology* 78: 127149. <https://doi.org/10.1016/j.jtemb.2023.127149>

Reichelt, B., V. Szott, K. Stingl, U. Roesler and A. Friese. 2023. **Detection of Viable but Non-Culturable (VBNC)-*Campylobacter* in the Environment of Broiler Farms: Innovative Insights Delivered by Propidium Monoazide (PMA)-v-qPCR Analysis** *Microorganisms* 11(10): 2492. <https://doi.org/10.3390/microorganisms11102492>

Reifegerste, D., P. Stehr, L. Ermel, C. Rossmann, A.-K. Lindemann and A. Schulze. 2023. **Multiperspektivität im Multiplikatorenansatz: Interpersonale Kommunikationsmaßnahmen am Beispiel der Kinderunfallprävention.** *Prävention und Gesundheitsförderung* 18(3): 405–412. <https://doi.org/10.1007/s11553-022-00978-6>

Richter, A., M. Pietsch, D. Harmsen, K. Juraschek, C. Lang, A. Mellmann, B. Middendorf-Bauchart, M. Pulz, S. Roth, E. Schuh, A. Fruth and A. Flieger. 2023. **Bestandsaufnahme der verfügbaren und aktuell eingesetzten Typisierungsmethoden von zoonotischen Erregern am Beispiel von Shiga Toxin-bildenden bzw. enterohämorrhagischen *Escherichia coli* (STEC/EHEC).** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(1): 84-91. <https://doi.org/10.1007/s00103-022-03628-6>

Riedel, F., M. Aparicio-Soto, C. Curato, L. Münch, A. Abbas, H.-J. Thierse, W. K. Peitsch, A. Luch and K. Siewert. 2023. **Unique and common TCR repertoire features of Ni²⁺, Co²⁺, and Pd²⁺-specific human CD154 + CD4+ T cells.** *Allergy* 78(1): 270-282. <https://doi.org/10.1111/all.15494>

Rinaldi, S., E. Pieper, T. Schulz, R. Zimmermann, A. Luch, P. Laux and N. Mallock-Ohnesorg. 2023. **Oral nicotine pouches with an aftertaste? Part 2: in vitro toxicity in human gingival fibroblasts.** *Archives of Toxicology* 97(9): 2343-2356. <https://doi.org/10.1007/s00204-023-03554-9>

Rioux, B., L. M. M. Mouterde, J. Alarcán, T. T. Abiola, M. J. A. Vink, J. M. Woolley, A. A. M. Peru, M. M. Mention, F. Brunissen, G. Berden, J. Oomens, A. Braeuning, V. G. Stavros and F. Allais. 2023. **An expeditive and green chemo-enzymatic route to diester sinapoyl-l-malate analogues: sustainable bioinspired and biosourced UV filters and molecular heaters.** *Chemical Science* 14(47): 13962-13978. <https://doi.org/10.1039/D3SC04836E>

Rodríguez-Carrillo, A., V. Mustieles, E. Salamanca-Fernández, A. Olivás-Martínez, B. Suárez, L. Bajard, K. Baken, L. Blaha, E. C. Bonefeld-Jørgensen, S. Couderq, S. C. D'Cruz, J.-B. Fini, E. Govarts, C. Gundacker, A. F. Hernández, M. Lacasaña, F. Laguzzi, B. Linderman, M. Long, H. Louro, C. Neophytou, A. Oberem, S. Remy, A. K. Rosenmai, A. T. Saber, G. Schoeters, M. J. Silva, F. Smagulova, M. Uhl, A. M. Vinggaard, U. Vogel, M. Wielsøe, N. Olea and M. F. Fernández. 2023. **Implementation of effect biomarkers in human biomonitoring studies: A systematic approach synergizing toxicological and epidemiological knowledge.** *International Journal of Hygiene and Environmental Health* 249: 114140. <https://doi.org/10.1016/j.ijheh.2023.114140>

Romanowski, H., F. S. Bierkandt, A. Luch and P. Laux. 2023. **Summary and derived Risk Assessment of 3D printing emission studies.** *Atmospheric Environment* 294: 119501. <https://doi.org/10.1016/j.atmosenv.2022.119501>

Romdhane, R. B. and M. Filter. 2023. **OHEJP COVRIN D4.3.4. Report on risk assessment and modelling of animal coronavirus evolution.** <https://doi.org/10.5281/zenodo.7786372>

Romero, N. G., G. Gutierrez, E. Teixido, L. Li, J. Klose, P. C. Leung, S. Cañigueral, E. Fritsche and M. Barenys. 2023. **Developmental neurotoxicity evaluation of three Chinese herbal medicines in zebrafish larvae by means of two behavioral assays: Touch-evoked response and light/dark transition.** *Reproductive Toxicology* 121: 108469. <https://doi.org/10.1016/j.reprotox.2023.108469>

Rupp, J., M. Guckert, U. Berger, W. Drost, A. Mader, K. Nödler, G. Nürenberg, J. Schulze, R. Söhlmann and T. Reemtsma. 2023. **Comprehensive target analysis and TOP assay of per- and polyfluoroalkyl substances (PFAS) in wild boar livers indicate contamination hot-spots in the environment.** *Science of The Total Environment* 871: 162028. <https://doi.org/10.1016/j.scitotenv.2023.162028>

S

Sandgruber, F., A. Gielsdorf, B. Schenz, S. M. Müller, T. Schwerdtle, S. Lorkowski, C. Griehl and C. Dawczynski. 2023. **Variability in Macro- and Micronutrients of 15 Rarely Researched Microalgae** *Marine Drugs* 21(6): 355. <https://doi.org/10.3390/md21060355>

Santonen, T., S. Mahiout, P. Alvito, P. Apel, J. Bessems, W. Bil, T. Borges, S. Bose-O'Reilly, J. Buekers, A. I. Cañas Portilla, A. Castaño Calvo, M. de Alba González, N. Domínguez-Morueco, M. Esteban López, I. Falnoga, A. Gerofke, M. d. C. González Caballero, M. Horvat, P. Huuskonen, N. Kadikis, M. Kolossa-Gehring, R. Lange, H. Louro, C. Martins, M. Meslin, L. Niemann and et. al. 2023. **How to use human biomonitoring in chemical risk assessment: Methodological aspects, recommendations, and lessons learned from HBM4EU.** *International Journal of Hygiene and Environmental Health* 249: 114139. <https://doi.org/10.1016/j.ijheh.2023.114139>

Sanvido, O., D. A. Basketter, A. Berthet, D. Bloch, J. Ezendam, N. B. Hopf, N. Kleinstreuer, L. L. Merolla, W. Uter, C. Wiemann and M. F. Wilks. 2023. **Quantitative risk assessment of skin sensitising pesticides: Clinical and toxicological considerations.** *Regulatory Toxicology and Pharmacology* 144: 105493. <https://doi.org/10.1016/j.yrtph.2023.105493>

Savin, M., J. A. Hammerl, J. Hassa, N. Hembach, J. Kalinowski, T. Schwartz, F. Droop and N. T. Mutters. 2023. **Free-floating extracellular DNA (exDNA) in different wastewaters: Status quo on exDNA-associated antimicrobial resistance genes.** *Environmental Pollution* 337: 122560. <https://doi.org/10.1016/j.envpol.2023.122560>

Scheinpflug, J., C. T. Höfer, S. S. Schmerbeck, M. Steinfath, J. Doka, Y. Afework Tesfahunegn, N. Violet, K. Renko, K. Gulich, T. John, M. R. Schneider, E. Wistorf, G. Schönfelder and F. Schulze. 2023. **A microphysiological system for studying human bone biology under simultaneous control of oxygen tension and mechanical loading.** *Lab on Chip* 23(15): 3405-3423. <https://doi.org/10.1039/D3LC00154G>

Schmeisser, S., A. Miccoli, M. von Bergen, E. Berggren, A. Braeuning, W. Busch, C. Desaintes, A. Gourmelon, R. Grafström, J. Harrill, T. Hartung, M. Herzler, G. E. N. Kass, N. Kleinstreuer, M. Leist, M. Luijten, P. Marx-Stölting, O. Poetz, B. van Ravenzwaay, R. Roggeband, V. Rogiers, A. Roth, P. Sanders, R. S. Thomas, A. M. Vinggaard, M. Vinken, B. van de Water, A. Luch and T. Tralau. 2023. **New approach methodologies in human regulatory toxicology – Not if, but how and when!** *Environment International* 178: 108082. <https://doi.org/10.1016/j.envint.2023.108082>

Schoonjans, R., J. Castenmiller, Q. Chaudhry, F. Cubadda, T. Daskaleros, R. Franz, D. Gott, J. Mast, A. Mortensen, A. G. Oomen, H. Rauscher, S. Weigel, M. C. Astuto, I. Cattaneo, E. Barthelemy, A. Rincon and J. Tarazona. 2023. **Regulatory safety assessment of nanoparticles for the food chain in Europe.** *Trends in Food Science & Technology* 134: 98-111. <https://doi.org/10.1016/j.tifs.2023.01.017>

Schreiber, I. and A. Luch. 2023. **Tätowierungen und Permanent Makeup: Risiken vom Stechen bis zur Entfernung.** *derma aktuell* 1(1): 9-16.

- Schubert, S., N. Kluger and I. Schreiber. 2023. **Hypersensitivity to permanent tattoos: Literature summary and comprehensive review of patch tested tattoo patients 1997–2022.** *Contact Dermatitis* 88(5): 331-350. <https://doi.org/10.1111/cod.14291>
- Schuh, E., A. Fruth and C. Menge. 2023. **Erregersteckbrief *E. coli*.** *Zoonose des Monats - Erregersteckbrief*. <https://www.zoonosen.net/zoonosenforschung/zoonose-des-monats>
- Schulze, A., F. Brand, J. Geppert and G.-F. Böhl. 2023. **Digital dashboards visualizing public health data: a systematic review.** *Frontiers in Public Health* 11: 999958. <https://doi.org/10.3389/fpubh.2023.999958>
- Schulze, A., F. Brand, D. K. Leschzyk, M. Beuthner, A. Biegert, U. Bomnüter, B. Boy, H.-J. Bucher, R. Frau, M. Hubig, M. Löffelholz, J. Mayer, C. Pliquet, J. Radechovsky, K. Schleicher and K. Ulbrich. 2023. **Optimierung der Risiko- und Krisenkommunikation von Regierungen, Behörden und Organisationen der Gesundheitssicherung – Herausforderungen in lang anhaltenden Krisen am Beispiel der COVID-19-Pandemie.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(8): 930-939. <https://doi.org/10.1007/s00103-023-03708-1>
- Schulze, A., A.-K. Lindemann, F. Brand, J. Geppert, A. Menning, P. Stehr, D. Reifegerste and C. Rossmann. 2023. **Mobile Apps Aimed at Preventing and Handling Unintentional Injuries in Children Aged <7 Years: Systematic Review.** *Interactive Journal of Medical Research* 12: e45258 <https://doi.org/10.2196/45258>
- Schwarz, M., C. E. Meyer, A. Löser, K. Lossow, J. Hackler, C. Ott, S. Jäger, I. Mohr, E. A. Eklund, A. A. H. Patel, N. Gul, S. Alvarez, I. Altinonder, C. Wiel, M. Maeres, H. Haase, A. Härtlova, T. Grune, M. B. Schulze, T. Schwerdtle, U. Merle, H. Zischka, V. I. Sayin, L. Schomburg and A. P. Kipp. 2023. **Excessive copper impairs intrahepatocyte trafficking and secretion of selenoprotein P.** *Nature Communications* 14: 3479. <https://doi.org/10.1038/s41467-023-39245-3>
- Serian, D., Y. Churin, J. A. Hammerl, M. Rohde, A. Jung, A. Müller, M. Yue and C. Kehrenberg. 2023. **Characterization of Temperate LPS-Binding *Bordetella avium* Phages That Lack Superinfection Immunity.** *Microbiology Spectrum* 11(3): e0370222. <https://doi.org/10.1128/spectrum.03702-22>
- Shaw, A., S. Martin, C. Großkopf, O. Sanvido and G. Wagate. 2023. **Improvement in operator safety for low- and middle-income countries: A user-friendly, consistent risk assessment and mitigation process.** *Cabi Reviews* 18:1. <https://doi.org/10.1079/cabireviews.2023.0026>
- Simon, K., G. Oberender and A. Roloff. 2023. **Continuous removal of single cell layers by tape stripping the stratum corneum – a histological study.** *European Journal of Pharmaceutics and Biopharmaceutics* 188: 48-53. <https://doi.org/10.1016/j.ejpb.2023.04.022>
- Simon, K., L. Schneider, G. Oberender, R. Pirow, C. Hutzler, A. Luch and A. Roloff. 2023. **Migration of polycyclic aromatic hydrocarbons from a polymer surrogate through the stratum corneum layer of the skin.** *Ecotoxicology and Environmental Safety* 262: 115113. <https://doi.org/10.1016/j.ecoenv.2023.115113>
- Singh, A. V., G. Bansod, M. Mahajan, P. Dietrich, S. P. Singh, K. Rav, A. Thissen, A. M. Bharde, D. Rothenstein, S. Kulkarni and J. Bill. 2023. **Digital Transformation in Toxicology: Improving Communication and Efficiency in Risk Assessment.** *ACS Omega* 8(24): 21377-21390. <https://doi.org/10.1021/acsomega.3c00596>
- Singh, A. V., A. Katz, R. S. Maharjan, A. K. Gadicherla, M. H. Richter, J. Heyda, P. del Pino, P. Laux and A. Luch. 2023. **Coronavirus-mimicking nanoparticles (CorNPs) in artificial saliva droplets and nanoaerosols: Influence of shape and environmental factors on particokinetics/particle aerodynamics.** *Science of The Total Environment* 860: 160503. <https://doi.org/10.1016/j.scitotenv.2022.160503>
- Singh, A. V., M. Varma, P. Laux, S. Choudhary, A. K. Datusalia, N. Gupta, A. Luch, A. Gandhi, P. Kulkarni and B. Nath. 2023. **Artificial intelligence and machine learning disciplines with the potential to improve the nanotoxicology and nanomedicine fields: a comprehensive review.** *Archives of Toxicology* 97(4): 963-979. <https://doi.org/10.1007/s00204-023-03471-x>
- Singh, S. L., K. Chauhan, A. S. Bharadwaj, V. Kishore, P. Laux, A. Luch and A. V. Singh. 2023. **Polymer Translocation and Nanopore Sequencing: A Review of Advances and Challenges** *International Journal of Molecular Sciences* 24(7): 6153. <https://doi.org/10.3390/ijms24076153>
- Smalla, K., J. Kabisch, G. Fiedler, J. A. Hammerl and B.-A. Tenhagen. 2023. **Gesundheitsrisiken durch die Bewässerung von Nutzpflanzen mit aufbereitetem Abwasser, das Antibiotikarückstände, Resistenzgene und resistente Mikroorganismen enthält.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(6): 660-668. <https://doi.org/10.1007/s00103-023-03710-7>
- Smith, R. P., H. E. May, E. Burow, M. Meester, T. J. Tobias, E.-L. Sassu, E. Pavoni, I. Di Bartolo, C. Prigge, D. Wasyl, J. Zmudzki, A. Viltrop, I. Nurmoja, V. Zoche-Golob, G. L. Alborali, R. Romantini, A. Dors, G. Krumova-Valcheva, I. Koláčková, G. Aprea and H. Daskalov. 2023. **Assessing pig farm biosecurity measures for the control of *Salmonella* on European farms.** *Epidemiology and Infection* 151: e130. <https://doi.org/10.1017/S0950268823001115>
- Sonnenburg, A., R. Stahlmann, R. Kreutz and M. Peiser. 2023. **Aryl hydrocarbon receptor knockout and antibody blockade of programmed cell death ligand1 increase co-stimulatory molecules on THP-1 and specific cytokine response of human T cells.** *Toxicology in Vitro* 86: 105502. <https://doi.org/10.1016/j.tiv.2022.105502>

Sonnenburg, A., R. Stahlmann, R. Kreutz and M. Peiser. 2023. **A new cell line based coculture system for skin sensitisation testing in one single assay using T cells, aryl hydrocarbon receptor knockout, and co-inhibitory blockage.** *Archives of Toxicology* 97(6): 1677-1689. <https://doi.org/10.1007/s00204-023-03506-3>

Sprengel, J., S. Rixen, T. Tietz, S. Zellmer, D. M. Schumacher, A. Lüth, O. Kappenstein and W. Vetter. 2023. **Chlorinated paraffins in nut-nougat and chocolate spreads from the German market.** *Food Control* 145: 109385. <https://doi.org/10.1016/j.foodcont.2022.109385>

Stehr, P., L. Ermel, C. Rossmann, D. Reifegerste, A.-K. Lindemann and A. Schulze. 2023. **A Mobile Health Information Behavior Model: Theoretical Development and Mixed-Method Testing in the Context of Mobile Apps on Child Poisoning Prevention.** *Journal of Health Communication* 28(10): 648-657. <https://doi.org/10.1080/10810730.2023.2250313>

Stiboller, M., A. Cofré Espinoza, S. Scholz, G. Raber and T. Schwerdtle. 2023. **Isolation and purification of arsenolipids from natural marine sources for use in speciation and toxicological studies.** *Environmental Chemistry* 20(2): 31-43. <https://doi.org/10.1071/EN22071>

Stobernack, T., M. Zarske, A. Niedzwiecka, J. Zagon, A. Steinhilber, O. Poetz and U. M. Herfurth. 2023. **LC-MS-based detection of silkworm pupae in feed with and without prior immunoaffinity enrichment.** *Journal of Insects as Food and Feed* 9(4): 463-474. <https://doi.org/10.3920/JIFF2022.0098>

Strickland, J., J. Abedini, D. G. Allen, J. Gordon, V. Hull, N. C. Kleinstreuer, H.-S. Ko, J. Matheson, H.-J. Thierse, J. Truax, J. T. Vanselow and M. Herzler. 2023. **A database of human predictive patch test data for skin sensitization.** *Archives of Toxicology* 97(11): 2825-2837. <https://doi.org/10.1007/s00204-023-03530-3>

Sutrave, S. and M. H. Richter. 2023. **The Truman Show for Human Helminthic Parasites: A Review of Recent Advances in In Vitro Cultivation Platforms** *Microorganisms* 11(7): 1708. <https://doi.org/10.3390/microorganisms11071708>

Sy, M., A. Conrad, C. Jung, O. Lindtner and M. Greiner. 2023. **Analysis of Human Co-exposure to Lead and Cadmium Using Human Biomonitoring (HBM) Data in a Bayesian Copula-Based Regression Framework.** *Exposure and Health*. <https://doi.org/10.1007/s12403-023-00573-w>

Sy, M., D. Eleftheriadou, C. Jung, O. Lindtner, S. Karakitsios, D. Sarigiannis, T. Weber, M. Kolossa-Gehring and M. Greiner. 2023. **Assessment of the Long-Term Exposure to Lead in Four European Countries Using PBPK Modeling.** *Exposure and Health*. <https://doi.org/10.1007/s12403-023-00535-2>

T

Tartaglione, L., C. R. Loeffler, V. Miele, F. Varriale, M. Varra, M. Monti, A. Varone, D. Bodi, A. Spielmeier, S. Capellacci, A. Penna and C. Dell'Aversano. 2023. **Dereplication of *Gambierdiscus balechii* extract by LC-HRMS and in vitro assay: First description of a putative ciguatoxin and confirmation of 44-methylgambierone.** *Chemosphere* 319: 137940. <https://doi.org/10.1016/j.chemosphere.2023.137940>

Teixidó, E., C. Riera-Colomer, D. Raldúa, D. Pubill, E. Escubedo, M. Barenys and R. López-Arnau. 2023. **First-Generation Synthetic Cathinones Produce Arrhythmia in Zebrafish Eleutheroembryos: A New Approach Methodology for New Psychoactive Substances Cardiotoxicity Evaluation** *International Journal of Molecular Sciences* 24(18): 13869. <https://doi.org/10.3390/ijms241813869>

Tenhagen, B.-A., K. Alt, M. Grobbel and S. Maurischat. 2023. **MRSA in bulk tank milk of dairy herds in Germany – changes over time.** *Tierärztliche Praxis: Ausgabe Großtiere/ Nutztiere* 51(02): 63-69. <https://doi.org/10.1055/a-2004-1474>

Thiel, A., A.-K. Weishaupt, M. M. Nicolai, K. Lossow, A. P. Kipp, T. Schwerdtle and J. Bornhorst. 2023. **Simultaneous quantitation of oxidized and reduced glutathione via LC-MS/MS to study the redox state and drug-mediated modulation in cells, worms and animal tissue.** *Journal of Chromatography B* 1225: 123742. <https://doi.org/10.1016/j.jchromb.2023.123742>

Tiwari, A., A. Kauppinen, P. Räsänen, J. Salonen, L. Wessels, J. Juntunen, I. T. Miettinen and T. Pitkänen. 2023. **Effects of temperature and light exposure on the decay characteristics of fecal indicators, norovirus, and *Legionella* in mesocosms simulating subarctic river water.** *Science of The Total Environment* 859(Part 2): 160340. <https://doi.org/10.1016/j.scitotenv.2022.160340>

Treffon, J., K. Prior, J. Dreesman, R. Egelkamp, A. Flieger, B. Middendorf-Bauchart, M. Projahn, A. Richter, E. Schuh, D. Harmsen and A. Mellmann. 2023. **Multicenter Preparedness Exercise Enables Rapid Development of Cluster-Specific PCR-Based Screening Assays from Bacterial Genomic Data.** *Journal of Clinical Microbiology* 61(3): e0187322. <https://doi.org/10.1128/jcm.01873-22>

Triesch, N., N. Vijayakumar, S. Weigel and A. These. 2023. **Cannabinoid contents in hemp teas and estimation of their transfer into tea infusions.** *Food Additives & Contaminants: Part A* 40(7): 890-901. <https://doi.org/10.1080/19440049.2023.2224455>

Tsochatzis, E. D., J. A. Lopes and O. Kappenstein. 2023. **Study of the ionic strength effect on the migration of polyamide 6 and 66 oligomers into liquid simulants by a LC-qTOF-MS method.** *Food Packaging and Shelf Life* 35: 101015. <https://doi.org/10.1016/j.fpsl.2022.101015>

Tuchtenhagen, M., M. Stiboller, B. Witt and T. Schwerdtle. 2023. **A novel approach for the determination of exchangeable copper in serum using protein precipitation.** *Journal of Analytical Atomic Spectrometry* 38(3): 587-594.
<https://doi.org/10.1039/D2JA00355D>

U

Uakhit, R., A. Mayer-Scholl, C. Shin, A. Smagulova, L. Lider, S. Leontyev and V. Kiyan. 2023. **Genetic identification of *Trichinella* species found in wild carnivores from the territory of Kazakhstan.** *Frontiers in Veterinary Science* 10: 1266561.
<https://doi.org/10.3389/fvets.2023.1266561>

Uelze, L., M. Borowiak, J. Fischer, S. Lueth, C. Deneke and B. Malorny. 2023. **Ringversuch 2021: „Gesamtgenomsequenzierung von *Salmonella enterica* und *Listeria monocytogenes*“: Arbeitsgruppe § 64 LFGB „NGS-Bakteriencharakterisierung“.** *Amtliche Sammlung von Untersuchungsverfahren*: 1-17.
https://www.bvl.bund.de/DE/Arbeitsbereiche/09_Untersuchungen/01_Aufgaben/04_Amtliche_Sammlung_Untersuchungsverfahren/untersuchungen_SammlungUntersuchungsverfahren_node.html

Ulrich, J.-U., L. Epping, T. Pilz, B. Walther, K. Stingl, T. Semmler and B. Y. Renard. 2023. **Nanopore adaptive sampling effectively enriches bacterial plasmids.** *bioRxiv preprint*.
<https://doi.org/10.1101/2022.10.03.510741>

Ulrich, R. G., S. Drewes, V. Haring, J. Panajotov, M. Pfeiffer, D. Rubbenstroth, J. Dreesman, M. Beer, G. Dobler, S. Knauf, R. Johne and M. M. Böhmer. 2023. **Virale Zoonosen in Deutschland aus der One Health-Perspektive.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(6): 599-616. <https://doi.org/10.1007/s00103-023-03709-0>

Uluckan, Ö., S. Bruno, Y. Wang, N. Wack, J. Wilzopolski, J.-F. Goetschy, C. Delucis-Bronn, B. Urban, D. Fehlmann, H. Stark, A. Hauchard, E. Roussel, D. Kempf, K. Kaupmann, F. Raulf, W. Bäumer, T. A. Röhn and H. G. Zerwes. 2023. **Adriforant is a functional antagonist of histamine receptor 4 and attenuates itch and skin inflammation in mice.** *European Journal of Pharmacology* 945: 175533.
<https://doi.org/10.1016/j.ejphar.2023.175533>

Uttl, L., K. Bechynska, M. Ehlers, V. Kadlec, K. Navratilova, Z. Dzuman, C. Fauhl-Hassek and J. Hajslova. 2023. **Critical assessment of chemometric models employed for varietal authentication of wine based on UHPLC-HRMS data.** *Food Control* 143: 109336.
<https://doi.org/10.1016/j.foodcont.2022.109336>

V

Valusenko-Mehrkens, R., A. K. Gadicherla, R. Johne and A. Falkenhagen. 2023. **Strain-Specific Interactions between the Viral Capsid Proteins VP4, VP7 and VP6 Influence Rescue of Rotavirus Reassortants by Reverse Genetics** *International Journal of Molecular Sciences* 24(6): 5670.
<https://doi.org/10.3390/ijms24065670>

van Pinxteren, M., S. Zeppenfeld, K. W. Fomba, N. Triesch, S. Frka and H. Herrmann. 2023. **Amino acids, carbohydrates, and lipids in the tropical oligotrophic Atlantic Ocean: sea-to-air transfer and atmospheric in situ formation.** *Atmospheric Chemistry and Physics* 23(11): 6571-6590.
<https://doi.org/10.5194/acp-23-6571-2023>

Varunjikar, M. S., T. Bøhn, M. Sanden, I. Belghit, J. Pineda-Pampliega, M. Palmblad, H. Broll, A. Braeuning and J. D. Rasinger. 2023. **Proteomics analyses of herbicide-tolerant genetically modified, conventionally, and organically farmed soybean seeds.** *Food Control* 151: 109795.
<https://doi.org/10.1016/j.foodcont.2023.109795>

Vetter, W., T. Schulz, S. Schweizer and S. Zellmer. 2023. **Chlorinated paraffins in food contact materials made of rubber from the German market.** *Emerging Contaminants* 9(4): 100255.
<https://doi.org/10.1016/j.emcon.2023.100255>

Viltrop, A., T. Niine, T. Tobias, E. L. Sassu, I. D. Bartolo, E. Pavoni, G. L. Alborali, E. Burow and R. P. Smith. 2023. **A Review of Slaughter Practices and Their Effectiveness to Control Microbial – esp. *Salmonella* spp. – Contamination of Pig Carcasses.** *Journal of Food Protection* 86(11): 100171.
<https://doi.org/10.1016/j.jfp.2023.100171>

Von Coburg, E. and S. Dunst. 2023. **The adverse outcome pathway for breast cancer: a knowledge management framework bridging biomedicine and toxicology.** *Discover Oncology* 14: 223.
<https://doi.org/10.1007/s12672-023-00840-x>

Vukas, J., N. Mallock-Ohnesorg, T. Rütger, E. Pieper, L. Romano-Brandt, Y. Stoll, L. Hoehne, N. Burgmann, P. Laux, A. Luch and A. Rabenstein. 2023. **Two Different Heated Tobacco Products vs. Cigarettes: Comparison of Nicotine Delivery and Subjective Effects in Experienced Users** *Toxics* 11(6): 525.
<https://doi.org/10.3390/toxics11060525>

W

Wagenknecht, T., B. Eusemann, P. Schwedhelm, G. Schönfelder and B. Bert. 2023. **Das Vorliegen eines „vernünftigen Grundes“ bei der Tötung überzähliger Versuchstiere.** *Natur und Recht* 45(4): 225-233.
<https://doi.org/10.1007/s10357-022-4103-8>

- Wagenknecht, T., B. Eusemann, P. Schwedhelm, G. Schönfelder and B. Bert. 2023. **Die Tötung überzähliger Versuchstiere – das Erfordernis des "vernünftigen Grundes" und die Übertragung aktueller Rechtsprechung auf den Versuchstierbereich.** *Natur und Recht* 45(1): 22-30.
<https://doi.org/10.1007/s10357-022-4102-9>
- Weber, A. G., B. Birk, V. Giri, S. Hoffmann, K. Renko, S. Coecke, S. Schneider, D. Funk-Weyer and R. Landsiedel. 2023. **Assessment of the Predictivity of DIO1-SK Assay to Investigate DIO1 Inhibition in Human Liver Microsomes.** *Applied In Vitro Toxicology* 9(2): 44-59.
<https://doi.org/10.1089/aivt.2022.0016>
- Weidemann, E., R. Lämmer, H. Just, B. Göckener, M. Bücking, M. Gaßmann, T. Stahl, J. Breuer, R. Boeddinghaus and J. Kowalczyk. 2023. **Verhalten von PFAS im Pfad Boden, Wasser und Pflanze.** *Altlasten Spektrum* 23(2): 71-76.
<https://doi.org/10.37307/j.1864-8371.2023.02.06>
- Weishaupt, A.-K., L. Kubens, L. Ruecker, T. Schwerdtle, M. Aschner and J. Bornhorst. 2023. **A Reliable Method Based on Liquid Chromatography-Tandem Mass Spectrometry for the Simultaneous Quantification of Neurotransmitters in *Caenorhabditis elegans*** *Molecules* 28(14): 5373.
<https://doi.org/10.3390/molecules28145373>
- Wendt, S., D. Prasa, C. Lübbert, K. Begemann and H. Franke. 2023. **Expositionen mit Fruchtpflanzen in Deutschland im Zeitraum 2010–2019: Auswertung der Datenbank des Gemeinsamen Giftinformationszentrums Erfurt (GGIZ).** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(12): 1423-1433.
<https://doi.org/10.1007/s00103-023-03780-7>
- Werner, G., M. Abu Sin, C. Bahrs, S. Brogden, A. T. Feßler, S. Hagel, H. Kaspar, R. Köck, L. Kreienbrock, H. Krüger-Haker, F. Maechler, I. Noll, M. W. Pletz, B.-A. Tenhagen, S. Schwarz, B. Walther and M. Mielke. 2023. **Therapierelevante Antibiotikaresistenzen im One-Health-Kontext.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(6): 628-643.
<https://doi.org/10.1007/s00103-023-03713-4>
- Werner, T., A. Käsbohrer, B. Wasner, S. Köberl-Jelovcan, S. G. Vetter, C. Egger-Danner, K. Fuchs, W. Obritzhauser and C. L. Firth. 2023. **Antimicrobial resistance and its relationship with antimicrobial use on Austrian dairy farms.** *Frontiers in Veterinary Science* 10: 1225826.
<https://doi.org/10.3389/fvets.2023.1225826>
- Wessels, L., M. Kjellevoid, J. Kolding, C. Odoli, I. Aakre, F. Reich and J. Pucher. 2023. **Putting small fish on the table: the underutilized potential of small indigenous fish to improve food and nutrition security in East Africa.** *Food Security* 15(4): 1025-1039.
<https://doi.org/10.1007/s12571-023-01362-8>
- Wewetzer, H. 2023. **Gesund oder giftig? Lebensmittel zwischen gefühlten und tatsächlichen Risiken.** *Forum* 38(2): 138-140.
<https://doi.org/10.1007/s12312-023-01179-8>
- Wewetzer, H., T. Wagenknecht, B. Bert and G. Schönfelder. 2023. **The fate of surplus laboratory animals: Minimizing the production of surplus animals has greatest potential to reduce the number of laboratory animals.** *EMBO Reports* 24(3): e56551.
<https://doi.org/10.15252/embr.202256551>
- Wiedemann, P. M., M. Lohmann, G.-F. Bül and F. Freudenstein. 2023. **Eliminating the effects of reporting bias on risk perception.** *Science of the Total Environment* 874: 162304.
<https://doi.org/10.1016/j.scitotenv.2023.162304>
- Wilhelmi, P., V. Giri, F. M. Zickgraf, V. Haake, S. Henkes, P. Driemert, P. Michaelis, W. Busch, S. Scholz, B. Flick, M. Barenys, B. Birk, H. Kamp, R. Landsiedel and D. Funk-Weyer. 2023. **A metabolomics approach to reveal the mechanism of developmental toxicity in zebrafish embryos exposed to 6-propyl-2-thiouracil.** *Chemico-Biological Interactions* 382: 110565.
<https://doi.org/10.1016/j.cbi.2023.110565>
- Wilking, H., S. Beermann, I. Boone, J. Dreesman, V. Fingerle, J. Gethmann, R. Lachmann, M. Lamparter, A. Mayer-Scholl, A. Meinen, M. Schöl and B. Suwono. 2023. **Bakterielle Zoonosen mit Bedeutung für den öffentlichen Gesundheitsschutz in Deutschland – Vorkommen, Verbreitung und Übertragungswege.** *Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz* 66(6): 617-627.
<https://doi.org/10.1007/s00103-023-03703-6>
- Willy, C., J. J. Bugert, A. Y. Classen, L. Deng, A. Döchting, J. Gross, J. A. Hammerl, I. H. E. Korf, C. Kühn, S. Lieberknecht-Jouy, C. Rohde, M. Rupp, M. J. G. T. Vehreschild, K. Vogeles, S. Wienecke, M. Witzernath, S. Würstle, H. Ziehr, K. Moelling and F. Broecker. 2023. **Phage Therapy in Germany – Update 2023** *Viruses* 15(2): 588.
<https://doi.org/10.3390/v15020588>
- Wiśniowska, B., S. Linke, S. Polak, Z. Bielecka, A. Luch and R. Pirow. 2023. **Data on ADME parameters of bisphenol A and its metabolites for use in physiologically based pharmacokinetic modelling.** *Data in Brief* 48: 109101.
<https://doi.org/10.1016/j.dib.2023.109101>
- Wiśniowska, B., S. Linke, S. Polak, Z. Bielecka, A. Luch and R. Pirow. 2023. **Physiologically based modelling of dermal absorption and kinetics of consumer-relevant chemicals: A case study with exposure to bisphenol A from thermal paper.** *Toxicology and Applied Pharmacology* 459: 116357.
<https://doi.org/10.1016/j.taap.2022.116357>

Wolter, A., C. H. Bucher, S. Kurmies, V. Schreiner, F. Konietschke, K. Hohlbaum, R. Klopffleisch, M. Löhning, C. Thöne-Reineke, F. Buttgereit, J. Huwyler, P. Jirkof, A. E. Rapp and A. Lang. 2023. **A buprenorphine depot formulation provides effective sustained post-surgical analgesia for 72 h in mouse femoral fracture models.** *Scientific Reports* 13: 3824. <https://doi.org/10.1038/s41598-023-30641-9>

Wörmann, M. E., A. Bhatte, H. Wichmann-Schauer, B.-A. Tenhagen and T. Lienen. 2023. **Heat Inactivation of Methicillin-Resistant *Staphylococcus aureus* Strains from German Dairy farms in Colostrum and Raw Milk** *Animals* 13(22): 3549. <https://doi.org/10.3390/ani13223549>

Wortmann, H. R., U. A. Gisch, F. Jannasch, S. Knüppel, M. M. Bergmann and P. Warschburger. 2023. **Dyadic analysis of the relationship between food neophilia and dietary quality among older heterosexual couples: Findings from the NutriAct Family Study.** *Food Quality and Preference* 110: 104952. <https://doi.org/10.1016/j.foodqual.2023.104952>

Würger, L., G. Birkholz, A. Oberemm, H. Sieg and A. Braeuning. 2023. **Proteomic analysis of hepatic effects of okadaic acid in HepaRG human liver cells** *EXCLI Journal* 22: 1135-1145. <https://doi.org/10.17179/excli2023-6458>

Würger, L., F. Kudiabor, J. Alarcan, M. Templin, O. Poetz, H. Sieg and A. Braeuning. 2023. **Okadaic Acid Activates JAK/STAT Signaling to Affect Xenobiotic Metabolism in HepaRG Cells** *Cells* 12(5): 770. <https://doi.org/10.3390/cells12050770>

Wyink, B., A. Beterams, S. Fleischmann, T. Albert, F. Reich, P. G. Braun, N. Langkabel and T. Alter. 2023. **Moderne Techniken zur Reduktion von *Campylobacter*-Belastungen in der Geflügelschlachtkette.** *Fleischwirtschaft* 2023(12): 66-69.

Y

Young, P., A. Luch and P. Laux. 2023. **Impact of phosphine and of sulfur dioxide fumigation on walnut quality.** *Journal of Stored Products Research* 100: 102059. <https://doi.org/10.1016/j.jspr.2022.102059>

Z

Zeller-Peronnet, V., N. Bretschneider, J. Lausch, N. Hanifi, M. Pavlovic, M. Zarske, H. Q. Luu, U. Busch, K. Stingl and I. Huber. 2023. **Multiplex Real-Time PCR for the Detection of Tetracycline, Ciprofloxacin, and Erythromycin Resistance Determinants from Human and Foodborne *Campylobacter jejuni* and *Campylobacter coli*** *Microorganisms* 11(12): 2927. <https://doi.org/10.3390/microorganisms11122927>

Zhang, Q., T. Alter, E. Strauch, J. A. Hammerl, K. Schwartz, M. Borowiak, C. Deneke and S. Fleischmann. 2023. **Genetic and Phenotypic Virulence Potential of Non-O1/Non-O139 *Vibrio cholerae* Isolated from German Retail Seafood.** *Microorganisms* 11(11): 2751. <https://doi.org/10.3390/microorganisms11112751>