

Wissenschaftliche Publikationen in Fachzeitschriften 2024

A

Abd El Wahed, A., P. Kadetz, J. B. Okuni, Y. Dieye, M. Frimpong, G. O. Ademowo, S. Makiala-Mandanda, Y. Woldeamanuel, K. H. Eltom, G. Yeboah, A. Käsbohrer, H. Kajumbula, U. Trynen and D. Nakanjako. 2024. An African One Health network for antimicrobial resistance and neglected tropical diseases. *Nature medicine* 30(1): 10-11.
<http://dx.doi.org/10.1038/s41591-023-02666-0>

Abou-Dakn, M., K. Abu-Omar, F. Alaze-Hagemann, U. Alexy, C.-P. Bauer, K. Beyer, M. Cierpka, M. Cremer, R. Ensenauer, M. Fast, M. Flothkötter, I. Heindl, C. Hellmers, C. Joisten, M. Kersting, B. Koletzko, M. Krawinkel, H. Przyrembel, C. Rademacher, K. Reiss, U. Schiffner, I. Somm, M. Speck, U. Thyen, K. Vetter, A. Weißenborn, A. Wöckel and A.-L. Zietlow. 2024. Ernährung und Bewegung von Säuglingen und stillenden Frauen 2024: Teilaktualisierte Handlungsempfehlungen des bundesweiten Netzwerks Gesund ins Leben. *Monatsschrift Kinderheilkunde*.
<http://dx.doi.org/10.1007/s00112-024-02014-7>

Abraham, K., H. Mertens, L. Richter, H. Mielke, T. Schwerdtle and B. H. Monien. 2024. Kinetics of 15 per- and polyfluoroalkyl substances (PFAS) after single oral application as a mixture – A pilot investigation in a male volunteer. *Environment International* 193: 109047.
<http://dx.doi.org/10.1016/j.envint.2024.109047>

Adamovsky, O., K. J. Groh, A. Białk-Bielńska, B. I. Escher, R. Beaudouin, L. Mora Lagares, K. E. Tollefson, M. Fenske, E. Mulkiewicz, N. Creusot, A. Sosnowska, S. Loureiro, J. Beyer, G. Repetto, A. Štern, I. Lopes, M. Monteiro, A. Žikova-Kloas, T. Eleršek, M. Vračko, S. Zdybel, T. Pubyn, W. Koczur, J. Ebsen Morthorst, H. Holbech, G. Carlsson, S. Örn, Ó. Herrero, A. Siddique, M. Liess, G. Braun, V. Srebny, B. Žegura, N. Hinfray, F. Brion, D. Knappen, E. Vandepitte, E. Stinckens, L. Vergauwen, L. Behrendt, M. João Silva, L. Blaha and K. Kyriakopoulou. 2024. Exploring BPA alternatives – Environmental levels and toxicity review. *Environment International* 189: 108728.
<http://dx.doi.org/10.1016/j.envint.2024.108728>

Ahrens, K., M. Röver, G. Molnar, S. Martin, E. Peter, J.-N. Schäckermann, S. Bense and J. K. Wegener. 2024. 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* 19(2): 131-142.
<http://dx.doi.org/10.1007/s00003-023-01468-3>

Alarcan, J. and A. Braeuning. 2024. Effects of okadaic acid, azaspiracid-1, yessotoxin and their binary mixtures on human intestinal Caco-2 cells. *EXCLI Journal* 23: 509-522.
<http://dx.doi.org/10.17179/excli2023-6884>

Alcolea-Rodriguez, V., V. I. Dumit, R. Ledwith, R. Portela, M. A. Bañares and A. Haase. 2024. Differentially Induced Autophagy by Engineered Nanomaterial Treatment Has an Impact on Cellular Homeostasis and Cytotoxicity. *Nano letters : a journal dedicated to nanoscience and nanotechnology / publ. by the American Chemical Society* 24(38): 11793-11799.
<http://dx.doi.org/10.1021/acs.nanolett.4c01573>

Ali, A. S. M., J. Berg, V. Roehrs, D. Wu, J. Hackethal, A. Braeuning, L. Woelken, C. Rauh and J. Kurreck. 2024. Xeno-Free 3D Bioprinted Liver Model for Hepatotoxicity Assessment. *International Journal of Molecular Sciences* 25(3): 1811.
<http://dx.doi.org/10.3390/ijms25031811>

Ali, A. S. M., D. Wu, A. Bannach-Brown, D. Dhamrait, J. Berg, B. Tolksdorf, D. Lichtenstein, C. Dressler, A. Braeuning, J. Kurreck and M. Hülsemann. 2024. 3D bioprinting of liver models: A systematic scoping review of methods, bioinks, and reporting quality. *Materials today bio* 26: 100991.
<http://dx.doi.org/10.1016/j.mtbiol.2024.100991>

Alinaitwe, L., C. J. Aturinda, A. Lubega, V. Kivali, J. Bugeza, M. Wainaina, M. H. Richter, J. J. Hoona, K. Roesel, A. Mayer-Scholl, E. A. J. Cook, C. Kankya and S. Dürr. 2024. Cross-sectional serosurvey of *Leptospira* species among slaughter pigs, goats, and sheep in Uganda. *PLoS neglected tropical diseases* 18(3): e0012055.
<http://dx.doi.org/10.1371/journal.pntd.0012055>

Atter, A., H. Ofori, P. T. Akonor, A. Andoh-Odoom, J. Ampah, M. Owusu, F. Peget, R. Overå, J. Kolding, J. Pucher and M. Kjellevold. 2024. Enriched local convenience foods with two different small pelagic fish species increases the nutritional value without compromising taste. *International Journal of Gastronomy and Food Science* 37: 100956.
<http://dx.doi.org/10.1016/j.ijgfs.2024.100956>

B

- Bahl, A., S. Halappanavar, W. Wohlleben, P. Nymark, P. Kohonen, H. Wallin, U. Vogel and A. Haase. 2024. **Bioinformatics and machine learning to support nanomaterial grouping.** *Nanotoxicology* 18(4): 373-400. <http://dx.doi.org/10.1080/17435390.2024.2368005>
- Baldensperger, T., T. Jung, T. Heinze, T. Schwerdtle, A. Höhn and T. Grune. 2024. **The age pigment lipofuscin causes oxidative stress, lysosomal dysfunction, and pyroptotic cell death.** *Free radical biology and medicine* 225: 871-880. <http://dx.doi.org/10.1016/j.freeradbiomed.2024.10.311>
- Barat Baviera, J. M., C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, A. Chesson, L. Herman, J. Aguilera, M. Andryszkiewicz, A. Criado, Y. Liu, E. Nielsen, K. Norby and H. Zorn. 2024. **Safety evaluation of the food enzyme triacylglycerol lipase from the non-genetically modified *Limtongozyma cylindracea* strain AE-LAYH (B).** *EFSA Journal* 22(10): e8937. <http://dx.doi.org/10.2903/j.efsa.2024.8937>
- Bäumler, W., U. Hauri, W. Liszewski, G. McCombie, I. Schreiver and S. Schubert. 2024. **Alignment with toxicological and medical reality is urgently needed: A plea after more than one year of European regulation on tattoo and permanent make-up inks.** *Journal of the European Academy of Dermatology and Venereology* : JEADV 38(10): e896-e897. <http://dx.doi.org/10.1111/jdv.19981>
- Becher, H., L. Krist, J. Menzel, I. Fernholz, T. Keil, G. Kreutz, A. Schmidt, F. Streit, S. N. Willich and C. Weikert. 2024. **Music-Making and Depression and Anxiety Before and During the COVID-19 Pandemic—Results From the NAKO Cohort Study in Germany.** *International journal of public health* 69: 1606993. <http://dx.doi.org/10.3389/ijph.2024.1606993>
- Becker, P. C., M. Güth-Steffens, K. Lazarow, N. Sonntag, D. Braun, I. Masfaka, K. Renko, L. Schomburg, J. Köhrle, J. P. von Kries, U. Schweizer, G. Krause and J. Protze. 2024. **Identification of Human TRIAC Transmembrane Transporters.** *Thyroid : the official journal of the American Thyroid Association* 34(7): 920-930. <http://dx.doi.org/10.1089/thy.2023.0592>
- Beisl, J., K. Jochum, Y. Chen, E. Varga and D. Marko. 2024. **Combinatory Effects of Acrylamide and Deoxynivalenol on In Vitro Cell Viability and Cytochrome P450 Enzymes of Human HepaRG Cells.** *Toxins* 16(9): 389. <http://dx.doi.org/10.3390/toxins16090389>
- Beshiru, A., E. O. Igbinosa, S. Al Dahouk, R. Dieckmann and S. Neuhaus. 2024. **Draft genome sequences of a bla CTX -M-15 -harboring and an atypical enteropathogenic Escherichia coli isolate recovered from slaughterhouses in Nigeria.** *Microbiology Resource Announcements* 13(7): e0014024. <http://dx.doi.org/10.1128/mra.00140-24>
- Bester, C., A. Käsbohrer, N. Wilkins, G. Correia Carreira and T. Marschik. 2024. **Identification of cost-effective biosecurity measures to reduce Salmonella along the pork production chain: Economic assessment of biosecurity measures in pig production.** *Frontiers in veterinary science* 11: 1380029. <http://dx.doi.org/10.3389/fvets.2024.1380029>
- Beterams, A., A. Kirse, L. Kreienbrock, K. Stingl, N. Bandick and F. Reich. 2024. **Application of hot water and cold air to reduce bacterial contamination on broiler carcasses.** *Frontiers in Microbiology* 15: 1429756. <http://dx.doi.org/10.3389/fmicb.2024.1429756>
- Beterams, A., C. Püning, B. Wyink, J. Grosse-Kleemann, G. Götz, T. Alter, A. Schönknecht and F. Reich. 2024. **Status quo: Levels of *Campylobacter* spp. and hygiene indicators in German slaughterhouses for broiler and turkey.** *International journal of food microbiology* 414: 110610. <http://dx.doi.org/10.1016/j.ijfoodmicro.2024.110610>
- Binsker, U., C. Deneke, H. M. Hamid, A. K. Gadicherla, A. Göhler, A. Käsbohrer and J. A. Hammerl. 2024. **Genomic dissection of *Escherichia marmotae* provides insights into diversity and pathogenic potential.** *ISME Communications* 4(1): ycae126. <http://dx.doi.org/10.1093/ismeco/ycae126>
- Binsker, U., C. Jäckel, J. Rau, M. Borowiak, C. Salzinger, I. García-Meniño, A. Käsbohrer and J. A. Hammerl. 2024. ***Klebsiella pneumoniae* arms itself: poultry food chain drives spread and evolution of mcr-1.26-IncX4 plasmids.** *Microbiology Spectrum* 12(6): e0421023. <http://dx.doi.org/10.1128/spectrum.04210-23>
- Bleischwitz, S., T. S. Winkelmann, Y. Pfeifer, M. A. Fischer, N. Pfennigwerth, J. A. Hammerl, U. Binsker, J. B. Hans, S. Gatermann, A. Käsbohrer, G. Werner and L. Kreienbrock. 2024. **Antimicrobial Resistance Surveillance: Data Harmonisation and Data Selection within Secondary Data Use.** *Antibiotics* 13(7): 656. <http://dx.doi.org/10.3390/antibiotics13070656>
- Bloch, D., P. Marx-Stoelting and T. Tralau. 2024. **NAMs: Beta testing needed.** *Current Opinion in Toxicology* 39: 100490. <http://dx.doi.org/10.1016/j.cotox.2024.100490>
- Bonzelett, C., B. Rehberg, S. T. Winkelmann, A. Käsbohrer and L. Kreienbrock. 2024. **Documentation of antimicrobial resistance data in veterinary practices in Germany.** *Berliner und Münchener tierärztliche Wochenschrift* 137: 1-13. <http://dx.doi.org/10.2376/1439-0299-2023-14>
- Bork, L. V., T. Stobernack, S. Rohn and C. Kanzler. 2024. **Browning reactions of hydroxycinnamic acids and heterocyclic Maillard reaction intermediates – Formation of phenol-containing colorants.** *Food Chemistry: an international journal* 449: 139189. <http://dx.doi.org/10.1016/j.foodchem.2024.139189>

Borowiak, M., A. Kreitlow, B. Malorny, C. Lämmler, E. Prenger-Berninghoff, M. Plötz and A. Abdulmawjood. 2024. **Arcanobacterium canis strain DSM 25104 isolated from an English bulldog suffering from otitis externa: complete genome sequence.** *Microbiology Resource Announcements* 13(1): e0062423. <http://dx.doi.org/10.1128/mra.00624-23>

Borowiak, M., A. Kreitlow, B. Malorny, C. Lämmler, J. Rau, M. Plötz and A. Abdulmawjood. 2024. **Complete genome sequence of Arcanobacterium wilhelmae strain DSM 102162 isolated from the genital tract of a Rhinoceros unicornis.** *Microbiology Resource Announcements* 13(8): e0020424. <http://dx.doi.org/10.1128/mra.00204-24>

Böswald, L. F., B. Popper, D. Matzek, K. Neuhaus and J. Wenderlein. 2024. **Characterization of the gastrointestinal microbiome of the Syrian hamster (*Mesocricetus auratus*) and comparison to data from mice.** *FEBS Open Bio* 14(10): 1701-1717. <http://dx.doi.org/10.1002/2211-5463.13869>

Bredow, C., F. Thery, E. K. Wirth, S. Ochs, M. Kespoli, G. Kleinau, N. Kelm, N. Gimber, J. Schmoranzer, M. Voss, K. Klingel, J. Spranger, K. Renko, M. Ralser, M. Mülleider, A. Heuser, K.-P. Knobeloch, P. Scheerer, J. Kirwan, U. Brüning, N. Berndt, F. Impens and A. Beling. 2024. **ISG15 blocks cardiac glycolysis and ensures sufficient mitochondrial energy production during Coxsackievirus B3 infection.** *Cardiovascular research* 120(6): 644-657. <http://dx.doi.org/10.1093/cvr/cvae026>

Butzke, D., B. Bert, K. Gulich, G. Schönfelder and M. Neves. 2024. **SMAFIRA: a literature-based web tool to assist researchers with retrieval of 3R-relevant information.** *Laboratory animals / Laboratory Animal Science Association* 58(4): 369-373. <http://dx.doi.org/10.1177/00236772241237608>

C

Cambiaso-Daniel, J., H. Luze, S. Meschnark, J. Fink, I. Schreiver, T. Rappl, W. Goessler, P. Kotzbeck and L.-P. Kamolz. 2024. **Tattoo Pigment Biokinetics in vivo in a 28-Day Porcine Model: Elements Undergo Fast Distribution to Lymph Nodes and Reach Steady State after 7 Days.** *Dermatology* 240(2): 304-311. <http://dx.doi.org/10.1159/000536126>

Canbolat, P., J. Wilzopolski, S. Kaessmeyer, V. Filor, J. Vidak, M. Rüger, H.-J. Mägert, W.-G. Forssmann and W. Bäumer. 2024. **LEKTI domain 6 displays anti-inflammatory action in vitro and in a murine atopic dermatitis model.** *Journal of dermatological science* 115(1): 13-20. <http://dx.doi.org/10.1016/j.jdermsci.2024.03.004>

Carstens, G., U. Roesler, F. Reich and A. Friese. 2024. **Efficacy of organic acids, lactic and formic acid, and peracetic acid in decontaminating process water and carcasses in chicken slaughter.** *Journal of food safety* 44(4): e13153. <http://dx.doi.org/10.1111/jfs.13153>

Castle, L., M. Andreassen, G. Aquilina, M. L. Bastos, P. Boon, B. Fallico, R. FitzGerald, M. J. Frutos Fernandez, B. Grasl-Kraupp, U. Gundert-Remy, R. Gürtler, E. Houdeau, M. Kurek, H. Louro, P. Morales, S. Passamonti, M. Batke, E. Bruzell, J. Chipman, K. Cheyns, R. Crebelli, C. Fortes, P. Fürst, T. Halldorsson, J. C. LeBlanc, M. Mirat, O. Lindtnar, A. Mortensen, E. Ntzani, R. Shah, H. Wallace, M. Wright, S. Barmaz, C. Civitella, P. Georgelova, F. Lodi, E. Mazzoli, J. Rasinger, A. Maria Rincon, A. Tard, P. Zakidou and M. Younes. 2024. **Re-evaluation of saccharin and its sodium, potassium and calcium salts (E 954) as food additives.** *EFSA Journal* 22(11): e9044. <http://dx.doi.org/10.2903/j.efsa.2024.9044>

Cayer, L. G. J., T. Buhrke, J. Roberts, A. Nunnikoven, K. Sommerkorn, A. Reinhold, A. Braeuning, J. Raju, H. M. Aukema and T. Karakach. 2024. **An integrated multi-omics analysis of the effects of the food processing-induced contaminant 2-monochloropropane-1,3-diol (2-MCPD) in rat heart.** *Archives of Toxicology* 98(12): 4033-4045. <http://dx.doi.org/10.1007/s00204-024-03856-6>

Chandrasekar, V., A. J. Panicker, A. K. Dey, S. Mohammad, A. Chakraborty, S. K. Samal, A. Dash, J. Bhadra, M. Suar, M. Khare, S. P. Dakua and A. V. Singh. 2024. **Integrated approaches for immunotoxicity risk assessment: challenges and future directions.** *Discover toxicology* 1(1): 9. <http://dx.doi.org/10.1007/s44339-024-00010-w>

Chillon, T. S., M. Tuchtenhagen, M. Schwarz, J. Hackler, R. Heller, P. Kaghazian, A. Moghaddam, L. Schomburg, H. Haase, A. P. Kipp, T. Schwerdtle and M. Maares. 2024. **Determination of copper status by five biomarkers in serum of healthy women.** *Journal of trace elements in medicine and biology: organ of the Society for Minerals and Trace Elements, GMS* 84: 127441. <http://dx.doi.org/10.1016/j.jtemb.2024.127441>

Choi, J., S. Rotter, V. Ritz, C. Kneuer, P. Marx-Stoelting, M. de Lourdes Marzo Solano, A. Oertel, S. Rudzok, A. Ziková-Kloas, T. Tralau and A. Hensel. 2024. **Thresholds of adversity for endocrine disrupting substances: a conceptual case study.** *Archives of Toxicology* 98(7): 2019-2045. <http://dx.doi.org/10.1007/s00204-024-03748-9>

Fischer, B.C., D. H. Foil, A. Kadic, C. Kneuer, J. König and K. Herrmann. 2024. **Pobody's Nerfect: (Q)SAR works well for predicting bacterial mutagenicity of pesticides and their metabolites, but predictions for clastogenicity in vitro have room for improvement.** *Computational Toxicology* 30: 100318. <http://dx.doi.org/10.1016/j.comtox.2024.100318>

D

Desvars-Larrive, A., A. E. Vogl, G. A. Puspitarani, L. Yang, A. Joachim and A. Käsbohrer. 2024. **A One Health framework for exploring zoonotic interactions demonstrated through a case study.** *Nature Communications* 15(1): 5650.
<http://dx.doi.org/10.1038/s41467-024-49967-7>

Diederich, K., M. Steinfath, A. Bannach-Brown, B. Bert, D. Butzke, P. L. Wildner, M. Wurm, I. Schadock and C. Heinl. 2024. **Protocol for the systematic review of age and sex in preclinical models of age-correlated diseases.** *F1000Research* 13: 858.
<http://dx.doi.org/10.12688/f1000research.153466.1>

Diemar, M. G., M. Vinken, M. Teunis, C. A. M. Krul, F. Busquet, J. D. Zajac, H. Kandarova, R. Corvi, M. Z. Rosso, A. Kharina, L. S. Bryndum, M. Santillo, D. Bloch, O. Kucheryavenko, D. Panagiotakos, V. Rogiers, M. Beekhuijzen, A. Giusti, A. Najjar, C. Courage, T. Koenig, S. Kolle, H. Boonen, S. Dhalluin, J. Boberg, B. P. Müller, P. Kukic, M. Ritskes-Hoitinga, E. Grasselli, T. Zietek, G. Stoddart, H. J. Heusinkveld, J. V. Castell, E. Benfenati, H. Yang, S. Perera, A. Paini, N. I. Kramer, T. Hartung, M. Janssen, E. Fritzsche, D. G. J. Jennen, M. Piumatti, J. Rathman, J. Marusczyk, L. Milec and E. L. Roggen. 2024. **Report of the First ONTOX Stakeholder Network Meeting: Digging Under the Surface of ONTOX Together With the Stakeholders.** *Alternatives to Laboratory Animals*: ATLA 52(2): 117-131.
<http://dx.doi.org/10.1177/02611929231225730>

Dost, I., M. Abdel-Gilil, S. Persson, K. L. Conza, M. Oleastro, F. Alves, S. Maurischat, A. Scholtzek, C. Mazuet, L. Diancourt, T. Tenson, G. Schmoock, H. Neubauer, S. Schwarz and C. Seyboldt. 2024. **Genomic study of European Clostridioides difficile ribotype 002/sequence type 8.** *Microbial Genomics* 10(7).
<http://dx.doi.org/10.1099/mgen.0.001270>

Drude, N., K. Diederich, C. U. Duerr, N. Haase, C. Harms, F. Heppner, M. Jendrach, P. Kahnau, M. Kolesnichenko, L. Lewejohann, C. Kurreck, A. Lohan, M. A. Mall, D. Müller, S. Nagel-Riedasch, B. Opitz, L. Schaupp, G. Schönfelder, A. Weber, G. Willimsky, Y. Zang, S. P. Rosshart, A. Diefenbach and S. Jordan. 2024. **Operating and Biocontainment Procedures of a Facility for Laboratory Mice with a Natural Microbiome: Immunophenotyping Procedure.** *JoVE. Video journal* (214): e67100. <http://dx.doi.org/10.3791/67100>

Drude, N., S. Nagel-Riedasch, S. P. Rosshart, A. Diefenbach, K. Diederich, C. U. Duerr, C. Harms, F. Heppner, M. Kolesnichenko, L. Lewejohann, M. A. Mall, D. Müller, B. Opitz, S. P. Rosshart, G. Schönfelder, U. Tölch, G. Willimsky and S. Jordan. 2024. **A facility for laboratory mice with a natural microbiome at Charité – Universitätsmedizin Berlin.** *Lab animal : information, ideas, methods and materials for the animal research professional* 53(12): 351-354.
<http://dx.doi.org/10.1038/s41684-024-01474-4>

Dubbert, T., M. Meester, R. P. Smith, T. J. Tobias, I. Di Bartolo, R. John, E. Pavoni, G. Krumova-Valcheva, E. L. Sasso, C. Prigge, G. Aprea, H. May, N. Althof, G. Ianiro, J. Žmudzki, A. Dimitrova, G. L. Alborali, D. D'Angelantonio, S. Scattolini, N. Battistelli and E. Burow. 2024. **Biosecurity measures to control hepatitis E virus on European pig farms.** *Frontiers in veterinary science* 11: 1328284.
<http://dx.doi.org/10.3389/fvets.2024.1328284>

Dumit, V. I., Y. C. Liu, A. Bahl, P. Kohonen, R. C. Grafström, P. Nymark, C. Müller-Graf, A. Haase and M. Pink. 2024. **Meta-Analysis of Integrated Proteomic and Transcriptomic Data Discerns Structure–Activity Relationship of Carbon Materials with Different Morphologies.** *Advanced Science* 11(9): e2306268.
<http://dx.doi.org/10.1002/advs.202306268>

E

Ehling-Schulz, M., M. Filter, J. Zinsstag, K. Koutsoumanis, M. Ellouze, J. Teichmann, A. Hilbeck, M. Tonolla, D. Etter, K. Stärk, M. Wiedmann and S. Johler. 2024. **Risk negotiation: a framework for One Health risk analysis.** *Bulletin of the World Health Organization* 102(06): 453-456.
<http://dx.doi.org/10.2471/blt.23.290672>

Emecheta, E. E., P. M. Pfohl, W. Wohlleben, A. Haase and A. Roloff. 2024. **Desorption of Polycyclic Aromatic Hydrocarbons from Microplastics in Human Gastrointestinal Fluid Simulants–Implications for Exposure Assessment.** *ACS Omega* 9(23): 24281-24290.
<http://dx.doi.org/10.1021/acsomega.3c09380>

F

Falkenhagen, A., J. Panajotov and R. John. 2024. **Colon-derived Caco-2 cells support replication of hepatitis E virus genotype 1 strain Sar55 generated by reverse genetics.** *Virus Research* 347: 199427.
<http://dx.doi.org/10.1016/j.virusres.2024.199427>

Fiack, S., S. von Leliwa, T. Tietz and F. Kühne. 2024. **Gummi und andere Materialien: BfR-Empfehlungen zu Materialien im Lebensmittelkontakt.** *Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz* 67(9): 981-982.
<http://dx.doi.org/10.1007/s00103-024-03938-x>

Filter, M., T. Schüler and R. Ben Romdhane. 2024. **Food Safety Knowledge Exchange (FSKX) format: Current status and strategic development plans based on a SWOT analysis.** *Microbial Risk Analysis* 27-28: 100309.
<http://dx.doi.org/10.1016/j.mran.2024.100309>

Fischer, B. C., Y. Musengi, J. König, B. Sachse, S. Hessel-Pras, B. Schäfer, C. Kneuer and K. Herrmann. 2024. Matrine and Oxymatrine: evaluating the gene mutation potential using in silico tools and the bacterial reverse mutation assay (Ames test). *Mutagenesis* 39(1): 32-42.
<http://dx.doi.org/10.1093/mutage/gead032>

Frentzel, H., M. Kraemer, Y. Kelner-Burgos, L. Uelze and D. Bodi. 2024. Cereulide production capacities and genetic properties of 31 emetic *Bacillus cereus* group strains. *International journal of food microbiology* 417: 110694.

<http://dx.doi.org/10.1016/j.ijfoodmicro.2024.110694>

Friese, S., T. Heinze, F. Ebert and T. Schwerdtle. 2024. Establishment of a nonradioactive DNA ligation assay and its applications in murine tissues. *Environmental and molecular mutagenesis : journal of The Environmental Mutagen Society* 65(3-4): 106-115.
<http://dx.doi.org/10.1002/em.22602>

Friese, S., G. Ranzini, M. Tuchtenhagen, B. Hertel, K. Lossow, G. Pohl, F. Ebert, J. Bornhorst, A. P. Kipp and T. Schwerdtle. 2024. Long-term suboptimal dietary trace element supply does not affect trace element homeostasis in murine cerebellum. *Metalomics / Royal Society of Chemistry* 16(2): mfae003.
<http://dx.doi.org/10.1093/mtomcs/mfae003>

Fritsch, N., M. Aparicio-Soto, C. Curato, F. Riedel, H.-J. Thierse, A. Luch and K. Siewert. 2024. Chemical-Specific T Cell Tests Aim to Bridge a Gap in Skin Sensitization Evaluation. *Toxics* 12(11): 802.
<http://dx.doi.org/10.3390/toxics12110802>

G

Gand, M., I. Navickaite, L.-J. Bartsch, J. Grützke, S. Overballe-Petersen, A. Rasmussen, S. Otani, V. Michelacci, B. R. Matamoros, B. González-Zorn, M. S. M. Brouwer, L. Di Marcantonio, B. Bloemen, K. Vanneste, N. H. C. J. Roosens, M. AbuOun and S. C. J. De Keersmaecker. 2024. Towards facilitated interpretation of shotgun metagenomics long-read sequencing data analyzed with KMA for the detection of bacterial pathogens and their antimicrobial resistance genes. *Frontiers in Microbiology* 15: 1336532.
<http://dx.doi.org/10.3389/fmicb.2024.1336532>

Garrido-Romero, M., F. Pazos, E. Sánchez-Martínez, C. Benito, J. Á. Gómez-Ruiz, G. Borrego-Yaniz, C. Bowes, H. Broll, A. Caminero, E. Caro, M. Chagoyen, M. Chemaly, A. Fernández-Dumont, H. Gisavi, G. Gkritzali, S. Khare, A. Margolles, A. Márquez, J. Martín, C. Merten, A. Montilla, A. Muñoz-Labrador, J. Novoa, K. Paraskevopoulos, C. Payen, H. Withers, P. Ruas-Madiedo, L. Ruiz, Y. Sanz, R. Jiménez-Saiz and F. J. Moreno. 2024. Relevance of gut microbiome research in food safety assessment. *Gut microbes* 16(1): 2410476.
<http://dx.doi.org/10.1080/19490976.2024.2410476>

Gerhardt, P., S. Begall, C. Frädrich, K. Renko, A. Heinrich, J. Köhrle and Y. Henning. 2024. Low thyroxine serves as an upstream regulator of ecophysiological adaptations in Ansell's mole-rats. *Frontiers in Endocrinology* 15: 1329083.
<http://dx.doi.org/10.3389/fendo.2024.1329083>

Giulbudagian, M., B. Battisini, W. Bäumler, A. M. Blass Rico, B. Bocca, C. Brungs, M. Famele, M. Foerster, B. Gutsche, V. Houben, U. Hauri, K. Karpienko, U. Karst, L. M. Katz, N. Kluger, J. Serup, I. Schreiver, S. Schubert, S. A. S. van der Bent, C. Wolf, A. Luch and P. Laux. 2024. Lessons learned in a decade: Medical-toxicological view of tattooing. *Journal of the European Academy of Dermatology and Venereology : JEADV* 38(10): 1926-1938. <http://dx.doi.org/10.1111/jdv.20072>

Glatt, H. and W. Meini. 2024. Sulphotransferase-mediated toxification of chemicals in mouse models: effect of knockout or humanisation of SULT genes. *Essays in biochemistry* 68(4): 523-539.
<http://dx.doi.org/10.1042/ebc20240030>

Glatt, H., S. Y. Weißenberg, A. Ehlers, A. Lampen, A. Seidel, F. Schumacher, W. Engst and W. Meini. 2024. Formation of DNA Adducts by 1-Methoxy-3-indolylmethylalcohol, a Breakdown Product of a Glucosinolate, in the Mouse: Impact of the SULT1A1 Status—Wild-Type, Knockout or Humanised. *International Journal of Molecular Sciences* 25(7): 3824.
<http://dx.doi.org/10.3390/ijms25073824>

Gottschald, M. 2024. Advancing food safety through digital traceability, interoperability, harmonized data and collaborative partnerships. *Journal of Consumer Protection and Food Safety* 19(3): 257-258.
<http://dx.doi.org/10.1007/s00003-024-01522-8>

Graff, P., D. Woerz, J. Wilzopolski, A. Voss, J. Sarrazin, T. M. Blimkie, J. Weiner, O. Kershaw, P. Panwar, T. Hackett, S. Lau, D. Brömmie, D. Beule, Y.-A. Lee, R. E. W. Hancock, A. D. Gruber, W. Bäumer and S. Hedrich. 2024. Extracellular Matrix Remodeling in Atopic Dermatitis Harnesses the Onset of an Asthmatic Phenotype and Is a Potential Contributor to the Atopic March. *The Journal of investigative dermatology* 144(5): 1010-1021. e1023. <http://dx.doi.org/10.1016/j.jid.2023.09.278>

Groenewold, M., E. A. J. Bleeker, C. W. Noorlander, A. J. A. M. Sips, M. van der Zee, R. J. Aitken, J. H. Baker, M. I. Bakker, E. A. Bouman, S. H. Doak, D. Drobne, V. I. Dumit, M.-V. Florin, W. Fransman, M. M. Gonzalez, E. Heunisch, P. Isigonis, N. Jeliazkova, K. A. Jensen, T. Kuhlbusch, I. Lynch, M. Morrison, A. Porcari, I. Rodríguez-Llopis, B. M. Pozuelo, S. Resch, A. J. Säämänen, T. Serchi, L. G. Soeteman-Hernandez, E. Willighagen, M. Dusinska and J. J. Scott-Fordmand. 2024. Governance of advanced materials: Shaping a safe and sustainable future. *NanoImpact* 35: 100513.
<http://dx.doi.org/10.1016/j.impact.2024.100513>

Gvaladze, T., H. Lehnher and S. Hertwig. 2024. A bacteriophage cocktail can efficiently reduce five important *Salmonella* serotypes both on chicken skin and stainless steel. *Frontiers in Microbiology* 15: 1354696.
<http://dx.doi.org/10.3389/fmicb.2024.1354696>

H

Haake, A. F. H., T. Eisenberg, E. Heuser, K. Stollberg, M. H. Richter, J. Dreesman, M. Pfeffer, D. Hoffmann, R. G. Ulrich, L. Mundhenk and M. M. Böhmer. 2024. **Vorsicht beim Kuscheln! Ein aktueller Überblick zu Heimtierrattenübertragenen Zoonoseerreger. Berliner und Münchener tierärztliche Wochenschrift** (137): 1-17. <http://dx.doi.org/10.2376/1439-0299-2024-7>

Hammerl, J. A., M. A. Pham, S. El-Ahmad, D. Manta, C. Jäckel and S. Hertwig. 2024. Biological and genomic characterization of three psychrophilic *Y. enterocolitica* phages. *Frontiers in Microbiology* 15: 1423610. <http://dx.doi.org/10.3389/fmicb.2024.1423610>

Haug, H., L. Klein, T. Sauerwald, B. Poelke, J. Beauchamp and A. Roloff. 2024. Sampling Volatile Organic Compound Emissions from Consumer Products: A Review. *Critical reviews in analytical chemistry* 54(7): 1895-1916. <http://dx.doi.org/10.1080/10408347.2022.2136484>

Heinze, T., F. Ebert, C. Ott, J. Nagel, C. Eberhagen, H. Zischka and T. Schwerdtle. 2024. Subzero project: comparing trace element profiles of enriched mitochondria fractions from frozen and fresh liver tissue. *Analytical and Bioanalytical Chemistry: a merger of Fresenius' journal of analytical chemistry, Analusis and Quimica analitica* 416(20): 4591-4604. <http://dx.doi.org/10.1007/s00216-024-05400-y>

Herzler, M., J. Abedini, D. G. Allen, D. Germolec, J. Gordon, H.-S. Ko, J. Matheson, E. Reinke, J. Strickland, H.-J. Thierse, K. To, J. Truax, J. T. Vanselow and N. Kleinstreuer. 2024. Use of human predictive patch test (HPPT) data for the classification of skin sensitization hazard and potency. *Archives of Toxicology* 98(5): 1253-1269. <http://dx.doi.org/10.1007/s00204-023-03656-4>

Heusinkveld, H. J., E. P. Zwart, A. de Haan, A. Braeuning, J. Alarcan and L. T. M. van der Ven. 2024. The zebrafish embryo as a model for chemically-induced steatosis: A case study with three pesticides. *Toxicology: an international journal concerned with the effects of chemicals on living systems* 508: 153927. <http://dx.doi.org/10.1016/j.tox.2024.153927>

Hoffmann, M., M. Zupaniec, M. Lohmann, G.-F. BöI, R. Pieper and A. Mader. 2024. How do we feed our livestock? Knowledge, perceptions and informational needs of the public and farmers in Germany. *Frontiers in animal science* 5: 1473036. <http://dx.doi.org/10.3389/fanim.2024.1473036>

Hofmann, P., M. Achatz, K. Behrend, T. Berg, C. Busse, A. Guttmann, H. Hummrich, O. Lindtner, C. Lucks, L. Manteufel, M. Rast, I. Sarvan, B. Schmidt, K. Schmidt, C. Scholtysik and D. Walther. 2024. The first German total diet study: Analytical techniques to identify natural radionuclides in food samples. *Journal of radioanalytical and nuclear chemistry : an international journal dealing with all aspects and applications of nuclear chemistry* 333(5): 2449-2460. <http://dx.doi.org/10.1007/s10967-024-09481-y>

Hohlbaum, K., N. Andresen, P. Mieske, P. Kahnau, B. Lang, K. Diederich, R. Palme, L. Mundhenk, H. Sprekeler, O. Hellwich, C. Thöne-Reineke and L. Lewejohann. 2024. Lockbox enrichment facilitates manipulative and cognitive activities for mice. *Open Research Europe* 4: 108. <http://dx.doi.org/10.12688/openreseurope.17624.2>

Hohlbaum, K., P. Kahnau, J. Wilzopolski and C. Fischer-Tenhagen. 2024. Training Laboratory Rabbits to Refine Routine Husbandry Procedures. *JoVE. Video journal* (204): e66008. <http://dx.doi.org/10.3791/66008>

Hohlbaum, K., R. Merle, R. Warnke, S. Nagel-Riedasch, C. Thöne-Reineke and K. Ullmann. 2024. The implementation of tunnel handling in a mouse breeding facility revealed strain-specific behavioural responses. *Laboratory animals / Laboratory Animal Science Association* 58(6): 552-564. <http://dx.doi.org/10.1177/00236772231215077>

Hokajärvi, A.-M., A. Tiwari, P. Räsänen, L. Wessels, K. Rankinen, J. Juntunen, R. J. F. Grootens, H. Kuronen, A. Vepsäläinen, I. T. Miettinen, T. Huttula and T. Pitkänen. 2024. Campylobacter species, *Salmonella* serotypes and ribosomal RNA-based fecal source tracking in the Kokemäki River watershed. *Science of the Total Environment* 954: 176559. <http://dx.doi.org/10.1016/j.scitotenv.2024.176559>

Huber, N., M. Meester, E. L. Sassu, E. Waller, G. Krumova-Valcheva, G. Aprea, D. D'Angelantonio, V. Zoche-Golob, S. Scattolini, E. Mariott, R. Piers, Smith, E. Burow and G. Correia Carreira. 2024. Biosecurity measures reducing *Salmonella* spp. and hepatitis E virus prevalence in pig farms: A systematic review and meta-analysis. *Frontiers in veterinary science* 11: 1494870. <http://dx.doi.org/10.3389/fvets.2024.1494870>

I

Ivanova, M., A. Ovsepian, P. Leekitcharoenphon, A. M. Seyfarth, H. Mordhorst, S. Otani, S. Koeberl-Jelovcan, M. Milanov, G. Kompes, M. Liapi, T. Černý, C. T. Vester, A. Perrin-Guyomard, J. A. Hammerl, M. Grobbel, E. Valkanou, S. Jánosi, R. Slowey, P. Alba, V. Carfora, J. Avsejenko, A. Pereckiene, D. Claude, R. Zerafa, K. T. Veldman, C. Boland, C. Garcia-Graells, P. Wattiau, P. Butaye, M. Zajac, A. Amaro, L. Clemente, A. M. Vaduva, L.-M. Romascu, N.-M. Milita, A. Mojžišová, I. Zdovc, M. J. Z. Escribano, C. De Frutos Escobar, G. Overesch, C. Teale, G. H. Loneragan, B. Guerra, P. A. Beloeil, A. M. V. Brown, R. S. Hendriksen, V. Bortolaia and J. S. Kjeldgaard. 2024. Azithromycin resistance in *Escherichia coli* and *Salmonella* from food-producing animals and meat in Europe. *Journal of antimicrobial chemotherapy* 79(7): 1657-1667.
<http://dx.doi.org/10.1093/jac/dkae161>

J

Jäckel, C., I. Hrushetska, A. Mayer-Scholl, J. A. Hammerl, A. Johne, C. Gremse, D. Maaß, K. Nöckler and M. H. Richter. 2024. Cryptosporidium spp. in German wildlife: Detection, regional occurrence and diversity in wild boar, roe, red and fallow deer. *Heliyon* 10(21): e38548.
<http://dx.doi.org/10.1016/j.heliyon.2024.e38548>

Janzik, R., D. Borzekowski and G.-F. Böll. 2024. Investigating Seasonal Changes in Factors Associated With COVID-19 Concerns: Results From a Serial Cross-Sectional Survey Study in Germany Between 2020 and 2023. *Frontiers in Public Health* 12: 1397283.
<http://dx.doi.org/10.3389/fpubh.2024.1397283>

Janzik, R., S. Koch, G. Zamariola, D. Vrbos, M. P. White, S. Pahl and N. Berger. 2024. Exploring public risk perceptions of microplastics: Findings from a cross-national qualitative interview study among German and Italian citizens. *Risk Analysis: an international journal* 44(3): 521-535. <http://dx.doi.org/10.1111/risa.14184>

Jo, S., S. B. Park, H. Kim, I. Im, H. Noh, E.-M. Kim, K. Y. Kim, M. Oelgeschläger, J.-H. Kim and H.-J. Park. 2024. hiPSC-derived macrophages improve drug sensitivity and selectivity in a macrophage-incorporating organoid culture model. *Biofabrication* 16(3): 035021.
<http://dx.doi.org/10.1088/1758-5090/ad4c0a>

Jochum, K., A. Miccoli, C. Sommersdorf, O. Poetz, A. Braeuning, T. Tralau and P. Marx-Stoelting. 2024. Comparative case study on NAMs: towards enhancing specific target organ toxicity analysis. *Archives of Toxicology* 98(11): 3641-3658.
<http://dx.doi.org/10.1007/s00204-024-03839-7>

Johne, A., I. Szabo, J. A. Hammerl and M. Richter. 2024. Klimawandel begünstigt Zoonosen - Der Einfluss von Temperatur und Niederschlag auf zoonotische Krankheitserreger. *Fleischwirtschaft: von der Erzeugung bis zur Vermarktung von Lebensmitteln tierischen Ursprungs* 104(6): 16-21.
https://www.openagrar.de/receive/openagrar_mods_00097633

Johne, R., J. Scholz and A. Falkenhagen. 2024. Heat stability of foodborne viruses – Findings, methodological challenges and current developments. *International journal of food microbiology* 413: 110582.
<http://dx.doi.org/10.1016/j.ijfoodmicro.2024.110582>

K

Kadic, A., P. Oles, B. C. Fischer, A. E. Reetz, B. S. Sylla, K. Feiertag, V. Ritz, T. Heise, P. Marx-Stoelting, T. Tralau, K. Renko and M. d. L. M. Solano. 2024. In vitro and in vivo investigation of a thyroid hormone system-specific interaction with triazoles. *Scientific Reports* 14: 6503.
<http://dx.doi.org/10.1038/s41598-024-55019-3>

Kashobwe, L., F. Sadrabadi, A. Braeuning, P. E. G. Leonards, T. Bührke and T. Hamers. 2024. In vitro screening of understudied PFAS with a focus on lipid metabolism disruption. *Archives of Toxicology* 98(10): 3381-3395.
<http://dx.doi.org/10.1007/s00204-024-03814-2>

Kashobwe, L., F. Sadrabadi, L. Brunkens, A. C. M. F. Coelho, T. M. Sandanger, A. Braeuning, T. Bührke, M. Öberg, T. Hamers and P. E. G. Leonards. 2024. Legacy and alternative per- and polyfluoroalkyl substances (PFAS) alter the lipid profile of HepaRG cells. *Toxicology: an international journal concerned with the effects of chemicals on living systems* 506: 153862.
<http://dx.doi.org/10.1016/j.tox.2024.153862>

Kespohl, M., C. C. Goetzke, N. Althof, C. Bredow, N. Kelm, S. Pinkert, T. Bukur, V. Bukur, K. Grunz, D. Kaur, A. Heuser, M. Mülder, M. Sauter, K. Klingel, H. Weiler, N. Berndt, M. M. Gaida, W. Ruf and A. Beling. 2024. TF-FVIIa PAR2-β-Arrestin Signaling Sustains Organ Dysfunction in Coxsackievirus B3 Infection of Mice. *Arteriosclerosis, thrombosis, and vascular biology* 44(4): 843-865.
<http://dx.doi.org/10.1161/atvaha.123.320157>

Kim, H., S. K. Kim, M. Oelgeschläger and H. J. Park. 2024. Prediction of Acute Hepatotoxicity With Human Pluripotent Stem Cell-Derived Hepatic Organoids. *Current protocols* 4(4): e1015.
<http://dx.doi.org/10.1002/cpz1.1015>

Kitsara, M., M. Smajlhodžić-Deljo, L. Gurbeta Pokvic, B. Bert, N. Bubalo, S. Erden, N. H. Franco, G. Chirico, J. Gómez Raja, F. Gonzalez-Uarquin, A. Lang, N. Linklater, S. Mojsova, I. A. S. Olsson, I. Sandvig, A. Schaffert, M. Schmit, S. Schober, B. Sevastre, D. Wilflingseder, A. Ahluwalia and W. Neuhaus. 2024. Introducing the COST Action 'Improving the Quality of Biomedical Science with 3Rs Concepts' (IMPROVE). *Alternatives to laboratory animals : ATLA* 52(6): 326-333.
<http://dx.doi.org/10.1177/02611929241286024>

Kivali, V., K. Roesel, I. Dohoo, L. Alinaitwe, J. K. Bugeza, J. J. Hoona, D. R. Mugizi, C. Kankya, S. Dang-Xuan, I. Szabo, U. Rösler, A. Friese and E. A. J. Cook. 2024. Non-typhoidal *Salmonella* among slaughterhouse workers and in the pork value chain in selected districts of Uganda. *Frontiers in veterinary science* 11: 1427773. <http://dx.doi.org/10.3389/fvets.2024.1427773>

Klein, L. M., J. Lamp, C. Schopf, A. M. Gabler, F. Kaltner, C. Guldmann, M. Rychlik, C. Schwake-Anduschus, K. Knappstein and C. Gottschalk. 2024. Pyrrolizidine alkaloids and tropane alkaloids in milk samples from individual dairy farms of the German federal states of Bavaria and Schleswig-Holstein. *Food additives and contaminants : Part A: Chemistry, analysis, control, exposure & risk assessment* 41(6): 629-647. <http://dx.doi.org/10.1080/19440049.2024.2336054>

Klevenhusen, F., A. These, K. Weiß, H.-J. Gusovius and R. Pieper. 2024. Ensiling conditions and changes of cannabinoid concentration in industrial hemp. *Archives of animal nutrition* 78(3): 242-253. <http://dx.doi.org/10.1080/1745039x.2024.2383216>

Klier, C. M., C. Princk, M. H. Richter, E. Luge, A. Mayer-Scholl, M. Mylius, K. M. Meyer-Schlinkmann, S. Rettenbacher-Riefler, M. Monazahian, A. Baillot, R. G. Ulrich and J. Dreesman. 2024. Anti-Leptospira Seroprevalence and Associated Risk Factors among Forestry Workers in Lower Saxony, North-West Germany. *Microorganisms* 12(7): 1262. <http://dx.doi.org/10.3390/microorganisms12071262>

Knoop, K., L. M. Klein, A. M. Knispel, F. Kaltner, C. Gottschalk, K. Knappstein, J. Saltzmann and S. Dänicke. 2024. Dose-response study on the transfer of pyrrolizidine alkaloids from a tansy ragwort extract (*Jacobaea vulgaris* Gaertn.) to bovine milk. *Food additives and contaminants : Part A: Chemistry, analysis, control, exposure & risk assessment* 41(9): 1144-1157. <http://dx.doi.org/10.1080/19440049.2024.2371941>

Kochs, S., L. Panse, S. Schiewe, U. Schlegel, A. Schreiber, A. Alsarahni, U. Hauri and I. Schreiver. 2024. Adaption of in vitro and in chemico phototoxicity tests for tattoo pigments and the effect of adsorption of the phototoxic contaminant benzo[a]pyrene to carbon black. *Journal of photochemistry and photobiology* 23: 100249. <http://dx.doi.org/10.1016/j.jppaw.2024.100249>

Kromer, C., A. Katz, I. Feldmann, P. Laux, A. Luch and H. R. Tschiche. 2024. A targeted fluorescent nanosensor for ratiometric pH sensing at the cell surface. *Scientific Reports* 14(1): 12302. <http://dx.doi.org/10.1038/s41598-024-62976-2>

Kuklya, A., B. Poelke, K. Michna, S. Lehmann, O. Kappenstein, I. Sarvan, A. Luch, A. Roloff and T. Bruhn. 2024. A multi-technique approach for the quantification of 60 plasticizers and selected additives using GC- and LC-MS/MS and its application for beverages in the BfR MEAL study. *Food Chemistry: an international journal* 446: 138874. <http://dx.doi.org/10.1016/j.foodchem.2024.138874>

Kumar, S., D. Deepika, K. Slater and V. Kumar. 2024. AOPWIKI-EXPLORER: An interactive graph-based query engine leveraging large language models. *Computational Toxicology* 30: 100308. <http://dx.doi.org/10.1016/j.comtox.2024.100308>

Kunnen, S. J., E. Arnesdotter, C. T. Willenbockel, M. Vinken and B. van de Water. 2024. Qualitative and quantitative concentration-response modelling of gene co-expression networks to unlock hepatotoxic mechanisms for next generation chemical safety assessment. *ALTEX - Alternatives to animal experimentation* 41(2): 213-232. <http://dx.doi.org/10.14573/altex.2309201>

Kürekci, C., M. Yüksel, B. G. Celil Ozaslan, S. Tan, C. Jäckel, M. Grobbel and J. A. Hammerl. 2024. Diversity and Resistance Profiles of ESBL-Producing Gram-Negative Bacteria from Dairy Farms in Southern Türkiye. *Antibiotics* 13(12): 1134. <http://dx.doi.org/10.3390/antibiotics13121134>

L

Lamarter, M. C., M. Borowiak, P. Kutzer, P. Schlieben, I. Szabo and J. Fischer. 2024. *Salmonella enterica* subsp. *enterica* serovar Paratyphi B from mute swan (*Cygnus olor*): complete genome sequence features point towards invasive variant potential. *Microbiology Resource Announcements* 13(7): e0105623. <http://dx.doi.org/10.1128/mra.01056-23>

Langner, T., D. Otranto, M. A. Bezerra-Santos, J. Franzen, A. Johne, D. Tonanzi, M. Pfeffer and S. Birka. 2024. Detection of *Spirocerca lupi* and an unknown *Trichinella*-like nematode in raccoon (*Procyon lotor*). *International journal for parasitology : Parasites and Wildlife* 23: 100911. <http://dx.doi.org/10.1016/j.ijppaw.2024.100911>

Lauwereyns, J., J. Bajramovic, B. Bert, S. Camenzind, J. De Kock, A. Elezović, S. Erden, F. Gonzalez-Uarquin, Y. I. Ulman, O. I. Hoffmann, M. Kitsara, N. Kostomitsopoulos, W. Neuhaus, B. Petit-Demouliere, S. Pollo, B. Riso, S. Schober, A. Sotiropoulos, A. Thomas, A. Vitale, D. Wilflingseder and A. Ahluwalia. 2024. Toward a common interpretation of the 3Rs principles in animal research. *Lab animal : information, ideas, methods and materials for the animal research professional* 53(12): 347-350. <http://dx.doi.org/10.1038/s41684-024-01476-2>

Lehmann, A., I. Geburek, S. Hessel-Pras, A.-M. Enge, H. Mielke, C. Müller-Graf, C. Kloft and C. Hethey. 2024. PBTK model-based analysis of CYP3A4 induction and the toxicokinetics of the pyrrolizidine alkaloid retrorsine in man. *Archives of Toxicology* 98(6): 1757-1769. <http://dx.doi.org/10.1007/s00204-024-03698-2>

Lerch, S., R. Siegenthaler, J. Numata, J.-L. Mönning, F. Dohme-Meier and M. Zennegg. 2024. Accumulation Rate, Depuration Kinetics, and Tissue Distribution of Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (PCDD/Fs) in Suckler Ewes (*Ovis aries*). *Journal of Agricultural and Food Chemistry* 72(26): 14941-14955. <http://dx.doi.org/10.1021/acs.jafc.4c02626>

Li, Y., D. Deng, C. T. Höfer, J. Kim, W. D. Heo, Q. Xu, X. Liu and Z. Zi. 2024. Liebig's law of the minimum in the TGF- β /SMAD pathway. *PLoS Computational Biology* 20(5): e1012072.

<http://dx.doi.org/10.1371/journal.pcbi.1012072>

Liebmann, L., J. Baesler, N. Bandow, A. Duffek, M. Herzler, M. Kolossa-Gehring, P. Marx-Stölting, C. Röhle and T. Tralau. 2024. Europäische Partnerschaft zur Bewertung von Risiken durch Chemikalien (PARC) – Deutschlands Beitrag im Überblick. *Umwelt und Mensch Informationsdienst: UMID* 1/2024: 37-49. https://www.umweltbundesamt.de/sites/default/files/medien/362/dokumente/umid_artikel_parc_deutschlands_beitrag_im_ueberblick.pdf

Lienen, T., R. H. Mateus-Vargas, J. Steinhoff-Wagner, M. H. Richter and S. Maurischat. 2024. High toxinogenic potential of *Staphylococcus aureus* from wild ungulates in Brandenburg, Germany with a low level of antibiotic resistance. *Frontiers in veterinary science* 11: 1445413.

<http://dx.doi.org/10.3389/fvets.2024.1445413>

Lindekamp, N., N. Triesch, S. Rohn and S. Weigel. 2024. Quantification of sixteen cannabinoids in hemp seed edible oils and the influence of thermal processing on cannabinoid contents and profiles. *Food additives and contaminants : Part A: Chemistry, analysis, control, exposure & risk assessment* 41(5): 550-562.

<http://dx.doi.org/10.1080/19440049.2024.2319270>

Lindekamp, N., S. Weigel, B. Sachse, B. Schäfer, S. Rohn and N. Triesch. 2024. Comprehensive analysis of 19 cannabinoids in commercial CBD oils: concentrations, profiles, and safety implications. *Journal of Consumer Protection and Food Safety* 19(3): 259-267.

<http://dx.doi.org/10.1007/s00003-024-01513-9>

Loeffler, C. R. and A. Gadicherla. 2024. First purported images of ciguatoxin-3C by cryogenic and transmission electron microscopy. *Journal of molecular structure* 1296(Part 1): 136842.

<http://dx.doi.org/10.1016/j.molstruc.2023.136842>

Loeffler, C. R. and A. Spielmeyer. 2024. Faster ciguatoxin extraction methods for toxicity screening. *Scientific Reports* 14(1): 21715.

<http://dx.doi.org/10.1038/s41598-024-72708-1>

Lörchner, C., C. Fauhl-Hassek, M. A. Glomb, V. Baeten, J. A. Fernández Pierna and S. Esslinger. 2024.

Comparison of Spectroscopic Techniques Using the Adulteration of Pumpkin Seed Oil as Example. *Food analytical methods* 17(2): 332-347.

<http://dx.doi.org/10.1007/s12161-023-02568-4>

Louro, H., A. Vettorazzi, A. López de Cerain, A. Spyropoulou, A. Solhaug, A. Straumfors, A.-C. Behr, B. Mertens, B. Žegura, C. K. Faæste, D. Ndiaye, E. Spilioti, E. Varga, E. Dubreil, E. Borsos, F. Crudo, G. S. Eriksen, I. Snapkov, J. Henri, J. Sanders, K. Machera, L. Gaté, L. Le Hegarat, M. Novak, N. M. Smith, S. Krapf, S. Hager, V. Fessard, Y. Kohl, M. J. Silva, H. Dirven, J. Dietrich and D. Marko. 2024. Hazard characterization of *Alternaria* toxins to identify data gaps and improve risk

assessment for human health. *Archives of Toxicology* 98(2): 425-469.
<http://dx.doi.org/10.1007/s00204-023-03636-8>

M

Maertens, A., E. Antignac, E. Benfenati, D. Bloch, E. Fritsche, S. Hoffmann, J. Jaworska, G. Loizu, K. McNally, P. Piechota, E. L. Roggen, M. Teunis and T. Hartung. 2024. The probable future of toxicology - probabilistic risk assessment. *ALTEX - Alternatives to animal experimentation* 41(2): 273-281.
<http://dx.doi.org/10.14573/altex.2310301>

Mallock, N., T. Schulz, S. Malke, N. Dreiack, P. Laux and A. Luch. 2024. Levels of nicotine and tobacco-specific nitrosamines in oral nicotine pouches. *Tobacco control* 33(2): 193-199.
<http://dx.doi.org/10.1136/tc-2022-057280>

Mallock-Ohnesorg, N., A. Rabenstein, Y. Stoll, M. Gertzen, B. Rieder, S. Malke, N. Burgmann, P. Laux, E. Pieper, T. Schulz, K. Franzen, A. Luch and T. Rüther. 2024. Small pouches, but high nicotine doses—nicotine delivery and acute effects after use of tobacco-free nicotine pouches. *Frontiers in Pharmacology* 15: 1392027.
<http://dx.doi.org/10.3389/fphar.2024.1392027>

Manfreda, C., A. Kaesbohrer, S. Schmoger, T. Skladnikiewicz-Ziemer, M. Grobbel and A. Irrgang. 2024. Rare Plasmid-Mediated AmpC Beta-Lactamase DHA-1 Located on Easy Mobilized IS26-Related Genetic Element Detected in *Escherichia coli* from Livestock and Food in Germany. *Microorganisms* 12(3): 632.
<http://dx.doi.org/10.3390/microorganisms12030632>

Marggraf, M., A. Barac, J. A. Hammerl and S. Hertwig. 2024. Improvement of the EN ISO 10273:2017 method for the cultural detection of *Yersinia enterocolitica* in meat. *Food Microbiology* 117: 104384.
<http://dx.doi.org/10.1016/j.fm.2023.104384>

Marino, S. F. and O. Daumke. 2024. Structure-based humanization of a therapeutic antibody for multiple myeloma. *Journal of molecular medicine* 102(9): 1151-1161. <http://dx.doi.org/10.1007/s00109-024-02470-4>

Mateus-Vargas, R. H., V. Arias-Pérez, I. Sandoval-Hernández, J. A. Hammerl and E. Barquero-Calvo. 2024. American crocodiles (*Crocodylus acutus*: Reptilia: Crocodylidae) visiting the facilities of a freshwater aquaculture of the Northern Pacific region, Costa Rica, carry tetracycline-resistant *Escherichia coli*. *Frontiers in veterinary science* 11: 1374677.
<http://dx.doi.org/10.3389/fvets.2024.1374677>

Mathisen, G. H., A. Bearth, L. B. Jones, S. Hoffmann, G. E. Vist, H. M. Ames, T. Husøy, C. Svendsen, K. Tsaioun, T. Ashikaga, D. Bloch, A. Cavoski, W. A. Chiu, H. G. Davies, A. Giusti, T. Hartung, Y. Hirabayashi, H. T. Hogberg, R. Joglekar, H. Kojima, K. Krishnan, S. Kwon, O. J. Osborne, E. Roggen, A. A. Rooney, C. Rousselle, J. B. Sass, O. Sepai, U. Simanainen, K. A. Thayer, W. Tong, D. Wikoff, F. Wright and P. Whaley. 2024. Time

for CHANGE: system-level interventions for bringing forward the date of effective use of NAMs in regulatory toxicology. *Archives of Toxicology* 98(8): 2299-2308.
<http://dx.doi.org/10.1007/s00204-024-03802-6>

Mbatidde, I., D. Ndoboli, D. Ayebare, D. Muloi, K. Roesel, L. Ochieng, M. Dione, B.-A. Tenhagen, S. Biryomumaisho, E. Wampande, B. Wieland, J. E. Olsen and A. Moodley. 2024. Antimicrobial use and antimicrobial resistance in *Escherichia coli* in semi-intensive and free-range poultry farms in Uganda. *One health* 18: 100762.
<http://dx.doi.org/10.1016/j.onehlt.2024.100762>

Menzel, J., G. Kreutz, H.-C. Jabusch, H. Becher, L. Krist, T. Keil, F. Borngräber, A. Schmidt, S. N. Willich, I. Fernholz and C. Weikert. 2024. Musical activity in a subsample of the German National Cohort study. *Scientific Reports* 14(1): 14069.
<http://dx.doi.org/10.1038/s41598-024-64773-3>

Mesa-Varona, O., C. Plaza-Rodríguez, L. Valentín and M. Filter. 2024. **WarenstromInfo: a tool for the easy extraction and visualisation of trade flow data.** *Research Ideas and Outcomes* 10: e112227.
<http://dx.doi.org/10.3897/rio.10.e112227>

Mhaouty-Kodja, S., D. Zalko, S. Tait, E. Testai, C. Viguié, E. Corsini, N. Grova, F. M. Buratti, N. J. Cabaton, L. Coppola, A. De la Vieja, M. Dusinska, N. El Yamani, V. Galbiati, P. Iglesias-Hernández, Y. Kohl, A. Maddalon, F. Marcon, L. Naulé, E. Rundén-Pran, F. Salani, N. Santori, M. Torres-Ruiz, J. D. Turner, O. Adamovsky, K. Aiello-Holden, H. Dirven, H. Louro and M. J. Silva. 2024. A critical review to identify data gaps and improve risk assessment of bisphenol A alternatives for human health. *Critical reviews in Toxicology* 54(10): 696-753.
<http://dx.doi.org/10.1080/10408444.2024.2388712>

Mira, N. P., R. Marshall, M. J. F. Pinheiro, R. Dieckmann, S. A. Dahouk, N. Skroza, K. Rudnicka, P. A. Lund and D. De Biase. 2024. On the potential role of naturally occurring carboxylic organic acids as anti-infective agents: opportunities and challenges. *International journal of infectious diseases* 140: 119-123.
<http://dx.doi.org/10.1016/j.ijid.2024.01.011>

Mohimont, L., C. Anagnostopoulos, M. Anastassiadou, A. F. Castoldi, A. Cavelier, T. Coja, P. Craig, F. Crivellente, B. Dujardin, A. Hart, W. Hooghe, S. Jarrah, K. Machera, E. Menegola, F. Metruccio and C. Sieke. 2024. Retrospective cumulative dietary risk assessment of craniofacial alterations by residues of pesticides. *Reproductive toxicology* 130: 108741.
<http://dx.doi.org/10.1016/j.reprotox.2024.108741>

Monien, B. H., N. Bergau, F. Gauch, C. Weikert and K. Abraham. 2024. Internal exposure to heat-induced food contaminants in omnivores, vegans and strict raw food eaters: biomarkers of exposure to acrylamide (hemoglobin adducts, urinary mercapturic acids) and new insights on its endogenous formation. *Archives of Toxicology* 98(9): 2889-2905.
<http://dx.doi.org/10.1007/s00204-024-03798-z>

Moro, P. A., F. Maida, R. Solimini, L. Spizzichino, C. G. G. M. Pauwels, E. Pieper and A. Havermans. 2024. **Urgent health concerns: Clinical issues associated with accidental ingestion of new metal-blade-containing sticks for heated tobacco products.** *Tobacco Prevention & Cessation* 10(July): 31.
<http://dx.doi.org/10.18332/tpc/190634>

N

Ningrum, S. G., A. Kreitlow, C. Lämmler, G. Foster, M. Borowiak, P. Wragg, M. Plötz and A. Abdulmawjood. 2024. **Molecular Characterisation of an Arcanobacterium sp. Isolate from a Buffalo (Bubalus bubalis).** *Journal of buffalo science* 13: 150-157.
<http://dx.doi.org/10.6000/1927-520x.2024.13.17>

Noszka, M., A. Strzałka, J. Muraszko, D. Hofreuter, M. Abele, C. Ludwig, K. Stingl and A. Zawilak-Pawlak. 2024. **CemR atypical response regulator impacts energy conversion in Campylobacteria.** *mSystems* 9(8): e0078424.
<http://dx.doi.org/10.1128/msystems.00784-24>

O

Odje, F., D. Meijer, E. von Coburg, J. J. J. van der Hooft, S. Dunst, M. H. Medema and A. Volkamer. 2024. **Unleashing the potential of cell painting assays for compound activities and hazards prediction.** *Frontiers in toxicology* 6: 1401036.
<http://dx.doi.org/10.3389/ftox.2024.1401036>

Ohnesorge, N., J. Wilzopolski, M. Steinbath, L. Lewejohann, S. Banneke and C. Heinl. 2024. **Assessment of the effect of tricaine (MS-222)-induced anesthesia on brain-wide neuronal activity of zebrafish (*Danio rerio*) larvae.** *Frontiers in neuroscience* 18: 1456322.
<http://dx.doi.org/10.3389/fnins.2024.1456322>

P

Paege, N., S. Feustel and P. Marx-Stoelting. 2024. **Toxicological evaluation of microbial secondary metabolites in the context of European active substance approval for plant protection products.** *Environmental Health* 23: 52.
<http://dx.doi.org/10.1186/s12940-024-01092-0>

Panajotov, J., A. Falkenhagen, A. K. Gadicherla and R. Johne. 2024. **Molecularly generated rat hepatitis E virus strains from human and rat show efficient replication in a human hepatoma cell line.** *Virus Research* 344: 199364.
<http://dx.doi.org/10.1016/j.virusres.2024.199364>

Panajotov, J., C. Mehl, R. G. Ulrich and R. Johne. 2024. **Ratten-Hepatitis-E-Virus – ein neu identifizierter Zoonoseerreger in Deutschland.** *Berliner und Münchener tierärztliche Wochenschrift* 137: 1-12.
<http://dx.doi.org/10.2376/1439-0299-2024-6>

Paul, M. B., L. Böhmert, A. F. Thünemann, K. Loeschner, L. Givelet, C. Fahrenson, A. Braeuning and H. Sieg. 2024. Influence of artificial digestion on characteristics and intestinal cellular effects of micro-, submicro- and nanoplastics. *Food and chemical toxicology* 184: 114423. <http://dx.doi.org/10.1016/j.fct.2023.114423>

Pellowski, D., F. Ebert, J. Bornhorst and T. Schwerdtle. 2024. Zinc-modulated bidirectional copper transfer across the blood-brain barrier in a porcine brain capillary endothelial cell culture model system. *Journal of trace elements in medicine and biology: organ of the Society for Minerals and Trace Elements, GMS* 86: 127547. <http://dx.doi.org/10.1016/j.jtemb.2024.127547>

Pellowski, D., T. Heinze, M. Tuchtenhagen, S. M. Müller, S. Meyer, M. Maares, C. Gerbracht, C. Wernicke, H. Haase, A. P. Kipp, T. Grune, A. F. H. Pfeiffer, K. Mai and T. Schwerdtle. 2024. Fostering healthy aging through selective nutrition: A long-term comparison of two dietary patterns and their holistic impact on mineral status in middle-aged individuals—A randomized controlled intervention trial in Germany. *Journal of trace elements in medicine and biology: organ of the Society for Minerals and Trace Elements, GMS* 84: 127462.

<http://dx.doi.org/10.1016/j.jtemb.2024.127462>

Perestrelo, S., K. Schwerbel, S. Hessel-Pras, B. Schäfer, M. Kaminski, O. Lindtner and I. Sarvan. 2024. Results of the BfR MEAL Study: Acrylamide in foods from the German market with highest levels in vegetable crisps. *Food Chemistry*: X 22: 101403.

<http://dx.doi.org/10.1016/j.fochx.2024.101403>

Pieper, C., N. Engel, K. Wend, C. Kneuer and S. Martin. 2024. In Vitro Human Dermal Absorption Studies on Pesticides in Complex Mixtures: Investigation of Guidance Criteria and Possible Impact Parameters. *Toxics* 12(4): 248.

<http://dx.doi.org/10.3390/toxics12040248>

Pirow, R., U. Bernauer, A. Blume, A. Cieszynski, G. Flingelli, A. Heiland, M. Herzler, B. Huhse, C. Riebeling, E. Rosenthal, M. Sy, T. Tietz, A. Trubiroha and A. Luch. 2024. Mono-n-hexyl phthalate: exposure estimation and assessment of health risks based on levels found in human urine samples. *Archives of Toxicology* 98(11): 3659-3671.

<http://dx.doi.org/10.1007/s00204-024-03835-x>

Pirow, R., N. Concin and K. Grob. 2024. Evidence for an accumulation of mineral oil saturated hydrocarbons (MOSH) in human tissues: a re-evaluation of biopsy and autopsy data. *Journal of Consumer Protection and Food Safety* 19(1): 81-88.

<http://dx.doi.org/10.1007/s00003-023-01458-5>

Pont, C., A. Sampietro, F. J. Pérez-Areales, N. Cristiano, A. Albalat, B. Pérez, M. Bartolini, A. De Simone, V. Andrisano, M. Barenys, E. Teixidó, R. Sabaté, M. I. Loza, J. Brea and D. Muñoz-Torrero. 2024. Stepwise Structural Simplification of the Dihydroxyanthraquinone Moiety of a Multitarget

Rhein-Based Anti-Alzheimer Lead to Improve Drug Metabolism and Pharmacokinetic Properties.

Pharmaceutics 16(8): 982. <http://dx.doi.org/10.3390/pharmaceutics16080982>

Projahn, M., S. Schumann, S. Müller, M. Ferl, H. Scholz, A. Göhler, E. Schuh and M. Borowiak. 2024. Draft genome sequence of a Shiga toxin-producing *Escherichia coli* strain from deer meat showing an IS-element integration in the B-subunit of the Shiga toxin Stx2b gene. *Microbiology Resource Announcements* 13(6): e0109323.

<http://dx.doi.org/10.1128/mra.01093-23>

Pronk, T. E., R. P. J. Hoondert, S. A. E. Kools, V. Kumar and M. L. de Baat. 2024. Bioassay predictive values for chemical health risks in drinking water. *Environment International* 188: 108733.

<http://dx.doi.org/10.1016/j.envint.2024.108733>

Purece, A., S. T. Thomsen, D. Plass, A. Spyropoulou, K. Machera, P. Palmont, A. Crépet, R. Benchrih, B. Devleesschauwer, N. Wieland, P. Scheepers, D. Deepika, V. Kumar, G. Sanchez, J. Bessems, D. Piselli and J. Buekers. 2024. A preliminary estimate of the environmental burden of disease associated with exposure to pyrethroid insecticides and ADHD in Europe based on human biomonitoring. *Environmental Health* 23: 91.

<http://dx.doi.org/10.1186/s12940-024-01131-w>

R

Rahman, R., J. M. Fouhse, T. Ju, Y. Fan, C. S. Marcolla, R. Pieper, R. K. Brook and B. P. Willing. 2024. A comparison of wild boar and domestic pig microbiota does not reveal a loss of microbial species but an increase in alpha diversity and opportunistic genera in domestic pigs. *Microbiology Spectrum* 12(10): e0084324.

<http://dx.doi.org/10.1128/spectrum.00843-24>

Rashidian, A., J. Dušek, M. Drastik, L. Smutná, K. Fritsche, A. Braeuning, D. Pijnenburg, R. van Beuningen, P. Honkakoski, A. Poso, T. Kronenberger and P. Pavek. 2024. Filling the Blank Space: Branched 4-Nonylphenol Isomers Are Responsible for Robust Constitutive Androstane Receptor (CAR) Activation by Nonylphenol. *Environmental Science & Technology* 58(16): 6913-6923.

<http://dx.doi.org/10.1021/acs.est.3c10096>

Reichmann, R., M. B. Schulze, T. Pischeda, C. Weikert and K. Aleksandrova. 2024. Biomarker signatures associated with ageing free of major chronic diseases: results from a population-based sample of the EPIC-Potsdam cohort. *Age & ageing: the journal of the British Geriatrics Society and the British Society for Research on Ageing* 53(Supplement_2): ii60-ii69.

<http://dx.doi.org/10.1093/ageing/afae041>

Reynolds, J. I., J. Choi and B. P. Johnson. 2024. **Crowdsourcing AOP development: Leveraging the thesis literature review to identify knowledge gaps and facilitate research translation.** *Current Research in Toxicology* 7: 100191.
<http://dx.doi.org/10.1016/j.crtox.2024.100191>

Richter, A., M. Rüdiger, D. M. Schumacher and C. Kürbis. 2024. **ICP-OES analysis of Lithium in honey, royal jelly, bee bread, propolis, and bees following microwave-assisted sample preparation.** *Journal of Consumer Protection and Food Safety* 19(4): 455-460.
<http://dx.doi.org/10.1007/s00003-024-01527-3>

Richter, M., M. M. Böhmer, J. Metz, P. n Heinemüller, A. Johnne, E. Luge, P. Bahn, S. Diescher and K. C. Stollberg. 2024. **Bundeslandübergreifender Leptospirose-Ausbruch in Zusammenhang mit der Haltung von Farbratten.** *Epidemiologisches Bulletin: aktuelle Daten und Informationen zu Infektionskrankheiten und Public Health* 2024(27): 3-9.
<http://dx.doi.org/10.25646/12214>

Robé, C., M. Projahn, K. Boll, A. Blasse, R. Merle, U. Roesler and A. Friese. 2024. **Survival of highly related ESBL- and pAmpC- producing Escherichia coli in broiler farms identified before and after cleaning and disinfection using cgMLST.** *BMC microbiology* 24(1): 143. <http://dx.doi.org/10.1186/s12866-024-03292-7>

Rosner, B. M., S. Simon, S. Nielsen, S. Köberl-Jelovcan, P. Gymoese, D. Werber, A. Meinen, M. Pietsch, A. Flieger, J. Fischer, M. C. Lamparter, F. Küffel, F. Költringer, C. Kornschober, L. Müller, G. Falkenhorst and S. Maritschnik. 2024. **Multinational investigation of a Salmonella Umbilo outbreak reveals rocket salad and baby spinach as the likely infection vehicles, Europe, 2024.** *Eurosurveillance* 29(46): 2400728. <http://dx.doi.org/10.2807/1560-7917.Es.2024.29.46.2400728>

Roth, B. S. 2024. **Blockchain-enabled consumer engagement: an emerging pandora to safer food and enhanced consumer trust?** *Liang you shi pin ke ji* 32(4): 24-32. <http://dx.doi.org/10.16210/j.cnki.1007-7561.2024.04.003>

Russo, I., J. Fischer, L. Uelze, M. Napoleoni, G. F. Schivano, F. Andreoni, G. Brandi and G. Amagiani. 2024. **From farm to fork: Spread of a multidrug resistant *Salmonella* Infantis clone encoding blaCTX-M-1 on pESI-like plasmids in Central Italy.** *International journal of food microbiology* 410: 110490. <http://dx.doi.org/10.1016/j.ijfoodmicro.2023.110490>

S

Sadrabadi, F., J. Alarcan, H. Sprenger, A. Braeuning and T. Bührke. 2024. **Impact of perfluoroalkyl substances (PFAS) and PFAS mixtures on lipid metabolism in differentiated HepaRG cells as a model for human hepatocytes.** *Archives of Toxicology* 98(2): 507-524. <http://dx.doi.org/10.1007/s00204-023-03649-3>

Sarvan, I., A. Jürgensen, M. Greiner and O. Lindtner. 2024. **How long can you store vitamins? Stability of tocopherols and tocotrienol during different storage conditions in broccoli and blueberries.** *Food Chemistry*: X 22: 101444.
<http://dx.doi.org/10.1016/j.fochx.2024.101444>

Schermuly, I. I., S. Romanet, A. K. Patra, L. Mastrototaro, A. Lemme, R. Pieper, J. Zentek and J. R. Aschenbach. 2024. **Transport of Neutral Amino Acids in the Jejunum of Pigs with Special Consideration of L-Methionine.** *Nutrients* 16(19): 3418.
<http://dx.doi.org/10.3390/nu16193418>

Schilling-Loeffler, K., R. Ben Romdhane, T. Günther and R. Johne. 2024. **Household dishwashing detergents efficiently inactivate HSV-1, but not the non-enveloped viruses HAV and MNV, while all viruses were removed from glass by manual scrubbing.** *Food Microbiology* 118: 104404.
<http://dx.doi.org/10.1016/j.fm.2023.104404>

Schlegel, L., A. S. Kleine, M. G. Doherr and C. Fischer-Tenhagen. 2024. **How to see stress in chickens: On the way to a Stressed Chicken Scale.** *Poultry science* 103(8): 103875.
<http://dx.doi.org/10.1016/j.psj.2024.103875>

Schmauder, F., D. Schütz, M. Creydt, J. Riedl and M. Fischer. 2024. **Food authentication goes green: Determination of the geographical origin of grain maize (*Zea mays* L.) using direct analysis in real time mass spectrometry (DART-MS).** *Food control* 163: 110489. <http://dx.doi.org/10.1016/j.foodcont.2024.110489>

Schubert, S., S. Forkel, C. Apfelbacher, M. Beigi, K. Siewert and K. Hartmann. 2024. **Patch testing sodium tetrachloropalladate is a better means to detect palladium sensitisation than palladium chloride—Results of a clinical–epidemiological study of the Information Network of Departments of Dermatology (IVDK) from 2003 to 2022.** *Contact dermatitis* 91(6): 533-535. <http://dx.doi.org/10.1111/cod.14695>

Schubert, S., U. Hauri, C. Wolf, U. Karst, K. Siewert and I. Schreiver. 2024. **Aktuelles zu Tätowierfarben und regulatorischen Vorgaben: Bedeutung für die allergologische Abklärung.** *Aktuelle Dermatologie* 50(12): 552-563.
<http://dx.doi.org/10.1055/a-2341-8497>

Schubert, S., C. Wolf, I. Schreiver, K. Siewert and U. Karst. 2024. **Tattoo allergy—diagnosis on a circuitous route?** *Allergo journal international* 33(2): 60-66.
<http://dx.doi.org/10.1007/s40629-023-00280-7>

Schwartz, K., M. Borowiak, E. Strauch, C. Deneke, M. H. Richter and T. G. A. S. Group. 2024. **Emerging *Aeromonas* spp. infections in Europe: characterization of human clinical isolates from German patients.** *Frontiers in Microbiology* 15: 1498180.
<http://dx.doi.org/10.3389/fmicb.2024.1498180>

Schwarz, A., T. Sellnow, J. Geppert and D. D. Sellnow. 2024. **Protective action as an enduring keystone of risk communication: Effective form, function and process of risk messaging as advocated by global higher education practitioners during a pandemic.** *Journal of contingencies and crisis management* 32(1): e12545. <http://dx.doi.org/10.1111/1468-5973.12545>

Sepe, L. P., P. Jokelainen, J. Cantlay, R. La Ragione and A. Käsbohrer. 2024. "We have to join forces..." – Current status and future European policies as discussed at the One Health EJP conference "Collaborating to face future One Health challenges in Europe". *CABI One Health: A transdisciplinary open access journal* 3(1). <http://dx.doi.org/10.1079/cabiononehealth.2024.0005>

Sieg, H., C. Schaar, N. Fouquet, L. Böhmert, A. Braeuning and A. F. Thünemann. 2024. **Particulate iron oxide food colorants (E 172) during artificial digestion and their uptake and impact on intestinal cells.** *Toxicology in Vitro: official journal of the European Society of Toxicology in Vitro* 96: 105772. <http://dx.doi.org/10.1016/j.tiv.2024.105772>

Silva-Bea, S., I. García-Meniño, S. Rey, M. Romero, J. Fernández, J. A. Hammerl, A. Mora and A. Otero. 2024. **Draft genome sequence of Klebsiella pneumoniae KLEB-33: a convergent biofilm hyperforming multiresistant strain belonging to the emerging ST16 lineage harboring multiple hypervirulence genes.** *Microbiology Resource Announcements* 13(4): e0119223. <http://dx.doi.org/10.1128/mra.01192-23>

Simon, K., N. Bartsch, L. Schneider, V. van de Weijgert, C. Hutzler, A. Luch and A. Roloff. 2024. **Polycyclic aromatic hydrocarbon skin permeation efficiency in vitro is lower through human than pigskin and decreases with lipophilicity.** *Environmental Research: a multidisciplinary journal of environmental sciences, ecology, and public health* 255: 119118. <http://dx.doi.org/10.1016/j.envres.2024.119118>

Simon, K., P. Reichardt, A. Luch, A. Roloff, K. Siewert and F. Riedel. 2024. **Less efficient skin penetration of the metal allergen Pd²⁺ compared to Ni²⁺ and Co²⁺ from patch test preparations.** *Contact dermatitis* 91(1): 11-21. <http://dx.doi.org/10.1111/cod.14569>

Singh, A. V., P. Bhardwaj, P. Laux, P. Pradeep, M. Busse, A. Luch, A. Hirose, C. J. Osgood and M. W. Stacey. 2024. **AI and ML-based risk assessment of chemicals: predicting carcinogenic risk from chemical-induced genomic instability.** *Frontiers in toxicology* 6: 1461587. <http://dx.doi.org/10.3389/ftox.2024.1461587>

Singh, A. V., P. Bhardwaj, A. K. Upadhyay, A. Pagani, J. Upadhyay, J. Bhadra, V. Tisato, M. Thakur, D. Gemmati, R. Mishra and P. Zamboni. 2024. **Navigating regulatory challenges in molecularly tailored nanomedicine.** *Exploration of biomat-x* 1(2): 124-134. <http://dx.doi.org/10.37349/ebmx.2024.00009>

Singh, A. V., V. Chandrasekar, V. M. Prabhu, J. Bhadra, P. Laux, P. Bhardwaj, A. A. Al-Ansari, O. M. Aboumarzouk, A. Luch and S. P. Dakua. 2024. **Sustainable bioinspired materials for regenerative medicine: balancing toxicology, environmental impact, and ethical considerations.** *Biomedical materials : materials for tissue engineering and regenerative medicine* 19(6): 060501. <http://dx.doi.org/10.1088/1748-605X/ad85bb>

Singh, A. V., E. Sanganyado and G. Liu. 2024. **Inaugural editorial of Discover Toxicology.** *Discover toxicology* 1(1): 1. <http://dx.doi.org/10.1007/s44339-024-00001-x>

Singh, A. V., A. Shelar, M. Rai, P. Laux, M. Thakur, I. Dosnkyi, G. Santomauro, A. K. Singh, A. Luch, R. Patil and J. Bill. 2024. **Harmonization Risks and Rewards: Nano-QSAR for Agricultural Nanomaterials.** *Journal of Agricultural and Food Chemistry* 72(6): 2835-2852. <http://dx.doi.org/10.1021/acs.jafc.3c06466>

Singh, A. V., M. Varma, M. Rai, S. Pratap Singh, G. Bansod, P. Laux and A. Luch. 2024. **Advancing Predictive Risk Assessment of Chemicals via Integrating Machine Learning, Computational Modeling, and Chemical/Nano-Quantitative Structure-Activity Relationship Approaches.** *Advanced intelligent systems* 6(4): 2300366. <http://dx.doi.org/10.1002/aisy.202300366>

Snapkow, I., N. M. Smith, E. Arnesdotter, K. Beekmann, E. B. Blanc, A. Braeuning, E. Corsini, M. Sollner Dolenc, L. P. M. Duivenvoorde, G. Sundstøl Eriksen, N. Franko, V. Galbiati, J. M. Gostner, N. Grova, A. C. Gutleb, R. Hargitai, A. W. F. Janssen, S. A. Krapf, B. Lindeman, K. Lumniczky, A. Maddalon, S. Mollerup, L. Parráková, A. Pierzchalski, R. H. H. Pieters, M. J. Silva, A. Solhaug, Y. C. M. Staal, A. Straumfors, T. Szatmári, J. D. Turner, R. J. Vandebriel and R. Barouki. 2024. **New approach methodologies to enhance human health risk assessment of immunotoxic properties of chemicals – a PARC (Partnership for the Assessment of Risk from Chemicals) project.** *Frontiers in toxicology* 6: 1339104. <http://dx.doi.org/10.3389/ftox.2024.1339104>

Sommer-Ballarini, M., T.-H. Nguyen, L. Pletsch-Borba, C. Wernicke, F. Tacke, T. Schwerdtle, D. Pellowski, J. Machann, J. Spranger, E. K. Wirth and K. Mai. 2024. **Impact of peripheral thyroid hormone balance on liver fat: insights from the NutriAct trial.** *European journal of endocrinology: EJE / official journal of the European Federation of Endocrine Societies* 191(2): 183-191. <http://dx.doi.org/10.1093/ejendo/lvae093>

Sonnenburg, A., B. van der Lugt, J. Rehn, P. Wittkowski, K. Bech, F. Padberg, D. Eleftheriadou, T. Dobrikov, H. Bouwmeester, C. Mereu, F. Graf, C. Kneuer, N. I. Kramer and T. Blümmel. 2024. **Artificial intelligence-based data extraction for next generation risk assessment: Is fine-tuning of a large language model worth the effort?** *Toxicology* 508: 153933. <http://dx.doi.org/10.1016/j.tox.2024.153933>

Spielmeyer, A., V. Blaschke and C. R. Loeffler. 2024. Fish Extract Fractionation by Solid Phase Extraction: Investigating Co-Occurring Ciguatoxins by LC-MS/MS and N2a-Bioassay. *Separations* 11(8): 238. <http://dx.doi.org/10.3390/separations11080238>

Stadion, M., S. Bergelt, T. Berg, A.-L. Klook, O. Lindtner and I. Sarvan. 2024. Unterschätzte Spurenelemente? Gehaltsdaten für Chrom, Mangan, Molybdän und Selen in Lebensmitteln der BfR-MEAL-Studie. *Ernährungs-Umschau : Forschung & Praxis* 71(10): M574-M581. <http://dx.doi.org/10.4455/eu.2024.036>

Stadion, M., K. Blume, C. Hackethal, A. Lüth, D. M. Schumacher, O. Lindtner and I. Sarvan. 2024. Germany's first Total Diet Study - Occurrence of non-dioxin-like polychlorinated biphenyls and polybrominated diphenyl ethers in foods. *Food Chemistry: X* 22: 101274. <http://dx.doi.org/10.1016/j.fochx.2024.101274>

Standvoss, K., V. Kazezian, B. R. Lewke, K. Bastian, S. Chidambaram, S. Arafat, U. Alsharif, A. Herrera-Melendez, A.-D. Knipper, B. M. S. Seco, N. Nitzan Soto, B. M. S. Seco, O. Rakitzis, I. Steinecker, P. van Kronenberg Till, F. Zarebidaki, P. Abbasi and T. L. Weissgerber. 2024. Shortcut citations in the methods section: Frequency, problems, and strategies for responsible reuse. *PLoS Biology* 22(4): e3002562. <http://dx.doi.org/10.1371/journal.pbio.3002562>

Stefanidis, K., N. Hambruch, K. Renko, C. Hindrichs, T. Walk, H. Kamp, D. Funk-Weyer and R. Landsiedel. 2024. Assessment of the Robustness and Accuracy of the Deiodinase 1 Sandell–Kolthoff Assay: A Comparative Analysis. *Applied in vitro toxicology* 10(4): 80-90. <http://dx.doi.org/10.1089/aitv.2024.0035>

Stobernack, T., N. Dommershausen, V. Alcolea-Rodríguez, R. Ledwith, M. A. Bañares, A. Haase, M. Pink and V. I. Dumit. 2024. Advancing Nanomaterial Toxicology Screening Through Efficient and Cost-Effective Quantitative Proteomics. *Small Methods* 8(12): e2400420. <http://dx.doi.org/10.1002/smtd.202400420>

Stobernack, T., T. Höper and U. M. Herfurth. 2024. How processing affects marker peptide quantification – A comprehensive estimation on bovine material relevant for food and feed control. *Food Chemistry: an international journal* 454: 139768. <http://dx.doi.org/10.1016/j.foodchem.2024.139768>

Sy, M., D. Eleftheriadou, C. Jung, O. Lindtner, S. Karakitsios, D. Sarigiannis, T. Weber, M. Kolossa-Gehring and M. Greiner. 2024. Assessment of the Long-Term Exposure to Lead in Four European Countries Using PBPK Modeling. *Exposure and Health* 16(1): 21-39. <http://dx.doi.org/10.1007/s12403-023-00535-2>

T

Tal, T., O. Myhre, E. Fritzsche, J. Rüegg, K. Craenen, K. Aiello-Holden, C. Agrillo, P. J. Babin, B. I. Escher, H. Dirven, K. Hellsten, K. Dolva, E. Hessel, H. J. Heusinkveld, Y. Hadzhiev, S. Hurem, K. Jagiello, B. Judzinska, N. Klüver, A. Knoll-Gellida, B. A. Kühne, M. Leist, M. Lislien, J. L. Lyche, F. Müller, J. K. Colbourne, W. Neuhaus, G. Pallocca, B. Seeger, I. Scharkin, S. Scholz, O. Spjuth, M. Torres-Ruiz and K. Bartmann. 2024. New approach methods to assess developmental and adult neurotoxicity for regulatory use: a PARC work package 5 project. *Frontiers in Toxicology* 6: 1359507. <http://dx.doi.org/10.3389/ftox.2024.1359507>

Tariq, F., L. Ahrens, N. A. Alygizakis, K. Audouze, E. Benfenati, P. N. Carvalho, I. Chelcea, S. Karakitsios, A. Karakoltzidis, V. Kumar, L. Mora Lagares, D. Sarigiannis, G. Selvestrel, O. Taboureau, K. Vorkamp and P. L. Andersson. 2024. Computational Tools to Facilitate Early Warning of New Emerging Risk Chemicals. *Toxics* 12(10): 736. <http://dx.doi.org/10.3390/toxics12100736>

Taylor, E., K. Artursson, L. Busani, A. Callegari, J. Cantlay, M. Caniça, E. Campling, D. Gavier-Widén, A. van de Giessen, D. Itier, H. Imberechts, H.-J. Roest, A. Jestin, L. de Juan, P. Jokelainen, A. Kaesbohrer, A. Lindberg, A. Mantovani, K. Mølbak, W. H. M. van der Poel, A. C. Poirier, L. P. Sepe, S. Morabito, J. Whitehouse, D. L. Horton and R. La Ragione. 2024. Communicating and disseminating One Health: successes of the One Health European Joint Programme. *The journal of medical microbiology* 73(7). <http://dx.doi.org/10.1099/jmm.0.001842>

Tenhagen, B.-A. 2024. Eine europäische Analyse - Antibiotikaverbrauch und Antibiotikaresistenzen bei Menschen und Tieren. *Der praktische Tierarzt* 105(5). https://www.openagrар.de/receive/openagr_mods_00102097

Tenhagen, B.-A., M. E. Wörnann, A. Gretzschel, M. Grobbel, S. Maurischat and T. Lienen. 2024. Elimination of Methicillin-Resistant *Staphylococcus aureus* from Mammary Glands of Dairy Cows by an Additional Antibiotic Treatment Prior to Dry Cow Treatment. *Microorganisms* 12(12): 2651. <http://dx.doi.org/10.3390/microorganisms12122651>

Thiel, A., F. Drews, M. Pirritano, F. Schumacher, V. Michaelis, M. Schwarz, S. Franzenburg, T. Schwerdtle, B. Michalke, A. P. Kipp, B. Kleuser, M. Simon and J. Bornhorst. 2024. Transcriptomics pave the way into mechanisms of cobalt and nickel toxicity: Nrf2-mediated cellular responses in liver carcinoma cells. *Redox Biology* 75: 103290. <http://dx.doi.org/10.1016/j.redox.2024.103290>

Thiel, A., V. Michaelis, M. Restle, S. Figge, M. Simon, T. Schwerdtle and J. Bornhorst. 2024. Single is not combined: The role of Co and Ni bioavailability on toxicity mechanisms in liver and brain cells. *Chemosphere* 357: 142091. <http://dx.doi.org/10.1016/j.chemosphere.2024.142091>

Trendelenburg, V., A. Weißenborn and K. Beyer. 2024. **Allergieprävention: Beitrag der Ernährung im ersten Lebensjahr.** *Pädiatrie up2date* 19(03): 245-261. <http://dx.doi.org/10.1055/a-1935-2625>

U

Ulrich, J.-U., L. Epping, T. Pilz, B. Walther, K. Stingl, T. Semmler and B. Y. Renard. 2024. **Nanopore adaptive sampling effectively enriches bacterial plasmids.** *mSystems* 9(3): e0094523. <http://dx.doi.org/10.1128/msystems.00945-23>

V

Valusenko-Mehrkens, R., K. Schilling-Loeffler, R. Johne and A. Falkenhagen. 2024. **VP4 Mutation Boosts Replication of Recombinant Human/Simian Rotavirus in Cell Culture.** *Viruses* 16(4): 565. <http://dx.doi.org/10.3390/v16040565>

Vink, M. J. A., J. Alarcan, J. Martens, W. J. Buma, A. Braeuning, G. Berden and J. Oomens. 2024. **Structural Elucidation of Agrochemical Metabolic Transformation Products Based on Infrared Ion Spectroscopy to Improve In Silico Toxicity Assessment.** *Chemical research in toxicology* 37(1): 81-97. <http://dx.doi.org/10.1021/acs.chemrestox.3c00316>

Vogel, A., J. Tentschert, R. Pieters, F. Bennet, H. Dirven, A. van den Berg, E. Lenssen, M. Rietdijk, D. Broßell and A. Haase. 2024. **Towards a risk assessment framework for micro- and nanoplastic particles for human health.** *Particle and fibre toxicology* 21(1): 48. <http://dx.doi.org/10.1186/s12989-024-00602-9>

Vogliano, C., G. Kennedy, S. Thilsted, M. N. N. Mbuya, W. Battista, C. Sadoff, G. White, J. K. Kim, J. Pucher, K. Koome, G. D'Cruz, K. Geagan, K. Chang, U. R. Sumaila, S. Palmer and H. Alleyway. 2024. **Regenerative aquatic foods can be a win-win for human and planetary health.** *Nature food* 5(9): 718-719. <http://dx.doi.org/10.1038/s43016-024-01043-5>

von Leliwa, S., R. Schmidt, S. Andrievskih, T. Tietz, S. Merkel, A. Luch and O. Kappenstein. 2024. **Element release from lead crystal ware and metallic hip flasks.** *Food additives and contaminants : Part A: Chemistry, analysis, control, exposure & risk assessment* 41(12): 1648-1662. <http://dx.doi.org/10.1080/19440049.2024.2406002>

von Leliwa, S. 2024. **Gesundheitliche Beurteilung von Materialien und Gegenständen für den Lebensmittelkontakt im Rahmen des Lebensmittel- und Futtermittelgesetzbuches.** *Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz* 67(8): 968-970. <http://dx.doi.org/10.1007/s00103-024-03905-6>

W

Wagenaars, F., P. Cenijn, M. Scholze, C. Frädrich, K. Renko, J. Köhrle and T. Hamers. 2024. **Screening for endocrine disrupting chemicals inhibiting monocarboxylate 8 (MCT8) transporter facilitated thyroid hormone transport using a modified nonradioactive assay.** *Toxicology in Vitro: official journal of the European Society of Toxicology in Vitro* 96: 105770. <http://dx.doi.org/10.1016/j.tiv.2023.105770>

Wainaina, M., J. F. Lindahl, A. Mayer-Scholl, C.-M. Ufermann, J.-B. Domelevo Entfellner, U. Roesler, K. Roesel, D. Grace, B. Bett and S. Al Dahouk. 2024. **Molecular and serological diagnosis of multiple bacterial zoonoses in febrile outpatients in Garissa County, north-eastern Kenya.** *Scientific Reports* 14(1): 12263. <http://dx.doi.org/10.1038/s41598-024-62714-8>

Wainaina, M., J. Wasonga and E. A. J. Cook. 2024. **Epidemiology of human and animal leptospirosis in Kenya: A systematic review and meta-analysis of disease occurrence, serogroup diversity and risk factors.** *PLoS neglected tropical diseases* 18(9): e0012527. <http://dx.doi.org/10.1371/journal.pntd.0012527>

Weikert, C. 2024. **Der Status von Spurenelementen bei veganer Ernährung.** *Lebensmittelchemie* 78(2): 46-49. <http://dx.doi.org/10.1002/llemi.202400207>

Weishaupt, A.-K., A. Gremme, T. Meiners, V. Schwantes, K. Sarnow, A. Thiel, T. Schwerdtle, M. Aschner, H. Hayen and J. Bornhorst. 2024. **Dysfunctional copper homeostasis in *Caenorhabditis elegans* affects genomic and neuronal stability.** *Redox biochemistry and chemistry* 10: 100043. <http://dx.doi.org/10.1016/j.rbc.2024.100043>

Weishaupt, A.-K., K. Lamann, E. Tallarek, A. T. Pezacki, C. D. Matier, T. Schwerdtle, M. Aschner, C. J. Chang, S. R. Stürzenbaum and J. Bornhorst. 2024. **Dysfunction in atox-1 and ceruloplasmin alters labile Cu levels and consequently Cu homeostasis in *C. elegans*.** *Frontiers in molecular biosciences* 11: 1354627. <http://dx.doi.org/10.3389/fmbo.2024.1354627>

Weishaupt, A.-K., L. Ruecker, T. Meiners, T. Schwerdtle, D. Silva Avila, M. Aschner and J. Bornhorst. 2024. **Copper-mediated neurotoxicity and genetic vulnerability in the background of neurodegenerative diseases in *C. elegans*.** *Toxicological sciences* 201(2): 254-262. <http://dx.doi.org/10.1093/toxsci/kfae092>

Wend, K., L. Zorilla, F. M. Freimoser and A. Gallet. 2024. **Microbial pesticides – challenges and future perspectives for testing and safety assessment with respect to human health.** *Environmental Health* 23: 49. <http://dx.doi.org/10.1186/s12940-024-01090-2>

Wiedemann, P. M., M. Lohmann, G.-F. BöI and F. Freudenstein. 2024. **The Criticality of Risk Generalization Beliefs. An Experimental Study on Communication About Risk of Bamboo Tableware.** *Environmental Research: a multidisciplinary journal of environmental sciences, ecology, and public health* 262(Part 2): 119919.
<http://dx.doi.org/10.1016/j.envres.2024.119919>

Wilhelmi, P., V. Haake, F. M. Zickgraf, V. Giri, P. Ternes, P. Driemert, J. Nöth, S. Scholz, M. Barenys, B. Flick, B. Birk, H. Kamp, R. Landsiedel and D. Funk-Weyer. 2024. **Molecular signatures of angiogenesis inhibitors: a single-embryo untargeted metabolomics approach in zebrafish.** *Archives of Toxicology* 98(3): 943-956.
<http://dx.doi.org/10.1007/s00204-023-03655-5>

Wohlleben, W., M. Persson, B. Suarez-Merino, A. Baun, V. Di Battista, S. Dekkers, E. P. van Someren, D. Broßell, B. Stahlmecke, M. Wiemann, O. Schmid and A. Haase. 2024. **Advanced materials earliest assessment (AMEA).** *Environmental Science: Nano* 11(7): 2948-2967. <http://dx.doi.org/10.1039/d3en00831b>

Wörmann, M. E., J. Pech, F. Reich, B.-A. Tenhagen, H. Wichmann-Schauer and T. Lienen. 2024. **Growth of methicillin-resistant *Staphylococcus aureus* during raw milk soft cheese-production and the inhibitory effect of starter cultures.** *Food Microbiology* 119: 104451.
<http://dx.doi.org/10.1016/j.fm.2023.104451>

Wuerger, L. T. D., H. Sprenger, K. Krasikova, M. Templin, A. Stahl, U. M. Herfurth, H. Sieg and A. Braeuning. 2024. **A multi-omics approach to elucidate okadaic acid-induced changes in human HepaRG hepatocarcinoma cells.** *Archives of Toxicology* 98(9): 2919-2935.
<http://dx.doi.org/10.1007/s00204-024-03796-1>

Würger, L. T. D., J. Alarcan and A. Braeuning. 2024. **Effects of marine biotoxins on drug-metabolizing cytochrome P450 enzymes and their regulation in mammalian cells.** *Archives of Toxicology* 98(5): 1311-1322.
<http://dx.doi.org/10.1007/s00204-024-03694-6>

Wyink, B., T. Gvaladze, L. M'Rabet, J. Hirnet, G. Carstens, A. Friese, F. M. Schumann-Muck, S. Hertwig, S. Kittler, M. Plötz, U. Rösler, M. Koethe and N. Langkabel. 2024. **Moderne Techniken zur Reduktion von *Campylobacter*-Belastungen in der Geflügelschlachtkette.** *Fleischwirtschaft: von der Erzeugung bis zur Vermarktung von Lebensmitteln tierischen Ursprungs* 104(1): 70-74. https://www.openagrар.de/receive/openagrар_mods_00103706
<https://content-select.com/de/portal/media/view/65a7bccf-c1f8-4b10-8080-495bac1b000f>

Z

Zarske, M., H. Q. Luu, C. Deneke, M.-T. Knüver, M. Thieck, H. T. T. Hoang, N. Bretschneider, N. T. Pham, I. Huber and K. Stingl. 2024. **Identification of knowledge gaps in whole-genome sequence analysis of multi-resistant thermotolerant *Campylobacter* spp.** *BMC Genomics* 25(1): 156.
<http://dx.doi.org/10.1186/s12864-024-10014-w>

Zarske, M., C. Werckenthin, J. C. Golz and K. Stingl. 2024. **The point mutation A1387G in the 16S rRNA gene confers aminoglycoside resistance in *Campylobacter jejuni* and *Campylobacter coli*.** *Antimicrobial agents and chemotherapy* 68(11): e008324. <http://dx.doi.org/10.1128/aac.00833-24>

Zhang, Q., T. Alter, E. Strauch, I. Eichhorn, M. Borowiak, C. Deneke and S. Fleischmann. 2024. **German coasts harbor non-O1/non-O139 *Vibrio cholerae* with clinical virulence gene profiles.** *Infection, genetics and evolution* 120: 105587.
<http://dx.doi.org/10.1016/j.meegid.2024.105587>

Ziersch, M., D. Harms, L. Neumair, A. Kurreck, R. Johne, C.-T. Bock and J. Kurreck. 2024. **Combining RNA Interference and RIG-I Activation to Inhibit Hepatitis E Virus Replication.** *Viruses* 16(9): 1378.
<http://dx.doi.org/10.3390/v16091378>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, J. Aguilera, M. Andryszkiewicz, D. Cavanna, E. Marini, S. Peluso, L. S. Cabo, R. Ferreira de Sousa and Y. Liu. 2024. **Safety evaluation of the food enzyme glucan-1,4- α -glucosidase from the non-genetically modified *Aspergillus niger* strain DP-Azh100.** *EFSA Journal* 22(11): e9082.
<http://dx.doi.org/10.2903/j.efsa.2024.9082>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, M. Andryszkiewicz, D. Cavanna, A. Criado, S. Lunardi and Y. Liu. 2024. **Safety evaluation of the food enzyme endonuclease from the non-genetically modified *Penicillium citrinum* strain NP 11-15.** *EFSA Journal* 22(10): e9032.
<http://dx.doi.org/10.2903/j.efsa.2024.9032>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, M. Andryszkiewicz, Y. Liu and S. Lunardi. 2024. **Safety evaluation of the food enzyme lysophospholipase from the genetically modified *Trichoderma reesei* strain DP-Nyc81.** *EFSA Journal* 22(7): e8936.
<http://dx.doi.org/10.2903/j.efsa.2024.8936>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, A. Criado, R. S. F. de Sousa, Y. Liu and R. A. de Nijs. 2024. Safety evaluation of an extension of use of the food enzyme pullulanase from the non-genetically modified *Pullulanibacillus naganoensis* strain AE-PL. *EFSA Journal* 22(7): e8947. <http://dx.doi.org/10.2903/j.efsa.2024.8947>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, R. A. de Nijs, G. Di Piazza and Y. Liu. 2024. Safety evaluation of an extension of use of a food enzyme containing endo-polygalacturonase, pectinesterase, pectin lyase and non-reducing end α-L-arabinofuranosidase activities from the non-genetically modified *Aspergillus niger* strain PEC. *EFSA Journal* 22(10): e9039. <http://dx.doi.org/10.2903/j.efsa.2024.9039>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, G. di Piazza and Y. Liu. 2024. Safety evaluation of an extension of use of the food enzyme α-amylase from the non-genetically modified *Bacillus amyloliquefaciens* strain AE-BAA. *EFSA Journal* 22(11): e9079. <http://dx.doi.org/10.2903/j.efsa.2024.9079>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, Y. Liu, R. A. de Nijs and G. di Piazza. 2024. Safety evaluation of a second extension of use of the food enzyme α-amylase from the non-genetically modified *Cellulosimicrobium funkei* strain AE-AMT. *EFSA Journal* 22(7): e8948. <http://dx.doi.org/10.2903/j.efsa.2024.8948>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, Y. Liu and G. di Piazza. 2024. Safety evaluation of an extension of use of the food enzyme oryzin from the non-genetically modified *Aspergillus ochraceus* strain AE-P. *EFSA Journal* 22(7): e8940. <http://dx.doi.org/10.2903/j.efsa.2024.8940>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, Y. Liu and G. di Piazza. 2024. Safety evaluation of an extension of use of the food enzyme thermolysin from the non-genetically modified *Anoxybacillus caldiproteolyticus* strain AE-TP. *EFSA Journal* 22(7): e8939. <http://dx.doi.org/10.2903/j.efsa.2024.8939>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, D. Cavanna, Y. Liu and R. Ferreira de Sousa. 2024. Safety evaluation of an extension of use of the food enzyme triacylglycerol lipase from the non-genetically modified *Rhizopus arrhizus* strain AE-TL(B). *EFSA Journal* 22(7): e8944. <http://dx.doi.org/10.2903/j.efsa.2024.8944>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, A. Chesson, L. Herman, M. Andryszkiewicz, D. Cavanna, A. Gomes, N. Kováčová, R. A. de Nijs, G. di Piazza and Y. Liu. 2024. Safety evaluation of the food enzyme endo-1,3(4)-β-glucanase from the non-genetically modified *Talaromyces versatilis* strain PF8. *EFSA Journal* 22(10): e9033. <http://dx.doi.org/10.2903/j.efsa.2024.9033>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, S. Lunardi, M. Andryszkiewicz, A. Criado and Y. Liu. 2024. Safety evaluation of the food enzyme carboxypeptidase C from the genetically modified *Aspergillus niger* strain PEG. *EFSA Journal* 22(10): e9038. <http://dx.doi.org/10.2903/j.efsa.2024.9038>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, Y. Roos, M. Andryszkiewicz, D. Cavanna, N. Kováčová, S. Peluso and R. Ferreira de Sousa. 2024. Safety evaluation of the food enzyme β-galactosidase from the genetically modified *Bacillus licheniformis* strain DSM 34099. *EFSA Journal* 22(8): e8949. <http://dx.doi.org/10.2903/j.efsa.2024.8949>

Zorn, H., J. M. Barat Baviera, C. Bolognesi, F. Catania, G. Gadermaier, R. Greiner, B. Mayo, A. Mortensen, Y. H. Roos, M. L. M. Solano, M. Sramkova, H. Van Loveren, L. Vernis, L. Vernis, D. Cavanna, R. Ferreira de Sousa and Y. Liu. 2024. Safety evaluation of an extension of use of the food enzyme β-glucosidase from the non-genetically modified *Penicillium guanacastense* strain AE-GLY. *EFSA Journal* 22(10): e9040. <http://dx.doi.org/10.2903/j.efsa.2024.9040>

XXI/2. Spezielle Bedarfsgegenstände aus Natur- und Synthesekautschuk sowie aus Latices aus Natur- und Synthesekautschuk (ehemals Sonderkategorie):

Stand vom 01.09.2024. *Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz* 67(9): 1088-1091.

<http://dx.doi.org/10.1007/s00103-024-03927-0>

XXI/1. Bedarfsgegenstände aus Natur- und Synthesekautschuk im Lebensmittelkontakt:

Stand vom 01.09.2024. *Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz* 67(9): 1080-1087.

<http://dx.doi.org/10.1007/s00103-024-03926-1>

XXI. Bedarfsgegenstände auf Basis von Natur- und Synthesekautschuk: Stand vom 01.09.2024.

Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz 67(9): 1070-1079.

<http://dx.doi.org/10.1007/s00103-024-03925-2>