



# Publikationen des FLI 2023

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## Veröffentlichungen in referierten Zeitschriften

Aaziz, R., R.L. Vinueza, F. Vorimore, C. Schnee, G. Jiménez-Uzcátegui, G. Zanella, and K. Laroucau. 2023. Avian *Chlamydia abortus* Strains Detected in Galápagos Waved Albatross (*Phoebastria irrorata*). *J Wildl Dis* **59**:143-148.

Abdel-Glil, M.Y., S. Braune, S. Bouwhuis, and L.D. Sprague. 2023. First Description of *Mergibacter septicus* Isolated from a Common Tern (*Sterna hirundo*) in Germany. *Pathogens* **12**:1096.

Abdel-Glil, M.Y., H. Hotzel, H. Tomaso, X. Didelot, C. Brandt, C. Seyboldt, J. Linde, S. Schwarz, H. Neubauer, and H. El-Adawy. 2023. Genomic epidemiology of *Campylobacter fetus* subsp. *venerealis* from Germany. *Front Vet Sci* **9**:1069062.

Abdelwhab, E.M., and T.C. Mettenleiter. 2023. Zoonotic Animal Influenza Virus and Potential Mixing Vessel Hosts. *Viruses* **15**:980.

Abnaroodheleh, F., A. Amadi, S. Dashtipour, T. Jamil, A.M. Khaneghah, and M. Dadar. 2023. Shedding rate of *Brucella* spp. in the milk of seropositive and seronegative dairy cattle. *Heliyon* **9**:e15085.

Acosta, A., K. Dietze, O. Baquero, G. Vizzotto Osowski, C. Imbacuan, A. Burbano, F. Ferreira, and K. Depner. 2023. Risk Factors and Spatiotemporal Analysis of Classical Swine Fever in Ecuador. *Viruses* **15**:288.

Adade, E., C. Roos, I.S. Chuma, A.A. Sylverken, and S. Knauf. 2023. No evidence for yaws infection in a small-scale cross-sectional serosurvey in Ghanaian monkeys. *Vet Med Sci* **9**:507-512.

Ahrens, A.K., H.-C. Selinka, C. Wylezich, H. Wonnemann, O. Sindt, H.H. Hellmer, F. Pfaff, D. Höper, T.C. Mettenleiter, M. Beer, and T.C. Harder. 2023. Investigating Environmental Matrices for Use in Avian Influenza Virus Surveillance—Surface Water, Sediments, and Avian Fecal Samples. *Microbiol Spect* **11**:e0266422.

Akinyemi, K.O., S.O. Ajoseh, A.-A. Anjorin, W.O. Salami, A.O. Lawal, M. Bassiouny, H. Neubauer, and G. Wareth. 2023. A systematic scoping review of microbial pathogens in ruminants with or without a history of abortions in Nigeria. *Ger J Vet Res* **3**(3):34-51.

Akinyemi, K.O., C.O. Fakorede, J. Linde, U. Methner, G. Wareth, H. Tomaso, and H. Neubauer. 2023. Whole genome sequencing of *Salmonella enterica* serovars isolated from humans, animals, and the environment in Lagos, Nigeria. *BMC Microbiol* **23**:164.

Alban, L., V.J. Brookes, F. Dorea, C. Sauter-Louis, and S. Dürr. 2023. Editorial: Bridging Science and Policy for Animal Health Surveillance: ICAHS4 2022. *Front Vet Sci* **10**:1285992.

Allemailem, K.S., M.A. Alsahli, A. Almatroudi, F. Alrumaihi, W. Al Abdulmonem, A.A. Moawad, W.M. Alwanian, N.M. Almansour, A.H. Rahmani, and A.A. Khan. 2023. Innovative Strategies of Reprogramming Immune System Cells by Targeting CRISPR/Cas9-Based Genome-Editing Tools: A New Era of Cancer Management. *Int J Nanomed* **18**:5531-5559.

Almasoud, I., F.W. Charlton, S. Finke, J.N. Barr, and J. Mankouri. 2023. Internalization of rabies virus glycoprotein differs between pathogenic and attenuated virus strains. *J Gen Virol* **104**:e001935.

Alves, F., K. Artursson, J. Bloch, A. Brisabois, H. Imberechts, P. Jokelainen, R.M. La Ragione, M. Lindblad, R. Litzell Forss, D. Marston, O. Parvizi, L. Tuominen, and A. Omazic. 2023. A multi-country One Health foodborne outbreak simulation exercise: cross-sectoral cooperation, data sharing and communication. *Front Public Health* **11**:1121522.

Ambagala, A., K.B. Goonewardene, L. Lamboo, C. Erdelyan, M. Fisher, K. Handel, O. Lung, S. Blome, J. King, J.H. Forth, S. Calvelage, E. Spinard, D.P. Gladue, C. Masembe, A.J. Adedeji, T.

**Olubade, N.A. Maurice, H.G. Ularamu, and P.D. Luka.** 2023. Characterization of a Novel African Swine Fever Virus p72 Genotype II from Nigeria. *Viruses* 15:915.

**Amin, N., S. Schwarzkopf, J. Tröscher-Mußotter, A. Camarinha-Silva, S. Dänicke, K. Huber, J. Frahm, and J. Seifert.** 2023. Host metabolome and faecal microbiome shows potential interactions impacted by age and weaning times in calves. *Anim Microbiome* 5:12.

**Amodeo, S., I. Bregy, A. Hoffmann, A. Fradera-Sola, M. Kern, H. Baudouin, B. Zuber, F. Butter, and T. Ochsenreiter.** 2023. Characterization of two novel proteins involved in mitochondrial DNA anchoring in *Trypanosoma brucei*. *PLoS Pathog* 19:e1011486.

**Andreopoulou, M., G. Schares, M. Koethe, I. Chaligiannis, P. Maksimov, M. Joeres, G. Cardron, T. Goroll, S. Sotiraki, A. Dausgchies, and B. Bangoura.** 2023. Prevalence and molecular characterization of *Toxoplasma gondii* in different types of poultry in Greece, associated risk factors and co-existence with *Eimeria* spp. *Parasitol Res* 122:97-111.

**Arz, C. N. Król, C. Imholt, K. Jeske, Z. Rentería-Solís, R.G. Ulrich, J. Jacob, M. Pfeffer, and A. Obiegala.** 2023. Spotted Fever Group Rickettsiae in Ticks and Small Mammals from Grassland and Forest Habitats in Central Germany. *Pathogens* 12:933.

**Aurich, S.H., J. Schneider, H. Brangsch, F. Melzer, C. Ewers, and E. Prenger-Berninghoff.** 2023. *Brucella suis* biovar 1 infection in a dog with ascending orchitis in Germany. *Front Vet Sci* 10:1233118.

**Avižinienė, A., I. Kučinskaitė-Kodžė, R. Burneikienė, A. Žvirblienė, M.L. Mertens, S. Schmidt, M. Schlegel, E. Lattwein, B. Köllner, and R.G. Ulrich.** 2023. Characterization of a Panel of Cross-Reactive Hantavirus Nucleocapsid Protein-Specific Monoclonal Antibodies. *Viruses* 15:532.

**Azam, A., S.S. Pall, I. Khan, W. Ahmad, T. Jamil, A. Rehman, M. Imran, W. Shehzad, F. Melzer, M.F. Qamar, and H. El-Adawy.** 2023. Evidence of Brucellosis in Hospitalized Patients of Selected Districts of Punjab, Pakistan. *Microbiol Res* 14:883-891.

**Baechlein, C., S. Kleinschmidt, D. Hartmann, P. Kammeyer, A. Wöhlke, T. Warmann, L. Herms, B. Köhl, A. Beineke, P. Wohlsein, T. Harder, and M. Runge.** 2023. Neurotropic Highly Pathogenic Avian Influenza A(H5N1) Virus in Red Foxes, Northern Germany. *Emerg Infect Dis* 29:2509-2512.

**Barlang, L.-A., B.-P. Mohl, C. Blaurock, S. Harder, A. Breithaupt, O.M. Merkel, A. Balkema-Buschmann, and A. Popp.** 2023. SARS-CoV-2 induced changes in the glycosylation pattern in the respiratory tract of Golden Syrian hamsters. *Acta Histochem* 125:152077.

**Barlow, C.R., B. Wilde, T.C. Harder, and M. Sanneh.** 2023. Hooded Vultures *Necrosyretes monachus* scavenge on a mass wreckage of large terns in a major HPAI outbreak in The Gambia: a photo report of scraper feeder damage to corpses. *Afrotrop Bird Biol* 3; doi:10.15641/abb.v3i.1406.

**Baselli, S., G. Pezzoni, M. Sabino, S. Grazioli, J. Wolff, B. Hoffmann, V. Shtjefni, L. Capucci, and E. Brocchi.** 2023. ELISA Methods Based on Monoclonal Antibodies for the Serological Diagnosis of Lumpy Skin Disease. *Transbound Emerg Dis* 2023:8378153.

**Bauer, B.U., M.R. Knittler, J. Andrack, C. Berens, A. Campe, B. Christiansen, A.M. Fasemore, S.F. Fischer, M. Ganter, S. Körner, G.R. Makert, S. Matthiesen, K. Mertens-Scholz, S. Rinkel, M. Runge, J. Schulze-Luehrmann, S. Ulbert, F. Winter, D. Frangoulidis, and A. Lührmann.** 2023. Interdisciplinary studies on *Coxiella burnetii*: From Molecular to Cellular, to Host, to One Health Research. *Int J Med Microbiol* 313:151590.

**Bauer, B.U., K.M. Schwecht, R. Jahnke, S. Matthiesen, M. Ganter, and M.R. Knittler.** 2023. Humoral and cellular immune responses in sheep following administration of different doses of an inactivated phase I vaccine against *Coxiella burnetii*. *Vaccine* 41:4798-4807.

**Beckmüller, E., J. Kluess, L. Hüther, S. Kersten, M. Kölln, V. Wilke, C. Visscher, S. Dänicke, and A. Grümpel-Schlüter.** 2023. Effects of dietary-reduced nitrogen (N) and phosphorus (P) on N and P

balance, retention and nutrient digestibility of contemporary fattening pigs fed *ad libitum*. Arch Anim Nutr 77:468-486.

Begum, J.A., I. Hossain, M. Nooruzzaman, J. King, E.H. Chowdhury, T.C. Harder, and R. Parvin. 2023. Experimental Pathogenicity of H9N2 Avian Influenza Viruses Harboring a Tri-Basic Hemagglutinin Cleavage Site in Sonali and Broiler Chickens. Viruses 15:461.

Bergmann, F., D. Fischer, L. Fischer, H. Maisch, T. Risch, S. Dreyer, B. Sadeghi, D. Geelhaar, L. Grund, S. Merz, M.H. Groschup, and U. Ziegler. 2023. Vaccination of Zoo Birds against West Nile Virus—A Field Study. Vaccines 11:652.

Bergmann, F., C.M. Holicki, F. Michel, S. Bock, N. Scuda, G. Priemer, S. Kenklies, T. Siempelkamp, J. Skuballa, C. Sauerwald, L. Herms, A. Muluneh, M. Peters, M.H. Groschup, S. Balal, and U. Ziegler. 2023. Reconstruction of the molecular evolution of Usutu virus in Germany: Insights into virus emersion and circulation. PLoS Neglect Trop Dis 17:e0011203.

Bergmann, F., M. Schmoock-Wellhausen, C. Fast, C.M. Holicki, F. Michel, P. Wysocki, B. Sadeghi, M.H. Groschup, and U. Ziegler. 2023. Longitudinal Study of the Occurrence of Usutu Virus and West Nile Virus Infections in Birds in a Zoological Garden in Northern Germany. Pathogens 12:753.

Bergmann, H., E.-M. Czaja, A. Frick, U. Klaat, R. Marquart, A. Rudovsky, D. Holland, P. Wysocki, D. Lehnau, R. Schröder, L. Rogoll, C. Sauter-Louis, and T. Homeier-Bachmann. 2023. Remote Sensing Provides a Rapid Epidemiological Context for the Control of African Swine Fever in Germany. Sensors 23:8202.

Bhowmick, S., J. Gethmann, F.J. Conraths, I.M. Sokolov, and H.H.K. Lentz. 2023. SEIR-Metapopulation model of potential spread of West Nile virus. Ecol Model 476:110213.

Bhowmick, S., I.M. Sokolov, and H.H.K. Lentz. 2023. Decoding the double trouble: A mathematical modelling of co-infection dynamics of SARS-CoV-2 and influenza-like illness. Biosystems 224:104827.

Blaga, R., V. Fabres, J.-J. Fontaine, E. Reyes-Gomez, A. Briand, O. Crosaz, I. Lagrange, A. Blaizot, D. Le Roux, V. Risco Castillo, P. Maksimov, J. Guillot, J.P. Teifke, and G. Schares. 2023. *Toxoplasma gondii* and *Alternaria* sp.: An Original Association in an Immunosuppressed Dog with Persistent Skin Lesions. Pathogens 12:114.

Bohe, K., S. Ortmann, C. Kaiser, D. Perez-Bravo, J. Gethmann, J. Kliemt, S. Körner, T. Theuß, T. Lindner, C. Freuling, T. Müller, and A. Vos. 2023. Efficacy of Oral Rabies Vaccine Baits Containing SPBN GASGAS in Domestic Dogs According to International Standards. Vaccines 11:307.

Bodmer, B.S., A. Breithaupt, M. Heung, J.E. Brunetti, C. Henkel, J. Müller-Guhl, E. Rodríguez, L. Wendt, S.L. Winter, M. Vallbracht, A. Müller, S. Römer, P. Chlanda, C. Muñoz-Fontela, T. Hoenen, and B. Escudero-Pérez. 2023. *In vivo* characterization of the novel ebolavirus Bombali virus suggests a low pathogenic potential for humans. Emerg Microbes Infect 12:2164216.

Bodmer, B.S., M. Vallbracht, D.S. Ushakov, L. Wendt, P. Chlanda, and T. Hoenen. 2023. Ebola virus inclusion bodies are liquid organelles whose formation is facilitated by nucleoprotein oligomerization. Emerg Microbes Infect 12:2223727.

Bohn, P., I. Waßmann, L. Wendt, A. Leske, T. Hoenen, B.A. Tews, and A. Groseth. 2023. A dsRNA-binding mutant reveals only a minor role of exonuclease activity in interferon antagonism by the arenavirus nucleoprotein. PLoS Pathog 19:e1011049.

Bost, C., J. Hartlaub, V. Pinho dos Reis, T. Strecker, N.G. Seidah, M.H. Groschup, S. Diederich, and K. Fischer. 2023. The proprotein convertase SKI-1/S1P is a critical host factor for Nairobi sheep disease virus infectivity. Virus Res 329:199099.

Brangsch, H., M.A. Horstkotte, and F. Melzer. 2023. Genotypic peculiarities of a human brucellosis case caused by *Brucella suis* biovar 5. Sci Rep 13:16586.

- Brangsch, H., V. Sandalakis, M. Babetsa, E. Boukouvala, A. Ntoula, E. Makridaki, A. Christidou, A. Psaroulaki, K. Akar, S.E. Gürbilek, T. Jamal, F. Melzer, H. Neubauer, and G. Wareth. 2023. Genotype diversity of brucellosis agents isolated from humans and animals in Greece based on whole-genome sequencing. *BMC Infect Dis* 23:529.
- Braun, H., Z. Xu, F. Chang, N. Viceconte, G. Rane, M. Levin, L. Lototska, F. Roth, A. Hillairet, A. Fradera-Sola, V. Khanchandani, Z.W. Sin, W.K. Yong, O. Dreesen, Y. Yang, Y. Shi, F. Li, F. Butter, and D. Kappei. 2023. ZNF524 directly interacts with telomeric DNA and supports telomere integrity. *Nat Commun* 14:8252.
- Breithaupt, A., F. Sick, N. Golender, M. Beer, and K. Wernike. 2023. Characterization of experimental Shuni virus infection in the mouse. *Vet Pathol* 60:341-351.
- Bublitz, A., M. Brauer, S. Wagner, W. Hofer, M. Müsken, F. Deschner, T.R. Lesker, M. Neumann-Schaal, L.-S. Paul, U. Nübel, J. Bartel, A.M. Kany, D. Zühlke, S. Bernecker, R. Jansen, S. Sievers, K. Riedel, J. Herrmann, R. Müller, T.M. Fuchs, and T. Strowig. 2023. The natural product chlorotoniil A preserves colonization resistance and prevents relapsing *Clostridioides difficile* infection. *Cell Host Microbe* 31:734-750.e8.
- Buijze, H., V. Brinkmann, R. Hurwitz, A. Dorhoi, S.H.E. Kaufmann, and G. Pei. 2023. Human GBP1 Is Involved in the Repair of Damaged Phagosomes/Endolysosomes. *Int J Mol Sci* 24:9701.
- Burgold-Voigt, S., S. Monecke, A. Busch, H. Bocklisch, S.D. Braun, C. Diezel, H. Hotzel, E.M. Liebler-Tenorio, E. Müller, M. Reinicke, A. Reissig, A. Ruppelt-Lorz, and R. Ehricht. 2023. Characterisation of a *Staphylococcus aureus* Isolate Carrying Phage-Borne Enterotoxin E from a European Badger (*Meles meles*). *Pathogens* 12:704.
- Carrau, T., A. Malakauskas, M. Masiulis, P. Bušauskas, S. Japertas, S. Blome, P. Deutschmann, V. Friedrichs, S. Pileviečienė, K. Dietze, D. Beltrán-Alcrudo, M. Hóvári, and G.A. Flory. 2023. Composting of Wild Boar Carcasses in Lithuania Leads to Inactivation of African Swine Fever Virus in Wintertime. *Pathogens* 12:285.
- Casulli, A., B. Abela-Ridder, D.P. Dstat, M.F. Dstat, D. Carmena, B. Bobić, D. Carmena, B. Šoba, E. Zerem, M.J. Gargaté, G. Kuzmanovska, C. Calomfirescu, I. Rainova, S. Sotiraki, V. Lungu, B. Dezsényi, Z. Herrador, J. Karamon, P. Maksimov, A. Oksanen, L. Millon, M. Sviben, R. Shkjezi, V. Gjoni, I. Akshija, U. Saarma, P.R. Torgerson, V. Šnábel, D. Antolová, D. Muhovic, H. Besim, F. Cherau, M.B. García, F. Chappuis, S. Gloor, M. Stoeckle, B. Müllhaupt, V.M. Dstat, A. Santoro, and F. Santolamazza. 2023. Unveiling the incidences and trends of the neglected zoonosis cystic echinococcosis in Europe: a systematic review from the MEmE project. *Lancet Infect Dis* 23:e95-e107.
- Ceron-Noriega, A., V.A.C. Schoonenberg, F. Butter, and M. Levin. 2023. AlexandrusPS: a user-friendly pipeline for the automated detection of orthologous gene clusters and subsequent positive selection analysis. *Genome Biol Evol* 15:evad187.
- Chua, B.H., N.Z. Anuar, L. Ferry, C. Domrane, V.T. Mukundan, S. Jha, F. Butter, D.G. Tenen, P.-A. Defosse, and D. Kappei. 2023. E4F1 and ZNF148 are transcriptional activators of the -57A > C and wild-type TERT promoter. *Genome Res* 33:1893-1905.
- Ciminski, K., G. Chase, M. Schwemmle, and M. Beer. 2023. Advocating a watch-and-prepare approach with avian influenza. *Nat Microbiol* 8:1603-1605.
- de Cock, M.P., A. de Vries, M. Fonville, H.J. Esser, C. Mehl, R.G. Ulrich, M. Joeres, D. Hoffmann, T. Eisenberg, K. Schmidt, M. Hulst, W.H.M. van der Poel, H. Sprong, and M. Maas. 2023. Increased rat-borne zoonotic disease hazard in greener urban areas. *Sci Total Environ* 46:165069.
- Corleis, B., M. Bastian, D. Hoffmann, M. Beer, and A. Dorhoi. 2023. Animal models for COVID-19 and tuberculosis. *Front Immunol* 14:1223260.

Corleis, B., D. Hoffmann, S. Rauch, C. Fricke, N. Roth, J. Gergen, K. Kovacicova, K. Schlottau, N.J. Halwe, L. Ulrich, J. Schön, K. Wernike, M. Widera, S. Ciesek, S.O. Müller, T.C. Mettenleiter, D. Maione, B. Petsch, M. Beer, and A. Dorhoi. 2023. Efficacy of an unmodified bivalent mRNA vaccine against SARS-CoV-2 variants in female small animal models. *Nat Commun* 14:816.

Corleis, B., C.N. Tzouanas, M.H. Wadsworth II, J.L. Cho, A.H. Linder, A.E. Schiff, B. Zessin, F. Stei, A. Dorhoi, A.K. Dickey, B.D. Medoff, A.K. Shalek, and D.S. Kwon. 2022. Tobacco smoke exposure recruits inflammatory airspace monocytes that establish permissive lung niches for *Mycobacterium tuberculosis*. *Sci Translat Med* 15:eadg3451.

Dadar, M., S. Alamian, H. Brangsch, M. Elbadawy, A.R. Elkharsawi, H. Neubauer, and G. Wareth. 2023. Determination of Virulence-Associated Genes and Antimicrobial Resistance Profiles in *Brucella* Isolates Recovered from Humans and Animals in Iran Using NGS Technology. *Pathogens* 12:82.

Dadar, M., H. Brangsch, S. Alamian, H. Neubauer, and G. Wareth. 2023. Whole-genome sequencing for genetic diversity analysis of Iranian *Brucella* spp. isolated from humans and livestock. *One Health* 16:100483.

Dafalla, M., A. Orłowska, S.J. Keleş, P. Straková, K. Schlottau, K. Jeske, B. Hoffmann, G. Wibbelt, M. Smreczak, T. Müller, C.M. Freuling, X. Wang, J. Rola, S. Drewes, S. Fereidouni, G. Heckel, and R.G. Ulrich. 2023. Hantavirus Brno loanvirus is highly specific to the common noctule bat (*Nyctalus noctula*) and widespread in Central Europe. *Virus Genes* 59:323-332.

Dähn, O., D. Werner, B. Mathieu, and H. Kampen. 2023. Development of Conventional Multiplex PCR Assays for the Identification of 21 West Palaearctic Biting Midge Taxa (Diptera: Ceratopogonidae) Belonging to the *Culicoides* Subgenus *Culicoides*, including Recently Discovered Species and Genetic Variants. *Diversity* 15:699.

Dámek, F., A. Swart, H. Waap, P. Jokelainen, D. Le Roux, G. Deksné, H. Deng, G. Schares, A. Lundén, G. Álvarez-García, M. Betson, R.K. Davidson, A. Györke, D. Antolová, Z. Hurniková, H.J. Wisselink, J. Sroka, J.W.B. van der Giessen, R. Blaga, and M. Opsteegh. 2023. Systematic Review and Modelling of Age-Dependent Prevalence of *Toxoplasma gondii* in Livestock, Wildlife and Felids in Europe. *Pathogens* 12:97.

Dänicke, S., L. Carlson, A.-K. Heymann, A. Grümpel-Schlüter, B. Doupovec, D. Schatzmayr, B. Streit, S. Kersten, and J. Kluess. 2023. Inactivation of zearalenone (ZEN) and deoxynivalenol (DON) in complete feed for weaned piglets: Efficacy of ZEN hydrolase ZenA and of sodium metabisulfite (SBS) as feed additives. *Mycotoxin Res* 39:201-218.

Dänicke, S., S. Kersten, F. Billenkamp, J. Spilke, A. Starke, and J. Saltzmann. 2023. Estimation of Oral Exposure of Dairy Cows to the Mycotoxin Deoxynivalenol (DON) through Toxin Residues in Blood and Other Physiological Matrices with a Special Focus on Sampling Size for Future Predictions. *Dairy* 4:360-391.

Davison, H.R., J. Crozier, S. Pirro, H. Kampen, D. Werner, and G.D.D. Hurst. 2023. 'Candidatus Tisiphia' is a widespread Rickettsiaceae symbiont in the mosquito *Anopheles plumbeus* (Diptera: Culicidae). *Environ Microbiol* 25:3064-3074.

Dawson, K.L.D., N. Wildi, M. Cavalli, D. Rubbenstroth, A. Oevermann, and T. Seuberlich. 2023. Feline morbillivirus infection associated with fatal encephalitis in a Bengal cat. *J Vet Int Med* 37:2510-2513.

Dekramanjan, B., F. Bartumeus, H. Kampen, J.R.B. Palmer, D. Werner, and N. Pernat. 2023. Demographic and motivational differences between participants in analog and digital citizen science projects for monitoring mosquitoes. *Sci Rep* 13:12384.

Deutschmann, P., J.-H. Forth, J. Sehl-Ewert, T. Carrau, E. Viaplana, J.C. Mancera, A. Urniza, M. Beer, and S. Blome. 2023. Assessment of African swine fever vaccine candidate ASFV-G-ΔMGF in a reversion to virulence study. *npj Vaccines* 8:78.



Didouh, N., R. Achek, F. Celandroni, E. Ghelardi, D. Mazzantini, F. Postollec, B. Moussa-Boudjemaa, L.I.I. Ouoba, H. Tomaso, J. Linde, and H. El-Adawy. 2023. Genomic Diversity and Virulence Genes Characterization of *Bacillus cereus* sensu lato Isolated from Processing Equipment of an Algerian Dairy Plant. *J Food Qual* **2023**:5703334.

Diederich, S., S. Babiuk, and H. Boshra. 2023. A Survey of Henipavirus Tropism—Our Current Understanding from a Species/Organ and Cellular Level. *Viruses* **15**:2048.

Dißmann, L., P. Reinhold, H.-J. Smith, T. Amon, A. Sergeeva, and G. Hoffmann. 2023. Evaluation of a Respiration Rate Sensor for Recording Tidal Volume in Calves under Field Conditions. *Sensors* **23**:4683.

Djokic, V., L. Freddi, F. de Massis, E. Lahti, M. van den Esker, A.M. Whatmore, A. Haughey, A.C. Ferreira, G. Garofolo, F. Melzer, F. Sacchini, A. Koets, S. Wyllie, A. Fontbonne, G. Girault, A. Ferreira Vicente, J. McGiven, and C. Ponsart. 2023. The emergence of *Brucella canis* as a public health threat in Europe: what we know, and what we need to learn. *Emerg Microbes Infect* **12**:2249126.

Dolata, K.M., W. Fuchs, G. Caignard, J. Dupré, K. Pannhorst, S. Blome, T.C. Mettenleiter, and A. Karger. 2023. CP204L Is a Multifunctional Protein of African Swine Fever Virus That Interacts with the VPS39 Subunit of the Homotypic Fusion and Vacuole Protein Sorting Complex and Promotes Lysosome Clustering. *J Virol* **97**:e0194322.

Dolata, K.M., G. Pei, C.L. Netherton, and A. Karger. 2023. Functional Landscape of African Swine Fever Virus-Host and Virus-Virus Protein Interactions. *Viruses* **15**:1634.

Dost, I., M.Y. Abdel-Glil, G. Schmoock, C. Menge, C. Berens, B.G. Santamarina, E. Wiegand, H. Neubauer, S. Schwarz, and C. Seyboldt. 2023. *Clostridioides difficile* in South American Camelids in Germany: First Insights into Molecular and Genetic Characteristics and Antimicrobial Resistance. *Antibiotics* **12**:86.

Dowiasch, S., M. Blanke, J. Knöll, and F. Bremmer. 2023. Spatial localization during open-loop smooth pursuit. *Front Neurosci* **17**:1058340.

Dreyer, S., M. Dreier, and K. Dietze. 2023. Demystifying a buzzword: Use of the term “human-animal-interface” in One Health oriented research based on a literature review and expert interviews. *One Health* **16**:100560.

Dua, S., S. Bansal, D. Gautam, B. Jose, P. Singh, M.K. Singh, S. De, D. Kumar, P.S. Yadav, W.A. Kues, and N.L. Selokar. 2023. Production of MSTN Gene-Edited Embryos of Buffalo Using the CRISPR/Cas9 System and SCNT. *Cell Reprog* [Epub ahead of print; doi:10.1089/cell.2023.0003]

Eckhardt, E., Y. Li, S. Mamerow, J. Schinköthe, J. Sehl-Ewert, J. Dreisbach, B. Corleis, A. Dorhoi, J. Teifke, C. Menge, F. Kloss, and M. Bastian. 2023. Pharmacokinetics and Efficacy of the Benzothiazinone BTZ-043 against Tuberculous Mycobacteria inside Granulomas in the Guinea Pig Model. *Antimicrob Agents Chemother* **67**:e0143822.

Eckhardt, E., J. Schinköthe, M. Gischke, J. Sehl-Ewert, B. Corleis, A. Dorhoi, J.P. Teifke, D. Albrecht, A. Geluk, M. Gilleron, and M. Bastian. 2023. Phosphatidylinositolmannoside vaccination induces lipid-specific Th1-responses and partially protects guinea pigs from *Mycobacterium tuberculosis* challenge. *Sci Rep* **13**:18613.

EFSA Panel on Contaminants in the Food Chain (CONTAM), D. Schrenk, M. Bignami, L. Bodin, J.K.C.J. del Mazo, B. Grasl-Kaup, C. Hogstrand, J.-C. Leblanc, E. Nielsen, E. Ntzani, A. Petersen, S. Sand, T. Schwerdtle, C. Vleminckx, H. Wallace, S. Dänicke, C.S. Nebbia, I.P. Oswald, E. Rovesti, H. Steinkellner, and L.R. Hoogenboom. 2023. Assessment of information as regards the toxicity of deoxynivalenol for horses and poultry. *EFSA J* **21**:e07806.

**Eggers, L., T. Tröbner, U. Meyer, I. Leiter, M. Höltershinken, H. Spiekers, P. Zieger, and M. Schmicke.** 2023. Ketosemanagement mithilfe von On-farm-Diagnostika im Milchkuhbetrieb. *Prakt Tierarzt* 104:272-279.

**Eggers, M., I. Schwebke, J. Blümel, F. Brandt, H. Fickenscher, J. Gebel, N.-O. Hübner, J.A. Müller, H.F. Rabenau, I. Rapp, S. Reiche, E. Steinmann, J. Steinmann, P. Zwicker, and M. Suchomel.** 2023. Suitable Disinfectants with Proven Efficacy for Genetically Modified Viruses and Viral Vectors. *Viruses* 15:2179.

**Eghbalsaied, S., and W.A. Kues.** 2023. An Electrochemical Protocol for CRISPR-Mediated Gene-Editing of Sheep Embryonic Fibroblast Cells. *Cells Tissues Organs* 212:176-184.

**Eghbalsaied, S., and W.A. Kues.** 2023. CRISPR/Cas9-mediated targeted knock-in of large constructs using nocodazole and RNase HIII. *Sci Rep* 13:2690.

**Eilts, F., L.K. Jordan, Y.M.J. Harsy, S.M. Bergmann, A.M. Becker, and M.W. Wolff.** 2023. Purification and concentration of infectious koi herpesvirus using steric exclusion chromatography. *J Fish Dis* 46:873-886.

**El-Adawy, H., H. Hotzel, S. García-Soto, H. Tomaso, H.M. Hafez, S.P. Schwarz, H. Neubauer, and J. Linde.** 2023. Genomic insight into *Campylobacter jejuni* isolated from commercial turkey flocks in Germany using whole-genome sequencing analysis. *Front Vet Sci* 10:1092179.

**El-Adawy, H., H. Hotzel, H. Tomaso, and H. Neubauer.** 2023. The History of Bovine Genital Campylobacteriosis in the Face of Political Turmoil and Structural Change in Cattle Farming in Germany. *Vet Sci* 10:665.

**Eshak, M., D. Rubbenstroth, M. Beer, and F. Pfaff.** 2023. Diving Deep into Fish Bornaviruses: Uncovering Hidden Diversity and Transcriptional Strategies through Comprehensive Data Mining. *Virus Evol* 9:vead062.

**European Food Safety Authority, European Centre for Disease Prevention and Control, European Union Reference Laboratory for Avian Influenza, C. Adlhoch, A. Fusaro, J.L. Gonzalez, T. Kuiken, S. Marangon, É. Niqueux, C. Staubach, C. Terregino, I. Aznar, I. Muñoz Guajardo, and F. Baldinelli.** 2023. Avian influenza overview September - December 2022. *EFSA J* 21:e07786.

**European Food Safety Authority, European Centre for Disease Prevention and Control, European Union Reference Laboratory for Avian Influenza, C. Adlhoch, A. Fusaro, J.L. Gonzalez, T. Kuiken, S. Marangon, G. Mirinavičiūtė, É. Niqueux, K. Stahl, C. Staubach, C. Terregino, A. Broglio, and F. Baldinelli.** 2023. Avian influenza overview December 2022 - March 2023. *EFSA J* 21:e07917.

**European Food Safety Authority, European Centre for Disease Prevention and Control, European Union Reference Laboratory for Avian Influenza, C. Adlhoch, A. Fusaro, J.L. Gonzalez, T. Kuiken, G. Mirinavičiūtė, É. Niqueux, K. Stahl, C. Staubach, C. Terregino, A. Broglio, L. Kohnle, and F. Baldinelli.** 2023. Avian influenza overview March - April 2023. *EFSA J* 21:e08039.

**European Food Safety Authority, European Centre for Disease Prevention and Control, European Union Reference Laboratory for Avian Influenza, C. Adlhoch, A. Fusaro, J.L. Gonzalez, T. Kuiken, G. Mirinavičiūtė, É. Niqueux, C. Staubach, C. Terregino, F. Baldinelli, A. Rusinà, and L. Kohnle.** 2023. Avian influenza overview June - September 2023. *EFSA J* 21:e08328.

**European Food Safety Authority, European Centre for Disease Prevention and Control, European Union Reference Laboratory for Avian Influenza, C. Adlhoch, A. Fusaro, J.L. Gonzalez, T. Kuiken, G. Mirinavičiūtė, É. Niqueux, K. Ståhl, C. Staubach, C. Terregino, K. Willgert, F. Baldinelli, K. Chuzhakina, R. Delacourt, A. Georganas, M. Georgiev, and L. Kohnle.** 2023. Avian influenza overview September - December 2023. *EFSA J* 21:e08539.

**Faehndrich, M., J.C. Klink, M. Roller, P. Wohlsein, K. Raue, C. Strube, E. Prenger-Berninghoff, C. Ewers, L. Capucci, A. Lavazza, H. Tomaso, J.G. Schnitzler, and U. Siebert.** 2023. Status of Infectious



Diseases in Free-Ranging European Brown Hares (*Lepus europaeus*) Found Dead between 2017 and 2020 in Schleswig-Holstein, Germany. *Pathogens* 12:239.

Faehndrich, M., B. Woelfing, J.C. Klink, M. Roller, W. Baumgärtner, P. Wohlsein, K. Raue, C. Strube, C. Ewers, E. Prenger-Berninghoff, J. Verspohl, A. Lavazza, L. Capucci, H. Tomaso, and U. Siebert. 2023. Pathomorphological Findings and Infectious Diseases in Selected European Brown Hare (*Lepus europaeus Pallas, 1778*) Populations from Schleswig-Holstein, Germany. *Pathogens* 12:1317.

Fahrion, A.S., C.M. Freuling, M.S. Léchenne, T. Müller, S. Recuenco, M.A.N. Vigilato, F. Busch, K. Heitz Tokpa, S. Mauti, M. Muturi, and S. Dürr. 2023. Editorial: Rabies, a long-standing One Health example -progress, challenges, lessons and visions on the way to 0 by 30. *Front Vet Sci* 10:1220327.

Fast, C., C. Graham, M. Kaatz, K. Santiago-Mateo, T. Kaatz, K. MacPherson, A. Balkema-Buschmann, U. Ziegler, M.H. Groschup, and S. Czub. 2023. Discrimination of Classical and Atypical BSE by a Distinct Immunohistochemical PrPSc Profile. *Pathogens* 12:353.

Fereidouni, S.R., E. Starick, K. Karamendin, C. Di Genova, S.D. Scott, Y. Khan, T.C. Harder, and A. Kydyrmanov. 2023. Genetic characterization of a new candidate hemagglutinin subtype of influenza A viruses. *Emerg Microbes Infect* 12:2225645.

Ferrando, V.A., M.E. Friedrich, S. Gandhi, A. Mellmann, D. Masemann, A. Christersson, D. Anhlan, L. Brunotte, M. Stoll, T. Harder, M. Beer, Y. Boergeling, and S. Ludwig. 2023. Cell-intrinsic genomic reassortment of pandemic H1N1 2009 and Eurasian avian-like swine influenza viruses results in potentially zoonotic variants. *Emerg Microbes Infect* 12:2212809.

Ferrara, G., K. Wernike, G. Iovane, U. Pagnini, and S. Montagnaro. 2023. First evidence of schmallenberg virus infection in southern Italy. *BMC Vet Res* 19:95.

Figl, J., H. Köhler, N. Wedlich, E.M. Liebler-Tenorio, L. Grode, G. Parzmair, G. Krishnamoorthy, N.E. Nieuwenhuizen, S.H.E. Kaufmann, and C. Menge. 2023. Safety and Immunogenicity of Recombinant Bacille *Calmette-Guérin* Strain VPM1002 and Its Derivatives in a Goat Model. *Int J Mol Sci* 24:5509.

Flachowsky, G. 2023. Nährstoffökonomie und Ressourcennutzungseffizienz bei der Erzeugung von Protein tierischer Herkunft mit Landtieren. *Züchtungskunde* 95:361-378.

Forth, J.H., S. Calvelage, M. Fischer, J. Hellert, J. Sehl-Ewert, H. Roszyk, P. Deutschmann, A. Reichold, M. Lange, H.-H. Thulke, C. Sauter-Louis, D. Höper, S. Mandyhra, M. Sapachova, M. Beer, and S. Blome. 2023. African swine fever virus - variants on the rise. *Emerg Microbes Infect* 12:e2146537.

Fortin, A., A. Laconi, I. Monne, S. Zahari, K. Andersson, C. Grund, M. Cecchinato, M. Crimardo, V. Valastro, V. D'Amico, A. Bortolami, M. Gastaldelli, M. Varotto, Newcastle Disease Collaborating Diagnostic Group, C. Terregino, and V. Panzarin. 2023. A novel array of real-time RT-PCR assays for the rapid pathotyping of type I avian paramyxovirus (APMV-1). *J Virol Methods* 322:114813.

Freuling, C.M., F. Busch, M.B. Shikongo, N. Silume, J. van der Westhuizen, S. Khaiseb, A. Shilongo, and T. Müller. 2023. Emergency response using oral rabies vaccination of dogs -field data from Namibia demonstrate high efficiency. *One Health* 16:100562.

Freuling, C.M., A. Hlinak, C. Schulze, J. Sehl-Ewert, P. Wysocki, C.A. Szentiks, K. Schmitt, P. Wohlsein, G. Kluth, I. Reinhardt, T.C. Mettenleiter, and T. Müller. 2023. Suid alphaherpesvirus 1 of wild boar origin as a recent source of Aujeszky's disease in carnivores in Germany. *Virology J* 20:110.

Freuling, C.M., J. van der Westhuizen, S. Khaiseb, T. Tenzin, and T. Müller. 2023. From Field Tests to Molecular Tools—Evaluating Diagnostic Tests to Improve Rabies Surveillance in Namibia. *Viruses* 15:371.

Fricke, C., F. Pfaff, L. Ulrich, N.J. Halwe, J. Schön, L. Timm, W. Hoffmann, S. Rauch, B. Petsch, D. Hoffmann, M. Beer, B. Corleis, and A. Dorhoi. 2023. SARS-CoV-2 variants of concern elicit divergent early immune responses in hACE2 transgenic mice. *Eur J Immunol* **53**:e2250332.

Fröhlich, J., S. Fischer, B. Bauer, D. Hamel, B. Kohn, M. Ahlers, A. Obiegala, E. Overzier, M. Pfeffer, K. Pfister, C. Răileanu, S. Rehbein, J. Skuballa, and C. Silaghi. 2023. Host-pathogen associations revealed by genotyping of European strains of *Anaplasma phagocytophilum* to describe natural endemic cycles. *Parasite Vector* **16**:289.

Gao, H., T. Hamp, J. Ede, J.G. Schraiber, J. McRae, M. Singer-Berk, Y. Yang, A. Dietrich, P. Fiziev, L. Kuderna, L. Sundaram, Y. Wu, A. Adhikari, Y. Field, C. Chen, S. Batzoglou, F. Aguet, G. Lemire, R. Reimers, D. Balick, M.C. Janiak, M. Kuhlwilm, J.D. Orkin, S. Manu, A. Valenzuela, J. Bergman, M. Rouselle, F.E. Silva, L. Agueda, J. Blanc, M. Gut, D. de Vries, I. Goodhead, R.A. Harris, M. Raveendran, A. Jensen, I.S. Chuma, J. Horvath, C. Hvilson, D. Juan, P. Frandsen, F.R. de Melo, F. Bertuol, H. Byrne, I. Sampaio, I. Farias, J. Valsecchi do Amaral, M. Messias, M.N.F. da Silva, M. Trivedi, R. Rossi, T. Hrbek, N. Andriaholinirina, C.J. Rabarivola, A. Zaramody, C.J. Jolly, J. Phillips-Conroy, G. Wilkerson, C. Abee, J.H. Simmons, E. Fernandez-Duque, S. Kanthaswamy, F. Shiferaw, D. Wu, L. Zhou, Y. Shao, G. Zhang, J.D. Keyyu, S. Knauf, M.D. Le, E. Lizano, S. Merker, A. Navarro, T. Batallion, T. Nadler, C.C. Khor, J. Lee, P. Tan, W.K. Lim, A.C. Kitchener, D. Zinner, I. Gut, A. Melin, K. Guschanski, M.H. Schirup, R.M.D. Beck, G. Umapathy, C. Roos, J.P. Boubli, M. Lek, S. Sunyaev, A. O'Donnell, H. Rehm, J. Xu, J. Rogers, T. Marques-Bonet, and K.K.-H. Farh. 2023. The landscape of tolerated genetic variation in humans and primates. *Science* **380**:eabn8197.

García-Soto, S., J. Linde, and U. Methner. 2023. Epidemiological Analysis on the Occurrence of *Salmonella enterica* Subspecies *enterica* Serovar Dublin in the German Federal State Schleswig-Holstein Using Whole-Genome Sequencing. *Microorganisms* **11**:122.

Girard, J., C. Jakob, L.K. Toews, J. Fuchs, A. Pohlmann, K. Franzke, L. Kolesnikova, C. Jeney, M. Beer, P. Bron, M. Schwemmler, and H. Bolte. 2023. Disruption of influenza virus packaging signals results in various misassembled genome complexes. *J Virol* **97**:e01076-23.

Goekeri, C., P. Pennitz, W. Groenewald, U. Behrendt, H. Kirsten, C.M. Zobel, S. Berger, G.A. Heinz, M.-F. Mashreghi, S.-M. Wienhold, K. Dietert, A. Dorhoi, A.D. Gruber, M. Scholz, G. Rohde, N. Suttorp, on behalf of the CAPNETZ Study Group, M. Witzernath, and G. Nouailles. 2023. MicroRNA-223 Dampens Pulmonary Inflammation during Pneumococcal Pneumonia. *Cells* **12**:959.

Golender, N., E. Klement, A. Kovtunencko, B. Even-Tov, L. Zamir, E. Tiomkin, G. Kenigswald, and B. Hoffmann. 2023. Comparative Molecular and Epidemiological Analyses of Israeli Bluetongue Viruses Serotype 1 and 9 Causing Outbreaks in 2018-2020. *Microorganisms* **11**:366.

Golender, N., E. Klement, L. Ofer, B. Hoffmann, K. Wernike, M. Beer, and F. Pfaff. 2023. Hefer valley virus: a novel ephemerovirus detected in the blood of a cow with severe clinical signs in Israel in 2022. *Arch Virol* **168**:234.

Gothe, L.M.R., S. Ganzenberg, U. Ziegler, A. Obiegala, K.L. Lohmann, M. Sieg, T.W. Vahlenkamp, M.H. Groschup, U. Hörügel, and M. Pfeffer. 2023. Horses as Sentinels for the Circulation of Flaviviruses in Eastern-Central Germany. *Viruses* **15**:1108.

Graaf, A., R. Piesche, J. Sehl-Ewert, C. Grund, A. Pohlmann, M. Beer, and T. Harder. 2023. Low Susceptibility of Pigs against Experimental Infection with HPAI Virus H5N1 Clade 2.3.4.4b. *Emerg Infect Dis* **29**:1492-1495.

Graaf-Rau, A., C. Hennig, K. Lillie-Jaschniski, M. Koechling, J. Stadler, J. Boehmer, U. Ripp, A. Pohlmann, B.-A. Schwarz, M. Beer, and T. Harder. 2023. Emergence of swine influenza A virus, porcine respirovirus 1 and swine orthopneumovirus in porcine respiratory disease in Germany. *Emerg Microbes Infect* **12**:2239938.

Gremmel, N., O. Keuling, M. Eiden, M.H. Groschup, R. Johne, P. Becher, and C. Baechlein. 2023. Hepatitis E virus neutralization by porcine serum antibodies. *J Clin Microbiol* **61**:e00373-23.

Grochow, T., B. Beck, Z. Rentería-Solís, G. Schares, P. Maksimov, C. Strube, L. Raqué, J. Kacza, A. Dauschies, and S.A. Fietz. 2023. Reduced neural progenitor cell count and cortical neurogenesis in guinea pigs congenitally infected with *Toxoplasma gondii*. *Commun Biol* 6:1209.

Groschupp, S., H. Kampen, and D. Werner. 2023. Occurrence of putative *Culicoides* biting midge vectors (Diptera: Ceratopogonidae) inside and outside barns in Germany and factors influencing their activity. *Parasite Vector* 16:307.

Groseth, A., D. Gardner, K. Meade-White, S. Amler, and H. Ebihara. 2023. Immunocompetent hamsters as a model for orthobunyavirus-induced neuroinvasion and neuropathology. *PLoS Neglect Trop Dis* 17:e0011355.

Günther, A., A. Pohlmann, A. Globig, U. Ziegler, S. Calvelage, M. Keller, D. Fischer, C. Staubach, M.H. Groschup, T. Harder, and M. Beer. 2023. Continuous surveillance of potentially zoonotic avian pathogens detects contemporaneous occurrence of highly pathogenic avian influenza viruses (HPAIV H5) and flaviviruses (USUV, WNV) in several wild and captive birds. *Emerg Microbes Infect* 12:2231561.

Häder, A., S. Schäuble, J. Gehlen, N. Thielemann, B.C. Buerfent, V. Schüller, T. Hess, T. Wolf, J. Schröder, M. Weber, K. Hünninger, J. Löffler, S. Vylkova, G. Panagiotou, J. Schumacher, and O. Kurzai. 2023. Pathogen-specific innate immune response patterns are distinctly affected by genetic diversity. *Nat Commun* 14:3239.

Hamed, S.M., W.F. Elkhatab, H. Brangsch, A.S. Gesraha, S. Moustafa, D.F. Khater, M.W. Pletz, L.D. Sprague, H. Neubauer, and G. Wareth. 2023. *Acinetobacter baumannii* Global Clone-Specific Resistomes Explored in Clinical Isolates Recovered from Egypt. *Antibiotics* 12:1149.

Hänske, J., M. Heller, C. Schnee, Y.B. Weldearegay, K. Franzke, J. Jores, J. Meens, and R. Kammerer. 2023. A new duplex qPCR-based method to quantify *Mycoplasma mycoides* in complex cell culture systems and host tissues. *J Microbiol Meth* 211:106765.

Harder, T., S. de Wit, J.L. Gonzales, J.H.P. Ho, P. Mulatti, T.Y. Prajitno, and A. Stegeman. 2023. Epidemiology-driven approaches to surveillance in HPAI-vaccinated poultry flocks aiming to demonstrate freedom from circulating HPAIV. *Biologicals* 83:101694.

Haring, V., J. Jacob, B. Walther, M. Trost, M. Stubbe, K. Mertens-Scholz, F. Melzer, N. Scuda, M. Gentil, W. Sixl, T. Schäfer, M. Stanko, R. Wolf, M. Pfeffer, R.G. Ulrich, and A. Obiegala. 2023. White-Toothed Shrews (Genus *Crocidura*): Potential Reservoirs for Zoonotic *Leptospira* spp. and Arthropod-Borne Pathogens? *Pathogens* 12:781.

Hassanpour, A., J. Geibel, H. Simianer, and T. Pook. 2023. Optimization of breeding program design through stochastic simulation with kernel regression. *G3-Genes Genomes Genet* 13:jkad217.

Häussler, S., M.H. Ghaffari, K. Seibt, H. Sadri, M.T. Alaedin, K. Huber, J. Frahm, S. Dänicke, and H. Sauerwein. 2023. Blood and liver telomere length, mitochondrial DNA copy number, and hepatic gene expression of mitochondrial dynamics in mid-lactation cows supplemented with L-carnitine under systemic inflammation. *J Dairy Sci* 106:9822-9842.

Heinrich, F., K.D. Mertz, M. Glatzel, M. Beer, and S. Krasemann. 2023. Using autopsies to dissect COVID-19 pathogenesis. *Nat Microbiol* 8:1986-1994.

Heinemann, L., U. Methner, K. Donat, and U. Moog. 2023. Longitudinale Studie zum Zeitpunkt einer Infektion von Schaflämmern mit *Salmonella enterica* subspecies *diarizonae* serovar 61: k: 1, 5, (7). *Tierärztl Prax G* 51:135-143.

Heinemann, L., U. Methner, A. Klassen, K. Donat, and U. Moog. 2023. Einfluss von Rasse und Herdengröße auf die Intraherdenprävalenz von *Salmonella enterica* subspecies *diarizonae* Serovar 61: k: 1, 5, (7) bei Schafen. *Tierärztl Prax G* 51:367-375.

Hellert, J., A. Aebischer, A. Haouz, P. Guardado-Calvo, S. Reiche, M. Beer, and F.A. Rey. 2023. Structure, function, and evolution of the *Orthobunyavirus* membrane fusion glycoprotein. *Cell Rep* 42:112142.

Hellgren, F., A. Cagigi, R. Arcoverde Cerveira, S. Ols, T. Kern, A. Lin, B. Eriksson, M.G. Dodds, E. Jasny, K. Schwendt, C. Freuling, T. Müller, M. Corcoran, G.B. Karlsson Hedestam, B. Petsch, and K. Loré. 2023. Unmodified rabies mRNA vaccine elicits high cross-neutralizing antibody titers and diverse B cell memory responses. *Nat Commun* 14:3713.

Helmy, Y.A., H. El-Adawy, Y.M. Sanad, and M. Ghanem. 2023. Editorial: Food Safety and Public Health. *Front Microbiol* 14:1169139.

Herbicht, R., G. Neufeld, C. Klein, and H. Henning. 2023. Evaluation of a novel microfluidic chip-like device for purifying bovine frozen-thawed semen for *in vitro* fertilization. *Theriogenology* 209:50-59.

Heuser, E., S. Drewes, J. Trimpert, D. Kunec, C. Mehl, M.P. de Cock, A. de Vries, C. Klier, M. Oskamp, P. Tenhaken, F. Hashemi, D. Heinz, M. Nascimento, M. Boelhaue, R. Petraityte-Burneikiene, D. Raafat, M. Maas, D.H. Krüger, A. Latz, J. Hofmann, G. Heckel, J. Dreesman, and R.G. Ulrich. 2023. Pet Rats as the Likely Reservoir for Human Seoul Orthohantavirus Infection. *Viruses* 15:467.

Heymann, A.-K., K. Schnabel, F. Billenkamp, S. Bühler, J. Frahm, S. Kersten, U. Meyer, D. von Soosten, and S. Dänicke. 2023. Influences of Glyphosate Contaminations and Concentrate Feed on Performance, Blood Parameters, Blood Cell Functionality and DNA Damage Properties in Fattening Bulls. *Animals* 13:1499.

Heymann, A.-K., K. Schnabel, F. Billenkamp, S. Bühler, J. Frahm, S. Kersten, D. von Soosten, U. Meyer, and S. Dänicke. 2023. Influences of glyphosate residues and different concentrate feed proportions in dairy cow rations during early gestation on performance, blood parameters, functional properties and DNA damage of blood cells in cows and their offspring. *PLoS one* 18:e0286995.

Higgins, O., A. Chueiri, L. O'Connor, S. Lahiff, D. Morris, N.M. Pfeifer, B. González Santamarina, C. Berens, C. Menge, M. Caniça, V. Manageiro, V. Kisand, M.M. Hassan, B. Gardner, A.H.M. van Vliet, R.M. La Ragione, B. Gonzalez-Zorn, and T.J. Smith. 2023. Portable Differential Detection of CTX-M ESBL Gene Variants, *bla*<sub>CTX-M-1</sub> and *bla*<sub>CTX-M-15</sub>, from *Escherichia coli* Isolates and Animal Fecal Samples Using Loop-Primer Endonuclease Cleavage Loop-Mediated Isothermal Amplification. *Microbiol Spectr* 11:e0331622.

Hikal, A.F., G. Wareth, and A. Khan. 2023. Brucellosis: Why is it eradicated from domestic livestock in the United States but not in the Nile River Basin countries? *Ger J Microbiol* 3(2):19-25.

Hoffmann, A., T. Müller, V. Fingerle, C. Silaghi, and M. Noll. 2023. Co-Infection of Potential Tick-Borne Pathogens of the Order *Rickettsiales* and *Borrelia burgdorferi* s. l. and their Link to Season and Area in Germany. *Microorganisms* 11:157.

Hoffmann, M., L.-Y.R. Wong, P. Arora, L. Zhang, C. Rocha, A. Odle, I. Nehlmeier, A. Kempf, A. Richter, N.J. Halwe, J. Schön, L. Ulrich, D. Hoffmann, M. Beer, C. Drosten, S. Perlman, and S. Pöhlmann. 2023. Omicron subvariant BA.5 efficiently infects lung cells. *Nat Commun* 14:3500.

Höhne, A., S. Petow, W. Bessei, and L. Schrader. 2023. Contrafreeloading and foraging related behavior in hens differing in laying performance and phylogenetic origin. *Poultry Sci* 102:102489.

Holzer, K., L.E. Hoelzle, and G. Wareth. 2023. Genetic comparison of *Brucella* spp. and *Ochrobactrum* spp. erroneously included into the genus *Brucella* confirms separate genera. *Ger J Vet Res* 3:31-37.

Homeier-Bachmann, T., and C. Sauter-Louis. 2023. Tierseuchen - aktuell und am Horizont. *Züchtungskunde* 01/2023:1-7.

- Höne, U., E.T. Krause, R. Bussemas, I. Traulsen, and L. Schrader. 2023. Usage of outdoor runs and defaecation behaviour of fattening pigs. *Appl Anim Behav Sci* **258**:105821.
- Hörner, C., A.H. Fiedler, B.S. Bodmer, L. Walz, V.A. Scheuplein, S. Hutzler, M.N. Matrosovich, V. von Messling, and M.D. Mühlebach. 2023. A protective measles virus-derived vaccine inducing long-lasting immune responses against influenza A virus H7N9. *npj Vaccines* **8**:46.
- Hu, S., Y. Fujita-Fujiharu, Y. Sugita, L. Wendt, Y. Muramoto, M. Nakano, T. Hoenen, and T. Noda. 2023. Cryo-electron microscopic structure of the nucleoprotein-RNA complex of the European filovirus, Lloviu virus. *PNAS Nexus* **2**:pgad120.
- Huber, K., J. Saltzmann, and S. Dänicke. 2023. Metabolite Profiling in the Liver, Plasma and Milk of Dairy Cows Exposed to Tansy Ragwort (*Senecio jacobae*) Pyrrolizidine Alkaloids. *Toxins* **15**:601.
- Hyder, I., and W.A. Kues. 2023. Transgenic mammalian salivary cells expressing ligninase as a proof-of-concept model for enhanced lignocellulose degradation to generate future resilient livestock. *J Clean Prod* **393**:136226.
- Jamil, T., M. Saqib, A. Rashid, M.H. Hussain, K.K. Kasi, M.H. Tayyab, M.A. Kakar, H. Neubauer, and M. Iqbal. 2024. Seroprevalence of Brucellosis in Occupationally Exposed Humans in Quetta, Pakistan. *Biologia (Lahore)* **69**:28-31.
- Janečková, K., C. Roos, P. Fedrová, N. Tom, D. Čejková, S. Lüert, J.D. Keyyu, I.S. Chuma, S. Knauf, and D. Šmajš. 2023. The genomes of the yaws bacterium, *Treponema pallidum* subsp. *pertenue*, of nonhuman primate and human origin are not genomically distinct. *PLoS Neglect Trop Dis* **17**:e0011602.
- Jensen, A., F. Swift, D. de Vries, R. Beck, L.F.K. Kuderna, S. Knauf, I.S. Chuma, J.D. Keyyu, A.C. Kitchener, K. Farh, J. Rogers, T. Marques-Bonet, K.M. Detwiler, C. Roos, and K. Guschanski. 2023. Complex evolutionary history with extensive ancestral gene flow in an African primate radiation. *Mol Biol Evol* **40**:msad247.
- Joeres, M., G. Cardron, K. Passebosc-Faure, N. Plault, M. Fernández-Escobar, C.M. Hamilton, L. O'Brien Andersen, R. Calero-Bernal, L. Galal, C. Luttermann, P. Maksimov, F.J. Conraths, M.-L. Dardé, L.M. Ortega-Mora, P. Jokelainen, A. Mercier, and G. Schares. 2023. A ring trial to harmonize *Toxoplasma gondii* microsatellite typing: comparative analysis of results and recommendations for optimization. *Eur J Clin Microbiol Infect Dis* **42**:803-818.
- 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. *Infect Genet Evol* **107**:105392.
- Johne, R., S.H. Tausch, R.G. Ulrich, and K. Schilling-Loeffler. 2023. Genome analysis of the novel putative rotavirus species K. *Virus Res* **334**:199171.
- Kaczorek-Lukowska, E., K. Wernike, M. Beer, A. Blank, J. Małaczewska, M. Blank, A. Jałonica, and A.K. Siwicki. 2023. No indication for SARS-CoV-2 transmission to pet ferrets, in five cities in Poland, 2021 - antibody testing among ferrets living with owners infected with SARS-CoV-2 or free of infection. *Acta Vet Scand* **65**:9.
- Kalds, P., S. Huang, S. Xi, Y. Fang, Y. Gao, S. Zhou, K. Sun, C. Li, B. Cai, Y. Liu, Y. Ding, Q. Kou, T. Sonstegard, B. Petersen, S. Kemp, B. Ma, J.-L. Han, Y. Chen, and X. Wang. 2023. ABE-induced *PDGFD* start codon silencing unveils new insights into the genetic architecture of sheep fat tails. *J Genet Genomics* **50**:1022-1025.
- Kalita, A.I., E. Marois, M. Kozielska, F.J. Weissing, E. Jaouen, M.M. Möckel, F. Rühle, F. Butter, M.F. Basilicata, and C.I. Keller Valsecchi. 2023. The sex-specific factor SOA controls dosage compensation in *Anopheles* mosquitos. *Nature* **623**:175-182.



- Kammerer, R., and W. Zimmermann. 2023. Two waves of evolution in the rodent pregnancy-specific glycoprotein (*Psg*) gene family lead to structurally diverse PSGs. *BMC Genomics* 24:468.
- Kampen, H., and D. Werner. 2023. Biting Midges (Diptera: Ceratopogonidae) as Vectors of Viruses. *Microorganisms* 11:2706.
- Kauselmann, K., L. Schrader, and E.T. Krause. 2023. Elevated platforms for pigs - a review. *Livestock Sci* 278:105362.
- Kauter, J., F. Damek, G. Schares, R. Blaga, F. Schott, P. Deplazes, X. Sidler, and W. Basso. 2023. Detection of *Toxoplasma gondii*-specific antibodies in pigs using an oral fluid-based commercial ELISA: Advantages and limitations. *Int J Parasitol* 53:523-530.
- Kim, Y., P. Nouvellet, L. Rogoll, C. Staubach, K. Schulz, C. Sauter-Louis, D. Pfeiffer, and G. Fournié. 2023. Contrasting seasonality of African swine fever outbreaks and its drivers. *Epidemics* 44:100703.
- Kinast, V., I. Andreica, G. Ahrenstorf, A. Gömer, C. Elsner, S. Schlienkamp, J.A. Schrader, M. Klöhn, R.G. Ulrich, R. Broering, F.W.R. Vondran, D. Todt, P. Behrendt, U. Dittmer, A. Hamprecht, T. Witte, X. Baraliokos, and E. Steinmann. 2023. Janus kinase-inhibition modulates hepatitis E virus infection. *Antiviral Res* 217:105690.
- Klassen, A., K. Dittmar, J. Schulz, E. Einax, and K. Donat. 2023. Estimation of the performance of two real-time PCR assays for detection of *Staphylococcus aureus*, *Streptococcus agalactiae* and *Streptococcus dysgalactiae* in pooled milk samples in a field study. *J Dairy Sci* 106:9228-9243.
- Klein, C., A. Michelitsch, V. Allendorf, F.J. Conraths, M. Beer, N. Denzin, and K. Wernike. 2023. Dogs and Cats Are Less Susceptible to the Omicron Variant of Concern of SARS-CoV-2: A Field Study in Germany, 2021/2022. *Transbound Emerg Dis* 2023:1868732.
- Klein, L., S. Hessling-Zeinen, F. Adler, U. Gerdes, S. Blome, E. große Beilage, and A. Campe. 2023. Exploring Pig Farmers' Decision-making concerning Biosecurity Measures against African Swine Fever. *Prev Vet Med* 217:105949.
- Klupp, B.G., and T.C. Mettenleiter. 2023. The Knowns and Unknowns of Herpesvirus Nuclear Egress. *Annu Rev Virol* 10:305-323.
- Knoop, K., K. Knapstein, 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. *Arch Anim Nutr* 77:363-384.
- Köchling, K., G.A. Schaub, D. Werner, and H. Kampen. 2023. Avian *Plasmodium* spp. and *Haemoproteus* spp. parasites in mosquitoes in Germany. *Parasite Vector* 16:369.
- Kohl, L., M.N.A.A. Siddique, B. Bodendorfer, R. Berger, A. Preikschat, C. Daniel, M. Ölke, E. Liebler-Tenorio, J. Schulze-Luehrmann, M. Mauermeir, K.-T. Yang, I. Hayek, M. Szperlinski, J. Andrack, U. Schleicher, A. Bozec, G. Krönke, P.J. Murray, S. Wirtz, M. Yamamoto, V. Schatz, J. Jantsch, P. Oefner, D. Degrandi, K. Pfeffer, K. Mertens-Scholz, S. Rauber, C. Bogdan, K. Dettmer, A. Lührmann, and R. Lang. 2023. Macrophages inhibit *Coxiella burnetii* by the ACOD1-itaconate pathway for containment of Q fever. *EMBO Mol Med* 15:e15931.
- Kohler, C., J. King, L. Stacker, K.V. Goller, J. Moritz, A. Pohlmann, N. Nath, A. Tzvetkova, M. Rieck, S. Paraskevopoulou, D. Beslic, M. Hölzer, S. Fuchs, J. Ziemann, L. Kaderali, M. Beer, N.-O. Hübner, and K. Becker. 2023. Neighborhood Watch: Genomic epidemiology of SARS-CoV-2 variants circulating in a German federal state, Mecklenburg-Western Pomerania, in 2020-2022. *Emerg Microbes Infect* 12:2245916.



Komorizono, R., K. Fujino, S. Kessler, S. Runge, T. Kanda, M. Horie, A. Makino, D. Rubbenstroth, and K. Tomonaga. 2023. Reverse genetics of parrot bornavirus 4 reveals a unique splicing of the glycoprotein gene that affects viral propagation. *J Virol* **97**:e0050923.

Körsten, C., A.A. Al-Hosary, C.M. Holicki, M. Schäfer, B.A. Tews, A. Vasić, U. Ziegler, M.H. Groschup, and C. Silaghi. 2023. Simultaneous Coinfections with West Nile Virus and Usutu Virus in *Culex pipiens* and *Aedes vexans* Mosquitoes. *Transbound Emerg Dis* [Epub ahead of print; doi: 10.1155/2023/6305484]

Körsten, C., H. Reemtsma, U. Ziegler, S. Fischer, B.A. Tews, M.H. Groschup, C. Silaghi, A. Vasić, and C.M. Holicki. 2023. Cellular co-infections of West Nile virus and Usutu virus influence virus growth kinetics. *Virology J* **20**:234.

Körsten, C., A. Vasić, A. Al-Hosary, B.A. Tews, C. Răileanu, C. Silaghi, and M. Schäfer. 2023. Excretion Dynamics of Arboviruses in Mosquitoes and the Potential Use in Vector Competence Studies and Arbovirus Surveillance. *Trop Med Infect Dis* **8**:410.

Kozytska, T., M. Bassiouny, O. Chechet, D. Ordynska, D. Galante, H. Neubauer, and G. Wareth. 2023. Retrospective Analysis of Official Data on Anthrax in Europe with a Special Reference to Ukraine. *Microorganisms* **11**:1294.

Krause, E.T., M. Paul, O. Krüger, and B.A. Caspers. 2023. Olfactory sex preferences in six Estrildid Finch species. *Front Ecol Evol* **11**:1000531.

Krause, T., J. Lamp, K. Knappstein, H.-G. Walte, J.-L. Moenning, J. Molkentin, 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. *J Agr Food Chem* **71**:13495-13507.

Kuderna, L.F.K., H. Gao, M.C. Janiak, M. Kuhlwilm, J.D. Orkin, T. Bataillon, S. Manu, A. Valenzuela, J. Bergman, M. Rouselle, F.E. Silva, L. Agueda, J. Blanc, M. Gut, D. de Vries, I. Goodhead, R.A. Harris, M. Raveendran, A. Jensen, I.S. Chuma, J. Horvath, C. Hvilsum, D. Juan, P. Frandsen, J.G. Schraiber, F.R. de Melo, F. Bertuol, H. Byrne, I. Sampaio, I. Farias, J. Valsecchi do Amaral, M. Messias, M.N.F. da Silva, M. Trivedi, R. Rossi, T. Hrbek, N. Andriaholinirina, C.J. Rabarivola, A. Zaramody, C.J. Jolly, J. Phillips-Conroy, G. Wilkerson, C. Abee, J.H. Simmons, E. Fernandez-Duque, S. Kanthaswamy, F. Shiferaw, D. Wu, L. Zhou, Y. Shao, G. Zhang, J.D. Keyyu, S. Knauf, M.D. Le, E. Lizano, S. Merker, A. Navarro, T. Nadler, C.C. Khor, J. Lee, P. Tan, W.K. Lim, A.C. Kitchener, D. Zinner, I. Gut, A. Melin, K. Guschanski, M.H. Schierup, R.M.D. Beck, G. Umapathy, C. Roos, J.P. Boubli, J. Rogers, K. Farh, and T. Marques-Bonnet. 2023. A global catalog of whole-genome diversity from 233 primate species. *Science* **380**:906-913.

Kuhn, J.H., J. Abe, S. Adkins, S.V. Alkhovsky, T. Avšič-Županc, M.A. Ayllón, J. Bahl, A. Balkema-Buschmann, V.K. Baranwal, M. Beer, N. Bejerman, É. Bergeron, N. Biedenkopf, C.D. Blair, K.R. Blasdel, A.G. Blouin, S.B. Bradfute, T. Briese, P.A. Brown, U.J. Buchholz, M.J. Buchmeier, A. Bukreyev, F. Burt, C. Büttner, C.H. Calisher, M. Cao, I. Casas, K. Chandran, R.N. Charrel, K.K. Chaturvedi, K.M. Chooi, A. Crane, E. Dal Bo, J.C. de la Torre, W.M. de Souza, R.L. de Swart, H. Debat, N.M. Dheilily, N. Di Paola, F. Di Serio, R.G. Dietzgen, M. Digiaro, J.F. Drexler, W.P. Dupex, R. Dürrwald, A.J. Easton, T. Elbeaino, K. Ergünay, G. Feng, A.E. Firth, A.R. Fooks, P.B.H. Formenty, J. Freitas-Astúa, S. Gago-Zachert, M.L. García, A. García-Sastre, A.R. Garrison, T.R. Gaskin, W. Gong, J.-P.J. Gonzalez, J. Göuy de Bellocq, A. Griffiths, M.H. Groschup, I. Günther, S. Günther, J. Hammond, Y. Hasegawa, K. Hayashi, J. Hepojoki, C.M. Higgins, S. Hongo, M. Horie, H.R. Hughes, A.J. Hume, T.H. Hyndman, K. Ikeda, D. Jiāng, G.B. Jonson, S. Junglen, B. Klempa, J. Klingström, H. Kondō, E.V. Koonin, M. Krupovic, K. Kubota, G. Kurath, L. Laenen, A.J. Lambert, J. Li, J.-M. Li, R. Liu, I.S. Lukashevich, R.M. MacDiarmid, P. Maes, M. Maklewitz, S.H. Marshall, S.-Y.L. Marzano, J.W. McCauley, A. Mirazimi, E. Mühlberger, T. Nabeshima, R. Naidu, T. Natsuaki, B. Navarro, J.A. Navarro, Y. Neriya, S.V. Netesov, G. Neumann, N. Nowotny, M.R.T. Nunes, F.O. Ochoa-Corona, T. Okada, G. Palacios, V. Pallás, A. Papa, S. Paraskevopoulou, C.R. Parrish, A. Pauvolid-Corrêa, J.T. Pawęska, D.R. Pérez, F. Pfaff, R.K. Plemper, T.S. Postler, L.O. Rabbidge, S.R. Radoshitzky, P.L.

Ramos-González, M. Rehanek, R.O. Resende, C.A. Reyes, T.C.S. Rodrigues, V. Romanowski, D. Rubbenstroth, L. Rubino, J.A. Runstadler, S. Sabanadzovic, S. Sadiq, M.S. Salvato, T. Sasaya, M. Schwemmler, S.R. Sharpe, M. Shi, Y. Shimomoto, K.V. Sidharthan, M. Sironi, S. Smither, J.-W. Song, K.M. Spann, J.R. Spengler, M.D. Stenglein, A. Takada, S. Takeyama, A. Tatara, R.B. Tesh, N.J. Thornburg, X. Tian, N.D. Tischler, Y. Tomitaka, K. Tomonaga, N. Tordo, C. Tu, M. Turina, I.E. Tzanetakis, A.M. Vaira, B. van den Hoogen, B. Vanmechelen, N. Vasilakis, M. Verbeek, S. von Bargen, J. Wada, V. Wahl, P.J. Walker, T.B. Waltzek, A.E. Whitfield, Y.I. Wolf, H. Xia, E. Xylogianni, H. Yanagisawa, K. Yano, G. Ye, Z. Yuan, F.M. Zerbini, G. Zhang, S. Zhang, Y.-Z. Zhang, L. Zhao, and A.L. Økland. 2023. Annual (2023) taxonomic update of RNA-directed RNA polymerase-encoding negative-sense RNA viruses (realm *Riboviria*: kingdom *Orthornavirae*: phylum *Negarnaviricota*). *J Gen Virol* 104:001864.

Kumar, D., and W.A. Kues. 2023. Genome Engineering in Livestock: Recent Advances and Regulatory Framework. *Anim Reprod Update* 3:14-30.

de le Roi, M., C. Puff, P. Wohlsein, F. Pfaff, M. Beer, W. Baumgärtner, and D. Rubbenstroth. 2023. Rustrela Virus as Putative Cause of Nonsuppurative Meningoencephalitis in Lions. *Emerg Infect Dis* 29:1042-1045.

Lentz, H.H.K., H. Bergmann, F.J. Conraths, J. Schulz, and C. Sauter-Louis. 2023. The diffusion metrics of African swine fever in wild boar. *Sci Rep* 13:15110.

Li, J., H. Wu, W. Xu, Y. Wang, H. Wang, Y. Wang, Y. Li, C. Shi, S.M. Bergmann, X. Mo, Q. Wang, and J. Yin. 2023. Development of a rapid and sensitive reverse transcription real-time quantitative PCR assay for detection and quantification of grass carp reovirus II. *J Virol Meth* 312:114663.

Liebler-Tenorio, E.M., U. Moog, S.A. Barth, and P. König. 2023. Indurative Mastitis in einer Herde Dorperschafe als Folge einer Infektion mit dem Maedi-Visna-Virus. *Tierärztl Prax G* 51:175-183.

Liermann, W., I. Halle, J. Frahm, L. Hüther, S. Weigend, J. Kühn, G.I. Stangl, and S. Dänicke. 2023. Genotype-dependent impact of dietary vitamin D3 on laying hens. *Arch Anim Nutr* 77:205-227.

Linde, J., H. Brangsch, M. Hölzer, C. Thomas, M.C. Elschner, F. Melzer, and H. Tomaso. 2023. Comparison of Illumina and Oxford Nanopore Technology for genome analysis of *Francisella tularensis*, *Bacillus anthracis*, and *Brucella suis*. *BMC Genomics* 24:258.

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. *Front Vet Sci* 10:1081611.

Lux, L., R.G. Ulrich, S. Santos-Silva, J. Queirós, C. Imholt, C. Klotz, J. Paupério, R. Pita, H. Vale-Gonçalves, P. Célio Alves, and J.R. Mesquita. 2023. Detection and Molecular Characterization of *Giardia* and *Cryptosporidium* spp. Circulating in Wild Small Mammals from Portugal. *Animals* 13:515.

Lyu, S., D. Arends, M.K. Nassar, A. Weigend, S. Weigend, E. Wang, and G.A. Brockmann. 2023. High-density genotyping reveals candidate genomic regions for chicken body size in breeds of Asian origin. *Poultry Sci* 102:102303.

Märkl, B., S. Dintner, T. Schaller, E. Sipos, E. Kling, S. Miller, F. Farfán López, P. Grochowski, N. Reitsam, J. Waidhauser, K. Hirschbühl, O. Spring, A. Fuchs, T. Wibmer, P. Boor, M. Beer, and C. Wylezich. 2023. Fatal cases after Omicron BA.1 and BA.2 infection: results of an autopsy study. *Int J Infect Dis* 128:51-57.

Markov, P.V., M. Ghafari, M. Beer, K. Lythgoe, P. Simmonds, N.I. Stilianakis, and A. Katzourakis. 2023. The evolution of SARS-CoV-2. *Nat Rev Microbiol* 21:361-379.

Matiasek, K., F. Pfaff, H. Weissenböck, C. Wylezich, J. Kolodziejek, S. Tengstrand, F. Ecke, S. Nippert, P. Starcky, B. Litz, J. Nessler, P. Wohlsein, C. Baumbach, L. Mundhenk, A. Aebischer, S. Reiche, P. Weidinger, K.M. Olofsson, C. Rohdin, C. Weissenbacher-Lang, J. Matt, M. Rosati, T.

Flegel, B. Hörnfeldt, D. Höper, R.G. Ulrich, N. Nowotny, M. Beer, C. Ley, and D. Rubbenstroth. 2023. Mystery of fatal ‘staggering disease’ unravelled: novel rustrela virus causes severe meningoencephalomyelitis in domestic cats. *Nat Commun* 14:624.

Matthiesen, S., B. Christiansen, R. Jahnke, L.M. Zaeck, A. Karger, S. Finke, K. Franzke, and M.R. Knittler. 2023. TGF- $\beta$ /IFN- $\gamma$  Antagonism in Subversion and Self-Defense of Phase II *Coxiella burnetii*-Infected Dendritic Cells. *Infect Immun* 91:e0032322.

Mauermeir, M., M. Ölke, I. Hayek, J. Schulze-Lührmann, K. Dettmer, P.J. Oefner, C. Berens, C. Menge, and A. Lührmann. 2023. Bovine blood-derived macrophages are unable to control *Coxiella burnetii* replication under hypoxic conditions. *Front Immunol* 14:960927.

Meene, A., L.C. Gierse, T. Schwaiger, C. Karte, C. Schröder, D. Höper, H. Wang, V. Groß, C. Wünsche, P. Mücke, B. Kreikemeyer, M. Beer, D. Becher, T.C. Mettenleiter, K. Riedel, and T. Ulrich. 2023. Archaeome structure and function of the intestinal tract in healthy and H1N1 infected swine. *Front Microbiol* 14:1250140.

Mehl, C., K. Mätz-Rensing, J. Linde, B. Struve, G. Iser, C. van Hümmel, R.G. Ulrich, and H. Tomaso. 2023. Case report: tularaemia in a white-handed gibbon (*Hylobates lar*), Germany. *Int J Vet Sci Med* 11:121-125.

Mehl, C., C. Wylezich, C. Geiger, N. Schauerte, K. Mätz-Rensing, A. Nesseler, D. Höper, M. Linnenbrink, M. Beer, G. Heckel, and R.G. Ulrich. 2023. Reemergence of Lymphocytic Choriomeningitis Mammarenavirus, Germany. *Emerg Infect Dis* 29:631-634.

Mettenleiter, T.C., W. Markotter, D.F. Charron, W.B. Adisasmito, S. Almuhairi, C.B. Behravesh, P. Bilivogui, S.A. Bukachi, N. Casas, N.C. Becerra, A. Chaudhary, J.R. Ciacci Zanella, A.A. Cunningham, O. Dar, N. Debnath, B. Dungu, E. Farag, G.F. Gao, D.T.S. Hayman, M. Khaita, M.P.G. Koopmans, C. Machalaba, J.S. Mackenzie, S. Morand, V. Smolenskiy, and L. Zhou. 2023. The One Health High-Level Expert Panel (OHHLEP). *One Health Outl* 5:18.

Michelitsch, A., V. Allendorf, F.J. Conraths, J. Gethmann, J. Schulz, K. Wernike, and N. Denzin. 2023. SARS-CoV-2 Infection and Clinical Signs in Cats and Dogs from Confirmed Positive Households in Germany. *Viruses* 15:837.

Milovanović, M., K. Dietze, U. Wernery, and B. Hoffmann. 2023. Investigation of Potency and Safety of Live-Attenuated Peste des Petits Ruminant Virus Vaccine in Goats by Detection of Cellular and Humoral Immune Response. *Viruses* 15:1325.

Miroló, M., A. Pohlmann, A.K. Ahrens, B. Kühn, A. Rubio-García, K. Kramer, U. Meinfelder, T. Rosenberger, H.L. Morito, M. Beer, M. Ludlow, P. Wohlsein, W. Baumgärtner, T. Harder, and A. Osterhaus. 2023. Highly pathogenic avian influenza A virus (HPAIV) H5N1 infection in two European grey seals (*Halichoerus grypus*) with encephalitis. *Emerg Microbes Infect* 12:2257810.

Mittler, E., A. Serris, E.S. Esterman, C. Florez, L.C. Polanco, C.M. O’Brien, M.M. Slough, J. Tynell, R. Gröning, Y. Sun, D.M. Abelson, A.Z. Wec, D. Haslwanter, M. Keller, C. Ye, R.R. Bakken, R.K. Jangra, J.M. Dye, C. Ahlm, C.G. Rappazzo, R.G. Ulrich, L. Zeitlin, J.C. Geoghegan, S.B. Bradfute, S. Sidoli, M.N.E. Forsell, T. Strandin, F.A. Rey, A.S. Herbert, L.M. Walker, K. Chandran, and P. Guardado-Calvo. 2023. Structural and mechanistic basis of neutralization by a pan-hantavirus protective antibody. *Sci Translat Med* 15:eadg1855.

Moawad, A.A., H. El-Adawy, J. Linde, I. Jost, T. Gärtner, K. Hruschka, K. Donat, H. Neubauer, S. Monecke, and H. Tomaso. 2023. Whole genome sequence-based analysis of *Staphylococcus aureus* isolated from bovine mastitis in Thuringia, Germany. *Front Microbiol* 14:1216850.

Moenning, J.-L., J. Lamp, K. Knapstein, J. Molquentin, 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. *Comput Toxicol* **28**:100290.

Moreau, A., D. Kervella, L. Bouchet-Delbos, C. Braudeau, S. Saiagh, P. Guérif, S. Limou, A. Moreau, S. Bercegeay, M. Streitz, B. Sawitzki, B. James, P.N. Harden, D. Game, Q. Tang, J.F. Markmann, I.R. Roberts, E.K. Geissler, B. Dréno, R. Josien, M.-C. Cuturi, G. Blancho, and the DIVAT Consortium. 2023. A Phase I/IIa study of autologous tolerogenic dendritic cells immunotherapy in kidney transplant recipients. *Kidney Int* **103**:627-637.

Moreno, E., E.A. Middlebrook, P. Altamirano-Silva, S. Al Dahouk, G.F. Araj, V. Arce-Gorvel, Á. Arenas-Gamboa, J. Ariza, E. Barquero-Calvo, G. Battelli, W.J. Bertu, J.M. Blasco, M. Bosilovski, S. Cadmus, C.C. Caswell, J. Celli, C. Chacón-Díaz, E. Chaves-Olarte, D.J. Comerci, R. Conde-Álvarez, E.A.J. Cook, S. Cravero, M. Dadar, X. De Boelle, F. De Massis, R. Díaz, G.I. Escobar, L. Fernández-Lago, T.A. Ficht, J.T. Foster, B. Garin-Bastuji, J. Godfroid, J.-P. Gorvel, L. Güler, S. Erdenliğ-Gürbilek, A.M. Gusi, C. Guzmán-Verri, J. Hai, G. Hernández-Mora, M. Iriarte, N.R. Jacob, A. Keriell, M. Khames, S. Köhler, J.-J. Letesson, M. Loperena-Barber, I. López-Goñi, J. McGiven, F. Melzer, R. Mora-Cartin, J. Moran-Gilad, P.M. Muñoz, H. Neubauer, D. O'Callaghan, R. Ocholi, Á. Oñate, P. Pandey, G. Pappas, J.T. Pembroke, M. Roop, N. Ruiz-Villalobos, M.P. Ryan, M. Salvador-Bescós, F.J. Sangari, R. de Lima Santos, A. Seimenis, G. Splitter, M. Suárez-Esquivel, D. Tabbaa, M.D. Trangoni, R.M. Tsolis, N. Vizcaíno, G. Wareth, S.C. Welburn, A.M. Whatmore, A. Zúñiga-Ripa, and I. Moriyón. 2023. If You're Not Confused, You're Not Paying Attention: *Ochrobactrum* Is Not *Brucella*. *J Clin Microbiol* **61**:e00438-23.

Morticelli, L., C. Rossdam, S. Cajic, D. Böthig, M. Magdei, S.R. Tuladhar, B. Petersen, K. Fischer, E. Rapp, S. Korossis, A. Haverich, A. Schnieke, H. Niemann, F.F.R. Buettner, and A. Hilfiker. 2023. Genetic knockout of porcine *GGTA1* or *CMAH/GGTA1* is associated with the emergence of neo-glycans. *Xenotransplantation* **30**:e12804.

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 Environ Virol* **15**:32-42.

Müller, M., K. Fischer, E. Wöhnke, L.M. Zaack, C. Prönnecke, M.R. Knittler, A. Karger, S. Diederich, and S. Finke. 2023. Analysis of Nipah Virus Replication and Host Proteome Response Patterns in Differentiated Porcine Airway Epithelial Cells Cultured at the Air-Liquid Interface. *Viruses* **15**:961.

Müller, T., R.M. Wallace, and C.M. Freuling. 2023. Rabies importation in dogs and reduction of waiting period - The fear for scientifically justified changes. *Vaccine* [Epub ahead of print; doi:10.1016/j.vaccine.2023.08.077]

Muñoz-Ruiz, M., M. Llorian, R. D'Antuono, A. Pavlova, A.M. Mavriannaki, D.R. McKenzie, B. García-Cassani, M.L. Iannitto, Y. Wu, R. Dart, D. Davies, M. Jamal-Hanjani, A. Jandke, D.S. Ushakov, and A.C. Hayday. 2023. Interferon-g-dependent interactions between tissue-intrinsic  $\gamma\delta$  T cells and tissue-infiltrating CD8 T cells limit acute contact dermatitis. *J Allergy Clin Immunol* **152**:1520-1540.

Murin, M., L. Nemcova, A. Bartkova, A. Gad, A. Lucas-Hahn, F. Strejcek, R. Prochazka, and J. Laurincik. 2023. Porcine oocytes matured in a chemically defined medium are transcriptionally active. *Theriogenology* [Epub ahead of print; doi:10.1016/j.theriogenology.2023.03.019]

Muscher-Banse, A.S., R. Daenicke, S. Dänicke, and G. Breves. 2023. Postnatal development of salivary phosphate, sodium and potassium secretion in calves. *Front Vet Sci* **10**:1294899.

Ndzomo, P., S. Tchatchouang, E.N. Tabah, T. Njamnshi, M.V.N. Tsanga, J.A. Bondi, R. Handley, C. González Beiras, J. Tchatchueng, C. Müller, S. Lüert, S. Knauf, O. Boyomo, E.M. Harding-Esch, O. Mitja, T. Crucitti, M. Marks, and S. Eyangoh. 2023. Prevalence and risk factors associated with *Haemophilus ducreyi* cutaneous ulcers in Cameroon. *PLoS Neglect Trop Dis* **17**:e0011553.

Neumann, B., A. Hierl, S. Wunderlich, H. Meier, C. Bauer, S.T. Gerner, G. Rieder, T. Geis, J. Kunkel, M. Bauswein, H.H. Niller, B. Schmidt, D. Rubbenstroth, M. Beer, R.A. Linker, J. Jantsch, and K. Angstwurm. 2023. Cerebrospinal fluid in Borna disease virus 1 (BoDV-1) encephalitis. *J Neurol Sci* 446:120568.

Niemann, M., M. Ort, L. Lauterbach, M. Streitz, A. Wilhelm, G. Grütz, F.N. Fleckenstein, F. Graef, A. Blankenstein, S. Reinke, U. Stöckle, C. Perka, G.N. Duda, S. Geißler, T. Winkler, and T. Maleitzke. 2023. Individual immune cell and cytokine profiles determine platelet-rich plasma composition. *Arthritis Res Ther* 25:6.

Ning, Y., W. Wang, P.M. Jordan, S.A. Barth, R.K. Hofstetter, J. Xu, X. Zhang, Y. Cai, C. Menge, X. Chen, and O. Werz. 2023. *Mycobacterium tuberculosis*-Induced Prostaglandin J2 and 15-Deoxy-Prostaglandin J2 Inhibit Inflammatory Signals in Human M1 Macrophages via a Negative Feedback Loop. *J Immunol* 210:1564-1575.

Nippert, S., D. Rubbenstroth, J. Geers, A. Ebinger, D. Hoffmann, A. Breithaupt, C. Wylezich, X. Wang, V. Haring, P. Starcky, P. Fruci, C. Langner, C. Trapp, H. Schulz, W. Stubbe, C. Imholt, G. Heckel, M. Beer, F. Pfaff, and R.G. Ulrich. 2023. Continuous presence of genetically diverse rustrela virus lineages in yellow-necked field mouse reservoir populations in northeastern Germany. *Virus Evol* 9:vead048.

Nossol, C., P. Landgraf, A. Barta-Böszörményi, S. Kahlert, J. Kluess, B. Isermann, O. Stork, D.C. Dieterich, S. Dänicke, and H.-J. Rothkötter. 2023. Deoxynivalenol affects cell metabolism in vivo and inhibits protein synthesis in IPEC-1 cells. *Mycotoxin Res* 39:219-231.

Obert, A.J., A.L. Kern, A. Voskrebenez, T.F. Kaireit, C. Cristosto, M. Greer, E.T. Krause, F. Wacker, and J. Vogel-Claussen. 2023. Volume-Controlled <sup>19</sup>F MR Ventilation Imaging of Fluorinated Gas. *J Magn Reson Imaging* 57:1114-1128.

O'Donnell, K.L., J. Callison, H. Feldmann, T. Hoenen, and A. Marzi. 2023. Single-dose treatment with VSV-EBOV expressing Ebola virus-specific artificial miRNAs does not protect mice from lethal disease. *J Infect Dis* 228:jjad121.

Oļševskis, E., M. Masiulis, M. Seržants, K. Lamberga, Ž. Šteingolde, L. Krivko, S. Cvetkova, J. Buitkuvienė, S. Pilevičienė, L. Zani, N. Denzin, and K. Depner. 2023. Do Seropositive Wild Boars Pose a Risk for the Spread of African Swine Fever? Analysis of Field Data from Latvia and Lithuania. *Pathogens* 12:723.

One Health High-Level Expert Panel<sup>1</sup>. 2023. Comment: One Health action for health security and equity. *Lancet* 401:530-553.

One Health High-Level Expert Panel (OHHLEP), D.T.S. Hayman, W.B. Adisasmito, S. Almuhairi, C.B. Behraves, P. Bilivogui, S.A. Bukachi, N. Casas, N. Cedié Becerra, D.F. Charron, A. Chaudhary, J.R. Giacci Zanella, A.A. Cunningham, O. Dar, N. Debnath, B. Dungu, E. Farag, G.F. Gao, M. Khaitsa, C. Machalaba, J.S. Mackenzie, W. Markotter, T.C. Mettenleiter, S. Morand, V. Smolenskiy, L. Zhou, and M. Koopmans. 2023. Developing One Health surveillance systems. *One Health* 17:100617.

Palencia, P., S. Blome, R.K. Brook, E. Ferroglio, Y.-S. Jo, A. Linden, V. Montoro, M.-L. Penrith, R. Plhal, J. Vicente, A. Viltrop, and C. Gortázar. 2023. Tools and opportunities for African swine fever control in wild boar and feral pigs: a review. *Eur J Wildlife Res* 69:69.

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<sup>1</sup> Adisasmito, W.B., S. Almuhairi, C.B. Behraves, P. Bilivogui, S.A. Bukachi, N. Casas, N. Cedié Becerra, D.F. Charron, A. Chaudhary, J.R. Ciacci Zanella, A.A. Cunningham, O. Dar, N. Debnath, B. Dungu, E. Farag, G.F. Gao, D.T.S. Hayman, M. Khaitsa, M.P. Koopmans, C. Machalaba, J.S. Mackenzie, W. Markotter, T.C. Mettenleiter, S. Morand, V. Smolenskiy, and L. Zhou



Pannhorst, K., J. Carlson, J.E. Hölper, F. Grey, J.K. Baillie, D. Höper, E. Wöhnke, K. Franzke, A. Karger, W. Fuchs, and T.C. Mettenleiter. 2023. The non-classical major histocompatibility complex II protein SLA-DM is crucial for African swine fever virus replication. *Sci Rep* 13:10342.

Pastore, F., H. Gittinger, S. Raab, S. Tschuri, B. Ksienzyk, N.P. Konstandin, S. Schneider, M. Rothenberg-Thurley, H.-P. Horny, M. Werner, M.C. Sauerland, S. Amler, D. Görlich, W.E. Berdel, B. Wörmann, J. Braess, W. Hiddemann, J. Tischer, T. Herold, K.H. Metzeler, and K. Spiekermann. 2023. Acute megakaryoblastic leukaemia shows high frequency of chromosome 1q aberrations and dismal outcome. *Brit J Haematol* 202:1165-1177.

Penner, I., M. Dejung, A. Freiwald, F. Butter, J.-X. Chen, and B. Plachter. 2023. Proteome changes of fibroblasts and endothelial cells upon incubation with human cytomegalovirus subviral Dense Bodies. *Sci Data* 10:517.

Penrith, M.-L., J. van Heerden, D.U. Pfeiffer, E. Oļševskis, K. Depner, and E. Chenais. 2023. Innovative Research Offers New Hope for Managing African Swine Fever Better in Resource-Limited Smallholder Farming Settings: A Timely Update. *Pathogens* 12:355.

Petersen, B. 2023. Editorial: Genetic engineering in farm animals. *Front Genet* 14:1155201.

Pfaff, F., K. Kramer, J. King, K. Franzke, T. Rosenberger, D. Höper, P. König, D. Hoffmann, and M. Beer. 2023. Detection of Novel Poxvirus from Gray Seal (*Halichoerus grypus*), Germany. *Emerg Infect Dis* 29:1202-1205.

Pickrodt, C., K. Donat, U. Moog, and H. Köhler. 2023. *Mycobacterium avium* subsp. *Paratuberculosis* in Different Environmental Samples from a Dairy Goat Barn—Implications for Sampling Strategies for Paratuberculosis Diagnostic and Prevention. *Animals* 13:1688.

Pickrodt, C., H. Köhler, U. Moog, E.M. Liebler-Tenorio, and P. Möbius. 2023. Molecular Diversity of *Mycobacterium avium* subsp. *paratuberculosis* in Four Dairy Goat Herds from Thuringia (Germany). *Animals* 13:3542.

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*. *Bundesgesundheitsbl* 66:75-83.

Pilchová, V., I. Gerhauser, F. Armando, K. Wirz, N. de Buhr, G. Gabriel, K. Wernike, D. Hoffmann, M. Beer, W. Baumgärtner, M. von Köckritz-Blickwede, and C. Schulz. 2023. Characterization of young and aged ferrets as animal models for SARS-CoV-2 infection with focus on neutrophil extracellular traps. *Front Immunol* 14:1283595.

Pischke, S., E.V. Knoop, M. Mader, L. Kling, A. Wolski, A. Wagner, K. Müller, T. Horvatits, J. Stiller, K. Wisnewski, B. Kohn, J. Schulze zur Wiesch, M.H. Groschup, and M. Eiden. 2023. Anti-HEV seroprevalence and rate of viremia in a German cohort of dogs, cats, and horses. *Sci Rep* 13:19240.

Podvalnaya, N., A.W. Bronkhorst, R. Lichtenberger, S. Hellmann, E. Nischwitz, T. Falk, E. Karaulanov, F. Butter, S. Falk, and R.F. Ketting. 2023. piRNA processing by a trimeric Schlafen-domain nuclease. *Nature* 622:402-409.

Pohlmann, A., O. Stejskal, J. King, S. Bouwhuis, E. Ballstaedt, B. Hälterlein, V. Hennig, L. Stacker, A. Graaf, C. Hennig, A. Günther, Y. Liang, C. Hjulsgager, M. Beer, and T. Harder. 2023. Mass mortality among colony-breeding seabirds in the German Wadden Sea in 2022 due to distinct genotypes of HPAIV H5N1 clade 2.3.4.4b. *J Gen Virol* 104:001834.

Postler, T.S., M. Beer, B.J. Blitvich, J. Bukh, X. de Lamballerie, J.F. Drexler, A. Imrie, A. Kapoor, G.G. Karganova, P. Lemey, V. Lohmann, P. Simmonds, D.B. Smith, J.T. Stapleton, and J.H. Kuhn.



2023. Renaming of the genus *Flavivirus* to *Orthoflavivirus* and extension of binomial species names within the family *Flaviviridae*. *Arch Virol* **168**:224.

Preuße, G., V. Porstmann, T. Bartels, C. Schnabel, R. Galli, E. Koch, M. Oelschlägel, O. Uckermann, and G. Steiner. 2023. Highly sensitive and quick in ovo sexing of domestic chicken eggs by two-wavelength fluorescence spectroscopy. *Anal Bioanal Chem* **415**:603-613.

Rabalski, L., A. Milewska, A. Pohlmann, K. Gackowska, T. Lepionka, K. Szczepaniak, A. Swiatalska, I. Sieminska, A. Zbigniew, M. Beer, M.P. Koopmans, M. Grzybek, and K. Pyrc. 2023. Emergence and potential transmission route of avian influenza A (H5N1) virus in domestic cats in Poland, June 2023. *Eurosurveillance* **28**:2300390.

Ramirez-Medina, E., L. Velazquez-Salinas, A. Rai, N. Espinoza, A. Valladares, E. Silva, L. Burton, E. Spinard, A. Meyers, G. Risatti, S. Calvelage, S. Blome, D.P. Gladue, and M.V. Borca. 2023. Evaluation of the Deletion of the African Swine Fever Virus Gene O174L from the Genome of the Georgia Isolate. *Viruses* **15**:2134.

Rau, J., S. Fischer, D. Werner, and H. Kampen. 2023. Impact of larvae of the Asian tiger mosquito *Aedes albopictus* on larvae of the *Culex pipiens* complex from Germany in laboratory co-breeding studies. *Med Vet Entomol* **37**:523-533.

Rau, J., K. Köchling, M. Schäfer, B.A. Tews, C. Wylezich, G.A. Schaub, D. Werner, and H. Kampen. 2023. Viral RNA in Mosquitoes (Diptera: Culicidae) Collected between 2019 and 2021 in Germany. *Viruses* **15**:2298.

Reemtsma, H., C.M. Holicki, C. Fast, F. Bergmann, M.H. Groschup, and U. Ziegler. 2023. A Prior Usutu Virus Infection Can Protect Geese from Severe West Nile Disease. *Pathogens* **12**:959.

Rhazi, H., I. Tifrouin, K. Mikou, O. Belayadi, N. Safini, M. Alhyane, K.O. Tadlaoui, M. Lenk, and M. Elharrak. 2023. Poxvirus sensitivity of a novel diploid sheep embryonic heart cell line. *Arch Virol* **168**:232.

Richter, M., K. Schulz, T. Elflein, J. Achterberg, E. Oļševskis, M. Seržants, K. Lambergā, F.J. Conraths, and C. Sauter-Louis. 2023. The First Eighteen Months of African Swine Fever in Wild Boar in Saxony, Germany and Latvia—A Comparison. *Pathogens* **12**:87.

Richter, P., U. Stursberg, I. Pfeiffer, G. Loesenbeck, C. Sauter-Louis, K. Hartmann, R.S. Mueller, R. Doerfelt, and B.S. Schulz. 2023. Intradermal testing and serum allergen-specific IgE-testing in cats with naturally occurring feline bronchial disease. *Tierärztl Prax K* **51**:403-410.

Rietz, J., S.T.S. van Beeck Calkoen, N. Ferry, J. Schlüter, H. Wehner, K.-H. Schindlitz, T. Lackner, C. von Hoermann, F.J. Conraths, J. Müller, and M. Heurich. 2023. Drone-Based Thermal Imaging in the Detection of Wildlife Carcasses and Disease Management. *Transbound Emerg Dis* **2023**:5517000.

Rivas, J., A. Dubois, A. Blanquer, M. Gérardy, U. Ziegler, M.H. Groschup, L. Grobet, and M.-M. Garigliany. 2023. Tendon-Derived Mesenchymal Stem Cells (TDSCs) as an In Vitro Model for Virological Studies in Wild Birds. *Viruses* **15**:1455.

Rogoll, L., A.-K. Güttner, K. Schulz, H. Bergmann, C. Staubach, F.J. Conraths, and C. Sauter-Louis. 2023. Seasonal Occurrence of African Swine Fever in Wild Boar and Domestic Pigs in EU Member States. *Viruses* **15**:1955.

Rogoll, L., K. Schulz, F.J. Conraths, and C. Sauter-Louis. 2023. African Swine Fever in Wild Boar: German Hunters' Perception of Surveillance and Control—A Questionnaire Study. *Animals* **13**:2813.

Romanov, M.N., J. Sölkner, N.A. Zinovieva, K. Wimmers, and S. Weigend. 2023. Editorial: Traditional and up-to-date genomic insights into domestic animal diversity. *Front Genet* **13**:1117708.

Romey, A., H.G. Ularamu, A. Bulut, S.M. Jamal, S. Khan, M. Ishaq, M. Eschbaumer, G.J. Belsham, C. Bernelin-Cottet, A. Relmy, M. Gondard, B. Souheyla, Y.S. Wungak, C. Hamers, P. Hudelet, S. Zientara, L. Bakkali-Kassimi, and S. Blaise-Boisseau. 2023. Field Evaluation of a Safe, Easy, and Low-Cost Protocol for Shipment of Samples from Suspected Cases of Foot-and-Mouth Disease to Diagnostic Laboratories. *Transbound Emerg Dis* 2023:9555213.

Roth, N., J. Gergen, K. Kovacicova, S.O. Müller, L. Ulrich, J. Schön, N.J. Halwe, C. Fricke, B. Corleis, A. Dorhoi, D. Hoffmann, M. Beer, D. Maione, B. Petsch, and S. Rauch. 2023. Assessment of Immunogenicity and Efficacy of CV0501 mRNA-Based Omicron COVID-19 Vaccination in Small Animal Models. *Vaccines* 11:318.

Rubbenstroth, D., and M. Beer. 2023. Bornavirus-Enzephalitiden (Borna disease virus 1, BoDV-1; variegated squirrel bornavirus 1, VSBV-1). *Z Gastroenterol* 61:485-486.

Rüster, V., A.K. Lückemann, M. Wittmann, C. Strube, and T. Bartels. 2023. Successful long-term control of poultry red mite (*Dermanyssus gallinae*) infestations in floor-kept laying hens via integrated pest management—a case report. *Parasitol Res* [Epub ahead of print; doi:10.1007/s00436-023-07954-9]

Saeed, M.A., A.U. Khan, S. Ehtisham-ul-Haque, U. Waheed, M.F. Qamar, A. ur Rehman, A. Nasir, M.A. Zaman, M. Kashif, J.-P. Gonzalez, and H. El-Adawy. 2023. Detection and Phylogenetic Analysis of Extended-Spectrum  $\beta$ -Lactamase (ESBL)-Genetic Determinants in Gram-Negative Fecal-Microbiota of Wild Birds and Chicken Originated at Trimmu Barrage. *Antibiotics* 12:1376.

Saeed, M.A., M. Saqlain, U. Waheed, S. Ehtisham-ul-Haque, A.U. Khan, A. ur Rehman, M. Sajid, F.A. Atif, H. Neubauer, and H. El-Adawy. 2023. Cross-Sectional Study for Detection and Risk Factor Analysis of ESBL-Producing Avian Pathogenic *Escherichia coli* Associated with Backyard Chickens in Pakistan. *Antibiotics* 12:934.

Sanchez, M.-P., T. Tribout, N.K. Kadri, P.K. Chitneedi, S. Maak, C. Hozé, M. Boussaha, P. Croiseau, R. Philippe, M. Spengeler, C. Kühn, Y. Wang, C. Li, G. Plastow, H. Pausch, and D. Boichard. 2023. Sequence-based GWAS meta-analyses for beef production traits. *Genet Select Evol* 55:70.

Sänger, P.-A., M. Knüpfer, M. Kegel, B. Spanier, E.M. Liebler-Tenorio, and T.M. Fuchs. 2023. Regulation and Functionality of a Holin/Endolysin Pair Involved in Killing of *Galleria mellonella* and *Caenorhabditis elegans* by *Yersinia enterocolitica*. *Appl Environ Microbiol* 89:e0003623.

Santa, M.A., G. Umhang, C. Klein, D.M. Grant, K.E. Ruckstuhl, M. Musiani, J.S. Gilleard, and A. Massolo. 2023. It's a small world for parasites: evidence supporting the North American invasion of European *Echinococcus multilocularis*. *Proc R Soc B-Biol Sci* 290:20230128.

Santos, P.D., A. Günther, M. Keller, T. Homeier-Bachmann, M.H. Groschup, M. Beer, D. Höper, and U. Ziegler. 2023. An advanced sequence clustering and designation workflow reveals the enzootic maintenance of a dominant West Nile virus subclade in Germany. *Virus Evol* 9:vead013.

Sasaya, T., G. Palacios, T. Briese, F. Di Serio, M.H. Groschup, Y. Neriya, J.-W. Song, and Y. Tomitaka. 2023. ICTV Virus Taxonomy Profile: *Phenuiviridae* 2023. *J Gen Virol* 104:e001893.

Schäfer, I., B. Kohn, C. Silaghi, S. Fischer, C. Marsboom, G. Hendrickx, and E. Müller. 2023. Molecular and Serological Detection of *Anaplasma phagocytophilum* in Dogs from Germany (2008-2020). *Animals* 13:720.

van Schaik, G., A. Madouasse, A.M. van Roon, S.J. More, D.A. Graham, J. Frössling, J. Gethmann, C. Fourichon, M. Mercat, E. Ågren, C. Sauter-Louis, G.J. Gunn, J. Eze, R. Humphry, M.K. Henry, M. Guelbenzu, M. Nielen, and I.M.G.A. Santman-Berends. 2023. A framework for assessing confidence in freedom from infection in animal disease control programmes. *Sci Tech Rev* 42:210-217.

Schale, P., E.F. Arkenau, A.O. Schmitt, S. Dänicke, J. Kluess, and A. Grümpel-Schlüter. 2023. Estimates of Water Consumption of Growing Pigs under Practical Conditions Based on Climate and Performance Data. *Animals* 13:1547.

- Schären-Bannert, M., W. Wippermann, A. Wöckel, L. Vogel, B. Waurich, F. Rachidi, F. Fröhlich, C. Felgentreu, J. Wittich, E. Bannert, G. Hermenau, P. Hufe, D. May, S. Dänicke, H. Swalve, and A. Starke. 2023. Evaluation of multifactorial digestive disorders in a dairy herd at different stages of lactation. *Tierärztl Prax G* 51:237-247.
- Scheibner, D., A.H. Salaheldin, O. Bagato, L.M. Zaack, A. Mostafa, U. Blohm, C. Müller, A.F. Eweas, K. Franzke, A. Karger, A. Schäfer, M. Gischke, D. Hoffmann, S. Lerolle, X. Li, H.S. Abd El-Hamid, J. Veits, A. Breithaupt, G.-J. Boons, M. Matrosovich, S. Finke, S. Pleschka, T.C. Mettenleiter, R.P. de Vries, and E.M. Abdelwhab. 2023. Phenotypic effects of mutations observed in the neuraminidase of human origin H5N1 influenza A viruses. *PLoS Pathog* 19:e1011135.
- Schlohsarczyk, E.K., S. Drewes, P. Koteja, S. Röhrs, R.G. Ulrich, J.P. Teifke, and C. Herden. 2023. Tropism of *Puumala orthohantavirus* and Endoparasite Coinfection in the Bank Vole Reservoir. *Viruses* 15:612.
- Schmies, K., T. Harder, A. Graaf, and E. große Beilage. 2023. Influenzavirus-Infektionen bei Schweinen: Risikofaktoren und Risikominimierung. *Prakt Tierarzt* 104:582-591.
- Schmitz, S.R., C. Klier, C. Princk, K.M. Meyer-Schlinkmann, M. Mylius, K. Dressel, S. Kleele, F. Winter, A. Campe, J. Rissland, A. Sternjakob, G. Dobler, R. Oehme, R.G. Ulrich, and J. Dreesman. 2023. ÖGD-Expertise in die Forschung bringen: eine Workshop-Reihe zu vektorübertragenen und weiteren zoonotischen Erkrankungen. *Gesundheitswesen* 85:955-958.
- Schmitz, S., C. Princk, K.M. Meyer-Schlinkmann, M. Mylius, N.S. Bier, A. Baillot, M. Monozahian, R.G. Ulrich, A. Mayer-Scholl, and J. Dreesman. 2023. Risk factors for *Leptospira* seropositivity in rural Northern Germany, 2019. *Epidemiol Infect* 151:e17.
- Schomburg, H., J. Malchow, O. Sanders, J. Knöll, and L. Schrader. 2023. Elevated platforms with integrated weighing beams allow automatic monitoring of usage and activity in broiler chickens. *Smart Agric Technol* 3:100095.
- Schotte, U., A. Binder, K.V. Goller, M. Faulde, S. Ruhl, S. Sauer, M. Schlegel, J.P. Teifke, R.G. Ulrich, and C. Wylezich. 2023. Field survey and molecular characterization of apicomplexan parasites in small mammals from military camps in Afghanistan. *Parasitol Res* 122:1199-1211.
- Schultheiß, U., R. Zapf, J. Brinkmann, K. Cimer, S. March, L. Schrader, A. Schubbert, S. Lühken, D. Gieseke, S. Michaelis, and U. Knierim. 2023. Tools for on-farm self-assessment of animal welfare. *Landtechnik-Agricultural Engineering* 78:114-123.
- Schultheiß, U., R. Zapf, J. Brinkmann, K. Cimer, S. March, L. Schrader, A. Schubbert, S. Lühken, D. Gieseke, S. Michaelis, and U. Knierim. 2023. Werkzeuge für betriebliche Eigenkontrollen zum Tierwohl. *Landtechnik-Agricultural Engineering* 78:114-124.
- Schulze-Luehrmann, J., E. Liebler-Tenorio, A. Felipe-López, and A. Lührmann. 2023. Cell death induction facilitates egress of *Coxiella burnetii* from infected host cells at late stages of infection. *Mol Microbiol* [Epub ahead of print; doi:10.1111/mmi.15210]
- Schürmann, P., S. Becker, E.T. Krause, S. Hillemacher, W. Büscher, and I. Tiemann. 2023. Exploratory Study on Individual Locomotor Activity in Local Dual-Purpose and Commercial Breeder Pullets. *Animals* 13:2879.
- Schwerdtfeger, J., H. Sauerwein, E. Albrecht, G. Mazzuoli-Weber, D. von Soosten, S. Dänicke, and B. Kuhla. 2023. The effect of *N*-arachidonylethanolamide administration on energy and fat metabolism of early lactating dairy cows. *Sci Rep* 13:14665.
- Sehl-Ewert, J., V. Friedrichs, T. Carrau, P. Deutschmann, and S. Blome. 2023. Pathology of African Swine Fever in Reproductive Organs of Mature Breeding Boars. *Viruses* 15:729.

Seyedalmoosavi, M.M., M. Mielenz, K. Schleifer, S. Görs, P. Wolf, J. Träncker, L. Hüther, S. Dänicke, G. Daş, and C.C. Metges. 2023. Upcycling of recycled minerals from sewage sludge through black soldier fly larvae (*Hermetia illucens*): Impact on growth and mineral accumulation. *J Environ Manage* 344:118695.

Shawulu, J.C., J.O. Hambolu, J.O. Olopade, S.A. Ojo, A. Balkema-Buschmann, and R. Ulrich. 2023. Age, and non-age-related cytoarchitectural changes in the brain of some Nigerian cattle. *Braz J Vet Pathol* 16:35-45.

Siddiqui, M.S.I., A. Globig, B. Hoffmann, M.M. Rahman, M.R. Islam, and E.H. Chowdhury. 2023. Development of cell culture based peste des petits ruminants (PPR) virus vaccine candidate from Bangladeshi isolates. *J Virol Methods* 314:114690.

Simianer, H., J. Heise, S. Rensing, T. Pook, J. Geibel, and C. Reimer. 2023. How economic weights translate into genetic and phenotypic progress, and vice versa. *Genet Select Evol* 55:38.

Singha, H., A. Tuanyok, M.C. Elschner, K. Laroucau, and C. Mukhopadhyay. 2023. Editorial: Editorial: Glanders and melioidosis: one health model. *Front Vet Sci* 10:1303556.

Smith, J., J.M. Alfieri, N. Anthony, P. Arensburger, G.N. Athrey, J. Balacco, A. Balic, P. Bardou, P. Barela, Y. Bigot, H. Blackmon, P.M. Borodin, R. Carroll, M.C. Casono, M. Charles, H. Cheng, M. Chiodi, L. Cigan, L.M. Coghill, R.P.M.A. Crooijmans, N. Das, S. Davey, A. Davidian, F. Degalez, J.M. Dekkers, M.F.L. Derks, A.B. Diack, A. Djikeng, Y. Drechsler, A. Dyomin, O. Fedrigo, S.R. Fiddaman, G. Formenti, L.A.F. Frantz, J.E. Fulton, E. Gaginskaya, S. Galkina, R.A. Gallardo, J. Geibel, A. Gheyas, C.J.P. Godinez, A. Goodell, J.A.M. Graves, D.K. Griffin, B. Haase, J.-L. Han, O. Hanotte, L.J. Henderson, Z.-C. Hou, K. Howe, L. Huynh, E. Ilatsia, E. Jarvis, S.M. Johnson, J. Kaufman, T. Kelly, S. Kemp, C. Kern, J.H. Keroack, C. Klopp, S. Lagarrigue, S.J. Lamont, M. Lange, A. Lanke, D.M. Larkin, G. Larson, J.K.N. Layos, O. Lebrasseur, L.P. Lyubov, R.J. Martin, M.L. Martin Cerezo, A.S. Mason, F.M. McCarthy, M.J. McGrew, J. Mountcastle, C.K. Muhonja, W. Muir, K. Muret, T. Murphy, I. Ng'ang'a, M. Nishibori, R. O'Connor, M. Ogugo, R. Okimoto, O. Ouko, H.R. Patel, F. Perini, M.I. Pigozzi, K.C. Potter, P.D. Price, C. Reimer, E.S. Rice, N. Rocos, T.F. Rogers, P. Saelao, J. Schauer, R. Schnabel, V. Schneider, H. Simianer, A. Smith, M.P. Stevens, K. Stiers, C.K. Tiambo, M. Tixier-Boichard, A.A. Torgasheva, A. Tracey, C.A. Tregaskes, L. Vervelde, Y. Wang, W.C. Warren, P.D. Waters, D. Webb, S. Weigend, A. Wolc, A.E. Wright, D. Wright, Z. Wu, M. Yamagata, C. Yang, Z.-T. Yin, M.C. Young, G. Zhang, B. Zhao, and H. Zhou. 2023. Fourth Report on Chicken Genes and Chromosomes 2022. *Cytogenet Genome Res* 162:405-527.

Smreczak, M., A. Orłowska, P. Trębas, A. Stolarek, C. Freuling, and T. Müller. 2023. Re-emergence of rabies in Mazowieckie Voivodeship, Poland, 2021. *Zoonoses Public Health* 70:111-116.

Sørensen, E.F., R.A. Harris, L. Zhang, M. Raveendran, L.F.K., L.F.K. Kuderna, J.A. Walker, J.M. Storer, M. Kuhlwilm, C. Fontseré, L. Seshadri, C.M. Bergey, A.S. Burrell, J. Bergmann, J.E. Phillips-Conroy, F. Shiferaw, K.L. Chiou, I.S. Chuma, J.D. Keyyu, J. Fischer, M.-C. Gingras, S. Salvi, H. Doddapaneni, M.H. Schierup, M.A. Batzer, C.J. Jolly, S. Knauf, D. Zinner, K.K.-H. Farh, T. Marques-Bonet, K. Munch, C. Roos, and J. Rogers. 2023. Genome-wide coancestry reveals details of ancient and recent male-driven reticulation in baboons. *Science* 380:eabn8153.

Spatz, S., M. García, W. Fuchs, C. Loncoman, J. Volkening, T. Ross, S. Riblet, T. Kim, N. Likens, and T. Mettenleiter. 2023. Reconstitution and Mutagenesis of Avian Infectious Laryngotracheitis Virus from Cosmid and Yeast Centromeric Plasmid Clones. *J Virol* 97:e0140622.

Staderini, M., S. Vanni, A. Colini Baldeschi, G. Giachin, M. Zattoni, L. Celauro, C. Ferracin, E. Bistaffa, F. Moda, D.I. Pérez, A. Martínez, M.A. Martín, O. Martín-Cámara, Á. Cores, G. Bianchini, R. Kammerer, J.C. Menéndez, G. Legname, and M.L. Bolognesi. 2023. Bifunctional carbazole derivatives for simultaneous therapy and fluorescence imaging in prion disease murine cell models. *Eur J Med Chem* 245:114923.

Taleva, G., M. Husová, B. Panicucci, C. Hierro-Yap, E. Pineda, M. Biran, M. Moos, P. Šimek, F. Butter, F. Bringaud, and A. Ziková. 2023. Mitochondrion of the *Trypanosoma brucei* long slender

bloodstream form is capable of ATP production by substrate-level phosphorylation. *PLoS Pathog* **19**:e1011699.

**Teifke, J.P., C. Peuckert, J.-C. Rudnick, K. Büttner, and H. Bostedt.** 2023. Computed Tomographic and Histopathologic Studies of Lung Function Immediately *Post Natum* in Canine Neonates. *Animals* **13**:1741.

**Thal, D., and T.C. Mettenleiter.** 2023. One Health—Key to Adequate Intervention Measures against Zoonotic Risks. *Pathogens* **12**:415.

**Thomas, C., U. Methner, M. Marz, and J. Linde.** 2023. Oxford Nanopore Technologies - a valuable tool to generate Whole Genome Sequencing Data for in silico Serotyping and the Detection of Genetic Markers in Salmonella. *Front Vet Sci* **10**:1178922.

**Tidman, R., A.S. Fahrion, S.M. Thumbi, R.M. Wallace, K. De Balogh, V. Iwar, G. Yale, and I. Dieuzy-Labayé.** 2023. United Against Rabies Forum: The first 2 years. *Front Publ Health* **11**:1010071.

**Tiwari, S.K., B.C.L. van der Putten, T.M. Fuchs, T.N. Vinh, M. Bootsma, R. Oldenkamp, R. La Ragione, S. Matamoros, N.T. Hoa, C. Berens, J. Leng, J. Álvarez, M. Ferrandis-Vila, J.M. Ritchie, A. Fruth, S. Schwarz, L. Domínguez, M. Ugarte-Ruiz, A. Bethe, C. Huber, V. Johanns, I. Stamm, L.H. Wieler, C. Ewers, A. Fivian-Hughes, H. Schmidt, C. Menge, T. Semmler, and C. Schultsz.** 2023. Genome-wide association reveals host-specific genomic traits in *Escherichia coli*. *BMC Biology* **21**:76.

**Triebel, S., K. Sachse, M. Weber, M. Heller, C. Diezel, M. Hölzer, C. Schnee, and M. Marz.** 2023. De novo genome assembly resolving repetitive structures enables genomic analysis of 35 European *Mycoplasma bovis* strains. *BMC Genomics* **24**:548.

**Trujillo, M., A. Conan, A.C. Calchi, K. Mertens-Scholz, A.A.M.J. Becker, C. Gallagher, A. Mau, S. Marchi, M. Machado, M.R. André, A. Chapwanya, and A. Müller.** 2023. *Coxiella burnetii* shedding and serological status in pregnant and postpartum ewes. *Acta Trop* **244**:106962.

**Tumusiime, D., A.M. Nijhof, M.H. Groschup, J. Lutwama, K. Roesel, and B. Bett.** 2023. Participatory survey of risk factors and pathways for Rift Valley fever in pastoral and agropastoral communities of Uganda. *Prev Vet Med* **221**:106071.

**Tsangaras, K., J. Mayer, O. Mirza, A. Dayaram, D.P. Higgins, B. Bryant, M. Campbell-Ward, C. Sangster, A. Casteriano, D. Höper, M. Beer, and A.D. Greenwood.** 2023. Evolutionarily Young African Rhinoceros Gammaretroviruses. *J Virol* **97**:e0193222.

**Ulrich, R.G., S. Drewes, V. Haring, J. Panajotov, M. Pfeffer, 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* **66**:599-616.

**Umair, M., A. Claes, M. Buijtendorp, J. Cuervo-Arango, T.A.E. Stout, and H. Henning.** 2023. In vitro aging of stallion spermatozoa during prolonged storage at 5 °C. *Cytom Part A* **103**:479-491.

**Vereecke, N., S. Zwickl, S. Gumbert, A. Graaf, T. Harder, M. Ritzmann, K. Lillie-Jaschniski, S. Theuns, and J. Stadler.** 2023. Viral and Bacterial Profiles in Endemic Influenza A Virus Infected Swine Herds Using Nanopore Metagenomic Sequencing on Tracheobronchial Swabs. *Microbiol Spectr* **11**:e0009823.

**Vos, A., S. Kasemsuwan, K. Leelahapongsathon, K. Bobe, D. Perez-Bravo, J. Kliemt, P. Phawaphutayanchi, N. Aiyara, C.M. Freuling, and T. Müller.** 2023. Long-term immunity induced by SPBN GASGAS in orally vaccinated dogs is non-inferior to inactivated rabies vaccines. *Vaccine: X* **15**:100410.

**Wallukat, G., K. Wernike, D.B. Somesh, T.C. Mettenleiter, and J. Müller.** 2023. Animals Experimentally Infected with SARS-CoV-2 Generate Functional Autoantibodies against G-Protein-Coupled Receptors. *Biomedicines* **11**:2668.



Wang, Y., S. Zheng, W. Zeng, J. Yin, Y. Li, Y. Ren, X. Mo, C. Shi, S.M. Bergmann, and Q. Wang. 2023. Comparative transcriptional analysis between virulent isolate HN1307 and avirulent isolate GD1108 of grass carp reovirus genotype II. *Dev Comp Immunol* **147**:104893.

Wareth, G., N.H. Abdel-Hamid, M.E.R. Hamdy, W. Elmonir, E.I.M. Beleta, M. El-Diasty, M.Y. Abdel-Gliil, F. Melzer, and H. Neubauer. 2023. Whole-genome sequencing (WGS) analysis of *Brucella suis* biovar 2 isolated from domestic pigs in Egypt for epidemiological and genetic diversity tracing. *Vet Microbiol* **277**:109637.

Wendt, L., M.J. Pickin, B.S. Bodmer, S. Reiche, L. Fénéant, J.E. Hölper, W. Fuchs, A. Groseth, and T. Hoenen. 2023. N<sup>6</sup>-methyladenosine is required for efficient RNA synthesis of Ebola virus and other haemorrhagic fever viruses. *Emerg Microbes Infect* **12**:2223732.

Wielgus, E., A. Klamm, F.J. Conraths, C.F. Dormann, M. Henrich, F. Kronthaler, and M. Heurich. 2023. First-Passage Time Analysis Based on GPS Data Offers a New Approach to Estimate Restricted Zones for the Management of Infectious Diseases in Wildlife: A Case Study Using the Example of African Swine Fever. *Transbound Emerg Dis* **2023**:4024083.

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* **66**:617-627.

Winter, S.L., G. Golani, F. Lolicato, M. Vallbracht, K. Thiyagarajah, S.S. Ahmed, C. Lüchtenborg, O.T. Fackler, B. Brügger, T. Hoenen, W. Nickel, U.S. Schwarz, and P. Chlanda. 2023. The Ebola virus VP40 matrix layer undergoes endosomal disassembly essential for membrane fusion. *EMBO J* [Epub ahead of print; doi:10.15252/emj.2023113578]

Wöhnke, E., B.G. Klupp, S. Blome, T.C. Mettenleiter, and A. Karger. 2023. Mass-Spectrometric Evaluation of the African Swine Fever Virus-Induced Host Shutoff Using Dynamic Stable Isotope Labeling with Amino Acids in Cell Culture (SILAC). *Viruses* **15**:1283.

Wolff, J., M. Beer, and B. Hoffmann. 2023. Cross-Protection of an Inactivated and a Live-Attenuated Lumpy Skin Disease Virus Vaccine against Sheeppox Virus Infections in Sheep. *Vaccines* **11**:763.

Xuan, Y., B. Petersen, and P. Liu. 2023. Human and Pig Pluripotent Stem Cells: From Cellular Products to Organogenesis and Beyond. *Cells* **12**:2075.

Yessinou, R.E., C.D. Cazan, L.C. Panait, E. Mollong, A.S. Biguezoton, S.I. Bonnet, S. Farougou, M.H. Groschup, and A.D. Mihalca. 2023. New geographical records for tick-borne pathogens in ticks collected from cattle in Benin and Togo. *Vet Med Sci* **9**:345-352.

Zaręba-Marchewka, K., A. Bomba, S. Scharf, K. Niemczuk, C. Schnee, and M. Szymańska-Czerwińska. 2023. Whole Genome Sequencing and Comparative Genomic Analysis of *Chlamydia gallinacea* Field Strains Isolated from Poultry in Poland. *Pathogens* **12**:891.

Zeeshan, M.A., S. Armad, I. Ahmed, A. ur Rehman, M.K. Rafique, A. Nasir, A.U. Khan, M. Kashif, K. Mertens-Scholz, M.I. Arshad, S. Ehtisham-ul-Haque, and H. Neubauer. 2023. Sero-epidemiological study of zoonotic bacterial abortifacient agents in small ruminants. *Front Vet Sci* **10**:1195274.

Zhou, S., L.J. Lenk, Y. Gao, Y. Wang, X. Zhao, M. Pan, S. Huang, K. Sun, P. Kalds, Q. Luo, S. Lillico, T. Sonstegard, U.I. Scholl, B. Ma, B. Petersen, Y. Chen, and X. Wang. 2023. Generation of sheep with defined *FecB<sup>B</sup>* and *TBXT* mutations and porcine blastocysts with *KCNJ5<sup>G151R/+</sup>* mutation using prime editing. *BMC Genomics* **24**:313.



## Veröffentlichungen in nicht referierten Zeitschriften/Conference Proceedings

Adrian, G., M. Dietrich, B. Esser, A. Hensel, F. Isermeyer, D. Messner, T.C. Mettenleiter, I. Paulini, S. Riewenherm, L. Schaade, R. Tiesler, and L.H. Wieler. 2023. Gemeinsam können wir den Auswirkungen des Klimawandels begegnen. *J Health Monitoring* 8(3\_DE):3-6.

Adrian, G., M. Dietrich, B. Esser, A. Hensel, F. Isermeyer, D. Messner, T.C. Mettenleiter, I. Paulini, S. Riewenherm, L. Schaade, R. Tiesler, and L.H. Wieler. 2023. Together we can counter the effects of climate change. *J Health Monitoring* 8(3\_EN):3-5.

Al-Hosary, A., A.M. Radwan, L.S. Ahmed, S.Kh. Abdelghaffar, S. Fischer, A.M. Nijhof, P.-H. Clausen, and J.S. Ahmed. 2023. Isolation and propagation of an Egyptian *Theileria annulata* infected cell line and evaluation of its use as a vaccine to protect cattle against field challenge (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-2767814/v1]

Arden, M., and L. Schrader. 2023. Bewegungsbucht - Neue Vorgaben nochmals überdenken. *SUS - Schweinezucht und Schweinemast* 01/2023:10-11.

Barner, D., C. Wylezich, Y. Marschner, S. Woelke, P. Becker, U. Fischer, S. Gerst, and J.P. Teifke. 2023. Die "Schwarzfleckenkrankheit" der Weißfußgarnele (*Penaeus vannamei* Boone, 1931). *Amtstierärztl Dienst Lebensm* 30:169-174.

Bauer, C., L.A. Lider, A.E. Ussenbayev, D.M. Seitkamzina, A.A. Zhanabayev, P. Maksimov, and M. Knaus. 2023. *Toxascaris Leonina* in Dogs - A Nematode Species of Little Interest but High Prevalence in Some Regions (Preprint). *SSRN J* [Epub ahead of print; doi:10.2139/ssrn.4537314]

Beer, M., J. Schön, G. Barut, B.S. Trüeb, N.J. Halwe, I. Veiga, A. Kratzel, L. Ulrich, J.N. Kelly, M. Brügger, C. Wylezich, A. Taddeo, E. Moreira, P. Túrós, L. Grau-Roma, A.K. Ahrens, K. Schlottau, T. Britzke, A. Breithaupt, B. Exteves, L. Almeida, L. Thomann, C. Devisme, H. Stadler, S. Steiner, S. Ochsenbein, K. Schmied, F. Labroussaa, J. Jores, P. V'kovski, V. Cmiljanovic, M.P. Alves, C. Benarafa, D. Hoffmann, N. Ebert, and V. Thiel. 2023. An adjustable, safe and highly protective live-attenuated SARS-CoV-2 vaccine based on large-scale one-to-stop codon modifications (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-3171636/v1]

Beermann, S., G. Dobler, M. Faber, C. Frank, B. Habedank, P. Hagedorn, H. Kampen, C. Kuhn, T. Nygren, J. Schmidt-Chanasit, E. Schmolz, K. Stark, R.G. Ulrich, S. Weiss, and H. Wilking. 2023. Auswirkungen von Klimaveränderungen auf Vektor- und Nagetier-assoziierte Infektionskrankheiten. *J Health Monitoring* 8(3\_DE):36-66.

Beermann, S., G. Dobler, M. Faber, C. Frank, B. Habedank, P. Hagedorn, H. Kampen, C. Kuhn, T. Nygren, J. Schmidt-Chanasit, E. Schmolz, K. Stark, R.G. Ulrich, S. Weiss, and H. Wilking. 2023. Impact of climate change on vector- and rodent-borne infectious. *J Health Monitoring* 8(3\_EN):33-61.

Benthin, J., M.L. Vonholdt-Wenker, K. Kauselmann, L. Schrader, L. Brucker, F. Christ, S. Kimmich, A. Rauen, K. Schneider, C. Urvoy, M.B.M. Bracke, E.T. Krause, C. Müller, A. Richter, M. Kugler, W. Hartmann, B. Harmsen, and M. Krause. 2023. InKalkTier: Welche Haltungssysteme sind zukunftsfähig? *DGS Magazin* [Epub 02.10.2023]

Britzke, A. Breithaupt, B. Exteves, L. Almeida, L. Thomann, C. Devisme, H. Stadler, S. Steiner, S. Ochsenbein, K. Schmied, F. Labroussaa, J. Jores, P. V'kovski, V. Cmiljanovic, M.P. Alves, C. Benarafa, D. Hoffmann, N. Ebert, and V. Thiel. 2023. An adjustable, safe and highly protective live-attenuated SARS-CoV-2 vaccine based on large-scale one-to-stop codon modifications (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-3171636/v1]

Cardoso, N., M. Eschbaumer, and A.V. Capozzo. 2023. An IgG1 Single-Dilution Avidity ELISA Predicts Cross-Protection Against Heterologous Foot-and-Mouth Disease Virus Challenge after Vaccination (Preprint). *SSRN* [Epub ahead of print; doi:10.2139/ssrn.4657879]

Conraths, F.J., R. Kallies, C. Probst, R.G. Ulrich, B. Schauer, E. Schmolz, and L. Schulte-Droesch. 2023. One Health in Deutschland. *Dt Tierärztebl* 71:596-601.

Ebinger, A., P.D. Santos, F. Pfaff, R. Dürrwald, J. Kolodziejek, K. Schlottau, V. Ruf, F. Liesche-Starnecker, A. Ensser, K. Korn, R. Ulrich, J. Fürstenau, K. Matiasek, F. Hansmann, T. Seuberlich, D. Nobach, M. Müller, A. Neubauer-Juric, M. Suchowski, M. Bauswein, H.-H. Niller, B. Schmidt, D. Tappe, D. Cadar, T. Homeier-Bachmann, V. Haring, K. Pörtner, C. Frank, L. Mundhenk, B. Hoffmann, J. Herms, W. Baumgärtner, N. Nowotny, J. Schlegel, R.G. Ulrich, M. Beer, and D. Rubbenstroth. 2023. Lethal Borna disease virus 1 (BoDV-1) infections of humans and animals - in-depth molecular epidemiology and phylogeography (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-3640627/v1]

Eger, E., T. Homeier-Bachmann, E. Adade, S. Dreyer, S.E. Heiden, P.O. Tawiah, A.A. Sylverken, S. Knauf, and K. Schaufler. 2023. Carbapenem- and cefiderocol-resistant Enterobacterales in surface waters in Kumasi, Ashanti Region, Ghana (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2023.08.04.551947]

ENETWILD-consortium, D. Gavier-Widen, E. Ferroglio, G. Smith, C. Gonçalves, R. Vada, S. Zanet, F. Gethöffer, O. Keuling, C. Staubach, C. Sauter-Louis, J.A. Blanco, I.G. Fernández de Mera, T. Podgorski, M. Larska, C. Richomme, S. Knauf, J.M. Rijks, A. Gómez, P.C. Alves, N. Santos, J. Queirós, J. Dups-Bergmann, A. Neimanis, and J. Vicente. 2023. Recommendations and technical specifications for sustainable surveillance of zoonotic pathogens where wildlife is implicated. *EFSA Support Publ* 20:7812E.

Flachowsky, G. 2023. Review der „Berichte der Gesellschaft für Ernährungsphysiologie (GfE)“. *Züchtungskunde* 95:195-197.

Freuling, C.M., E.-M. Czaja, P. Wysocki, R. Athingo, T. Tenzin, and T. Müller. 2023. Dog population estimates and rabies vaccination optimization using the High Resolution Settlement Layer (HRSL) - a proof of principle for the Oshana region, Namibia (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2023.05.11.540335]

Goatley, L.C., G.L. Freimanis, C. Tennakoon, T.J. Foster, M. Quershi, L.K. Dixon, C.A. Batten, J.H. Forth, A. Wade, and C.L. Netherton. 2023. Full genome sequence analysis of African swine fever virus isolates from Cameroon (Preprint). *bioRxiv* [Epub ahead of print; doi: 10.1101/2023.10.11.561033]

Günther, A., O. Krone, A. Globig, A. Pohlmann, J. King, C. Fast, C. Grund, C. Hennig, C. Herrmann, S. Piro, D. Rubbenstroth, J. Schulz, C. Staubach, L. Stacker, L. Ulrich, U. Ziegler, T.C. Harder, and M. Beer. 2023. Pathogen-prey-predator relations of avian raptors during epizootics of highly pathogenic avian influenza virus HPAIV H5N1 (clade 2.3.4.4b) in Germany (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2023.11.19.567176]

Halwe, N., L. Hamberger, J. Sehl-Ewert, C. Mache, J. Schön, L. Ulrich, S. Calvelage, J. Fuchs, P. Bandawane, M. Loganathan, A. Abbad, J.M. Carreño, V. Simon, G. Kayali, M. Tönnies, A. Kandeil, R. El-Shesheny, M.A. Ali, T. Wolff, M. Budt, S. Hippenstiel, A. Hocke, F. Krammer, M. Schwemmle, K. Ciminiski, D. Hoffmann, M. Bermúdez-Gonzalez, and M. Beer. 2023. The bat-borne influenza A virus H9N2 exhibits a set of unexpected pre-pandemic features (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-2937503/v1]

Harder, T., A. Graaf, C. Grund, and M. Beer. 2023. Hochpathogene aviäre Influenza - ein Update. *Amtstierärztl Dienst Lebensm* 30:98-100.

Harder, T., C. Grund, and M. Beer. 2023. Nutzen und Risiko einer Impfung von Geflügel gegen hochpathogene Aviäre Influenza. *DGS Magazin* [Epub 07.08.2023]

Harder, T.C., and K. Lillie-Jaschniski. 2023. Influenza ist ein Dauerbrenner. *SUS -Schweinezucht und Schweinemast* 05/2023:28-31.

Haring, V., B. Litz, J. Jacob, M. Brecht, M. Bauswein, J. Sehl-Ewert, M. Heroldová, D. Hoffmann, R.G. Ulrich, M. Beer, and F. Pfaff. 2023. Small in size but huge as reservoir – insights into the virome of European white-toothed shrews (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.11.14.567014]

Hiller, P., A. Meyer, K. Schemmann, M. Kölln, and J. Kluess. 2023. Nährstoffbilanz: Was vom Hähnchen übrig bleibt. DGS Magazin [Epub 30.05.2023]

Hoenen, T., and A. Groseth. 2023. Reverse Genetiksysteme zur Erforschung von Ebola-Viren. *BIOspektrum* 29:153-155.

Hungerbühler, V., R. Özcelik, M.F. Abakar, F.A. Zakaria, M. Eiden, S. Hartnack, P. Kimala, S. Kittl, J. Michel, F. Suter-Riniker, and S. Dürr. 2023. Comparative Study of Diagnostic Serology Tests for Q Fever and Rift Valley Fever in Humans and Animals in Rural Chad (Preprint). *SSRN Electronic J* [Epub ahead of print; doi:10.2139/ssrn.4562076]

Hussaini, S.M.A.K., M.H. Tito, M.M. Hasan, Md. Siddiqur Rahman, S.T. Sharmy, R.R. Sarker, A.K.M.A. Rahman, and H. Neubauer. 2023. Application of Machine Learning for Predicting Brucellosis Disease in Dairy Cattle (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-3480234/v1]

Klimkait, T., M.J. Lett, F. Otte, D. Hauser, J. Schön, E.T. Kipfer, D. Hoffmann, N.J. Halwe, A. Breithaupt, L. Ulrich, T. Britzke, Y. Zhang, V. Cmiljanovic, C. Wylezich, L. Urda, C. Lang, M. Beer, and C. Mittelholzer. 2023. Single-cycle SARS-CoV-2 vaccine elicits high protection and sterilizing immunity in hamsters (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-3124718/v1]

Križanac, A.-M., C. Reimer, J. Heise, Z. Liu, J. Pryce, J. Bennewitz, G. Thaller, C. Falker-Gieske, and J. Tetens. 2023. Sequence-based GWAS in 180 000 German Holstein cattle reveals new candidate genes for milk production traits (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.12.06.570350]

Lett, M.J., F. Otte, D. Hauser, J. Schön, E.T. Kipfer, D. Hoffmann, N.J. Halwe, L. Ulrich, Y. Zhang, V. Cmiljanovic, C. Wylezich, L. Urda, C. Lang, M. Beer, C. Mittelholzer, and T. Klimkait. 2023. Single-cycle SARS-CoV-2 vaccine elicits high protection and sterilizing immunity in hamsters (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.05.17.541127]

Lisovski, S., A. Günther, M. Dewar, D. Ainley, R. Arce, G. Ballard, J. Belliure, T. Boulonier, A. Bennison, C. Cary, P. Catry, A. Clessin, M. Connan, A. Cox, J. Cristina, M. Elrod, I. Ferreira, Z. Fowler, A. Gamble, J. Hurtado, D. Jongsomjit, M. Lejeune, A. Lescroël, A. Li, V. Morandini, G. Moratorio, T. Militão, P. Moreno, P. Perbolianachis, J. Pennycook, A.E. Schmidt, L. Smyth, A. Soutullo, J. Tornos, A. Varsani, U. Herzs Schuh, M. Beer, and M. Wille. 2023. No evidence for highly pathogenic avian influenza virus H5N1 (clade 2.3.4.4b) in the Antarctic region during the austral summer 2022/23 (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.10.24.563692]

Markotter, W., T.C. Mettenleiter, W.B. Adisasmito, S. Almuhairi, C.B. Behraves, P. Bilivogui, S.A. Bukachi, N. Casas, N.C. Becerra, D.F. Charron, A. Chaudhary, J.R. Ciacci Zanella, A.A. Cunningham, O. Dar, N. Debnath, B. Dungu, E. Farag, G.F. Gao, D.T.S. Hayman, M. Khaitsa, M.P.G. Koopmans, C. Machalaba, J.S. Mackenzie, S. Morand, V. Smolenskiy, and L. Zhou. 2023. Prevention of zoonotic spillover: From relying on response to reducing the risk at source: OHHLEP whitepaper/Opinion piece. *One Health High Level Expert Panel* (ed.), World Health Organization, <https://www.who.int/publications/m/item/prevention-of-zoonotic-spillover>.

Medina-Suárez, S., J. Ayra-Plasencia, L. Pérez-Martínez, F. Butter, and F. Machín. 2023. Msc1 is a nuclear envelope protein that reinforces DNA repair in late mitosis (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.11.21.568106]

Mettenleiter, T.C. 2023. Ein Herz für Viren! *BIOspektrum* 29:235.

Mettenleiter, T.C. 2023. One Health - Definition und Entwicklung eines interdisziplinären Konzeptes. *Dt Tierärztl* 71(4):460-462.

**Mettenleiter, T.C., and D. Thal.** 2023. Was hat One Health mit Pharmazie zu tun? Pharmazeutische Zeitung [Epub 29.10.2023]

**Müller, M., K. Fischer, E. Wöhnke, L.M. Zaack, C. Prönnecke, M.R. Knittler, A. Karger, S. Diederich, and S. Finke.** 2023. Analysis of Nipah Virus Replication and Host Proteome Response Patterns in Differentiated Porcine Airway Epithelial Cells Cultured at the Air-Liquid Interface (Preprint). Preprints [Epub ahead of print; doi:10.20944/preprints202303.0241.v1]

**Nguyen, A., A.K. Leydecker, A.-H.M. Mustafa, J. Murr, F. Butter, and O.H. Krämer.** 2023. The protein phosphatase-2A subunit PR130 is linked to cytotoxic protein aggregate formation in mesenchymal pancreatic ductal adenocarcinoma cells (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.09.03.556106]

**Pražák, V., Y. Mironova, D. Vasishtan, C. Hagen, U. Laugks, Y. Jensen, S. Sanders, J.M. Heumann, J.B. Bosse, B.G. Klupp, T.C. Mettenleiter, M. Grange, and K. Grünewald.** 2023. NECing goes: flexibility of the herpesvirus nuclear egress complex (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.07.07.547920]

**Preisinger, R., A. Förster, and T. Bartels.** 2023. Gender sorting before hatch in poultry - Options and challenges. Lohmann Information 01/2023:2-23.

**Reinhold, P.** 2023. Lungenfunktionsdiagnostik in der Veterinärmedizin. Atemwegs- und Lungenkrankheiten 49:522-543.

**Schilde, M., and D. von Soosten.** 2023. Methanemissionen. Klimafreundlich füttern. DLG-Mitteilungen 2/2023:68-71.

**Schmalkuche, K., R. Schwinzer, N. Wenzel, E. Valdivia, B. Petersen, R. Blasczyk, and C. Figueiredo.** 2023. Tissue-specific cells generated to predict xenogeneic immune responses demonstrate that SLA-downregulated kidney proximal tubular epithelial cells are low immunogenic (Preprint). Res Square [Epub ahead of print; doi:10.21203/rs.3.rs-2519870/v1]

**Singh, A., L. Häußermann, C. Emmerich, E. Nischwitz, B.K.B. Seah, F. Butter, M. Nowacki, and E.C. Swart.** 2023. ISW11 complex proteins facilitate developmental genome editing in *Paramecium* (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.08.09.552620]

**Spruit, C., D.I. Palme, T. Li, M. Ríos Carrasco, A. Gabarroca García, I. Sweet, M. Kuryshko, J.C.L. Maliepaard, K.R. Reiding, D. Scheibner, G.-J. Boons, E.M. Abdelwhab, and R.P. de Vries.** 2023. H7 influenza A viruses bind sialyl-LewisX, a potential intermediate receptor between species (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.12.15.571923]

**Tchatchouang, S., L.A. Basing, K.-A. Hugues, B.L. Handley, C. G-Beiras, I. Amanor, P. Ndzomo, M. Bakheit, L. Becherer, S. Knauf, C. Müller, E. Njih-Tabah, T. Njmanshi, T. Crucitti, N. Borst, S. Lüert, S. Frischmann, H. Gmoser, E. Landmann, A. Sylla, M.S. Kouamé-Siina, D. Arhinful, P. Awondo, G. Menguena, E.M. Harding-Esch, A. Tano, M. Kaloga, P. Koffi-Aboa, N. Konama-Kotey, O. Mitjà, S. Eyangoh, K. Kwasi-Addo, S. Ngazoa-Kakou, and M. Marks.** 2023. An integrated active case search for skin-NTDs in yaws endemic health districts in Cameroon, Côte d'Ivoire and Ghana (Preprint). medRxiv [Epub ahead of print; doi:10.1101/2023.11.16.23298508]

**Thöne-Reineke, C., J. Althaus, P. Reinhold, and M. Wiegard.** 2023. Die Erlaubnis nach § 11 Tierschutzgesetz zur Zucht, Haltung und Verwendung von Versuchstierernn - Anwendungsbeispiele und Ausnahmen. Amtstierärztl Dienst Lebensm 30:72-76.

**Vallbracht, M., B.S. Bodmer, K. Fischer, J. Makroczyova, S.L. Winter, L. Wendt, M. Wachsmuth-Melm, T. Hoenen, and P. Chlanda.** 2023. Nucleocapsid condensation drives Ebola viral factory maturation and dispersion (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.11.06.565679]

**Verma, T., S. Das, S. Dhodi-Lobo, A. Mishra, S. Bhattacharyya, and B. Nandy.** 2022. Evolution of mate harm resistance in females from *Drosophila melanogaster* populations selected for faster

development and early reproduction (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2022.12.25.521905]

**Wernike, K., C. Mehl, A. Aebischer, M. Heising, R.G. Ulrich, and M. Beer.** 2023. SARS-CoV-2 and other coronaviruses in rats, Berlin, Germany, 2023 (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.12.15.571826]

**Witte, P., M. Arvand, S. Barth, R. Diel, I. Friesen, P. Gastmeier, B. Häcker, B. Hauer, M. Kuhns, A. Nienhaus, R. Otto-Knapp, E. Richter, N. Wischnewski, R. Ziegler, and T. Bauer.** 2023. Infektionsprävention & Hygiene bei Tuberkulose - Empfehlung des DZK. *Pneumologie* **77**:983-1000.

**Wunderlich, T.M., C. Deshpande, L.W. Paasche, T. Friedrich, F. Diegmüller, N. Daus, H. Naseer, S.E. Stebel, J. Leers, J. Lan, V.T. Trinh, O. Vázquez, F. Butter, M. Bartkuhn, J.P. Mackay, and S.B. Hake.** 2023. ZNF512B binds RBBP4 via a variant NuRD interaction motif and aggregates chromatin in a NuRD complex-independent manner (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.07.31.551264]

## Buchbeiträge

**Becher, P., M. Beer, M. König, B. Lamp, M. Pfeffer, D. Rubbenstroth, and T. Rümenapf.** 2023. Chapter 27.3 - Einzelstrang-RNA-Viren. *In: Selbitz, H.-J., P. Valentin-Weigand, and U. Truyen (eds.), Tiermedizinische Mikrobiologie, Infektions- und Seuchenlehre, 11th Ed., Georg Thieme Verlag KG, Stuttgart/New York, p. 558-681.*

**Beer, M.** 2023. Chapter 2.4 - Differentiating Infected from Vaccinated Animals (DIVA) oder Markerdiagnostik. *In: Selbitz, H.-J., P. Valentin-Weigand, and U. Truyen (eds.), Tiermedizinische Mikrobiologie, Infektions- und Seuchenlehre, 11th Ed., Georg Thieme Verlag KG, Stuttgart/New York, p. 99-100.*

**Beer, M., B.B. Kaufer, G. Sutter, and U. Truyen.** 2023. Chapter 26.1 - Doppelstrang-DNA-Viren. *In: Selbitz, H.-J., P. Valentin-Weigand, and U. Truyen (eds.), Tiermedizinische Mikrobiologie, Infektions- und Seuchenlehre, 11th Ed., Georg Thieme Verlag KG, Stuttgart/New York, p. 449-504.*

**Beer, M., and M. König.** 2023. Chapter 2.3 - Labordiagnostik von Virusinfektionen. *In: Selbitz, H.-J., P. Valentin-Weigand, and U. Truyen (eds.), Tiermedizinische Mikrobiologie, Infektions- und Seuchenlehre, 11th Ed., Georg Thieme Verlag KG, Stuttgart/New York, p. 80-98.*

**Beer, M., M. Pfeffer, and D. Rubbenstroth.** 2023. Chapter 27.2 - Doppelstrang-RNA-Viren. *In: Selbitz, H.-J., P. Valentin-Weigand, and U. Truyen (eds.), Tiermedizinische Mikrobiologie, Infektions- und Seuchenlehre, 11th Ed., Georg Thieme Verlag KG, Stuttgart/New York, p. 538-557.*

**Bodmer, B.S., and T. Hoenen.** 2023. Reverse Genetic Systems for Filoviruses. *In: Pérez, D.R. (ed.), Reverse Genetics of RNA Viruses. Methods in Molecular Biology, Vol. 2733, Humana, New York, ISBN: 978-1-0716-3533-9 (eBook), doi:10.1007/978-1-0716-3533-9\_1, p. 1-14.*

**Danchin-Burge, C., C. Reimer, and J. Windig.** 2023. Developing and using gene bank collections. *In: Boes, J., P. Boettcher, and M. Honkatukia (eds.), Innovations in cryoconservation of animal genetic resources, FAO Animal Production and Health Guidelines, Vol. 33, Food and Agriculture Organization of the United Nations (FAO), ISBN: 978-92-5-137297-5, doi: 10.4060/cc3078en, pp. 83-104.*

**Dänicke, S., G. Flachowsky, J. Isselstein, H. Jeroch, H. Schenkel, F. Schöne, O. Steinhöfel, and W. Windisch (eds.).** 2023. Handbuch der Futtermittel - Herkunft, Verarbeitung, Verwendung. Themenbibliothek Tierernährung. Agrimedia, Erling Verlag GmbH & Co. KG, Clenze, ISBN: 978-3-86263-178-0, 744 S.

**Dürr, S., E. Wera, V.J. Brookes, C. Warembourg, S. Griss, and A.S. Fahrion.** 2023. The Role of Dog Ecology in Canine Rabies Prevention and Control in Asia: Lessons from Indonesia and the Oceanic Region. *In: Stack, V., D. Nadal, S. Yasobant, F. Cliquet, A. Waqas, N. Pushpakumara, and S. Ghosh*



(eds.) One Health for Dog-mediated Rabies Elimination in Asia, CABI, ISBN: 978-1-800-62295-1, doi:10.1079/9781800622975.0012, S. 142-159.

**Fast, C., and M.H. Groschup.** 2023. Classical and Atypical Scrapie in Sheep and Goats. *In: Zou, W.-Q., and P. Gambetti (Hrsg.), Prions and Diseases, Springer Cham, ISBN: 978-3-031-20564-4, doi:10.1007/978-3-031-20565-1\_26, S. 533-563.*

**Finke, S., and D. Ushakov (eds.).** 2023. Imaging in Virus Research. *Advances in Virus Research, Vol. 116, 1st Ed., Elsevier Science & Technology, San Diego, USA, 258 S., ISBN: 978-0-443-15814-8 (hardback) / 978-0-443-15815-5 (ebook).*

**Flachowsky, G., and K.-D. Jany.** 2023. Gentechnik in der Ernährungswirtschaft - Beiträge zur globalen Ernährungssicherung und Bedeutung für die Wertschöpfungskette. Behr's Verlag, Hamburg, ISBN: 978-3-95468-842-5, 194 S.

**Food and Agriculture Organization of the United Nations, World Health Organization, World Organisation for Animal Health, T. Müller, C.M. Freuling, A. Vos, R. Chipman, and R.M. Wallace.** 2023. Oral vaccination of dogs against rabies - Recommendations for field application and integration into dog rabies control programmes (Technical Report), FAO, WHO, WOA (eds.), ISBN: 978-92-95121-86-7 (WOAH) / 978-92-5-138153-3 (FAO) / 978-92-4-008273-1 (WHO, electronic version) / 978-92-4-008274-8 (WHO, print version), Rome, Italy, 61 p.

**Förster, A., and T. Bartels.** 2023. In ovo sexing in poultry chicks. *In: French, N. (ed.), Embryo development and hatchery practice in poultry production, Burleigh Dodds Series in Agricultural Science, Vol. 134, Chapter 7, Burleigh Dodds Science Publishing Ltd., Cambridge, ISBN: 978-18-0-146252-5, 400 S., S. 169-196.*

**Harder, T., and A. Pohlmann.** 2023. Hochpathogene aviäre Influenza bei Geflügel und Wildvögeln - eine Kurzübersicht. *In: Vössing, A. (ed.), Nationalpark-Jahrbuch Unteres Odertal 2022, Nationalparkstiftung Unteres Odertal, Schwedt/Oder, S. 110-113.*

**Kehlmaier, C., F. Drews, M. Fahldieck, H. Heimbürg, K. Heller, S. Jaume-Schinkel, M. Jentzsch, M. Jessat, H. Kampen, D. Markwardt, A. Reimann, B. Rulik, H.-H. Stuke, M. von Tschirnhaus, R. van der Weele, and D. Werner.** 2023. Nachweise von Zweiflüglern (Diptera) während der 37. Tagung des Arbeitskreises Diptera 2022 in Landsweiler-Reden (Saarland, Deutschland). *In: DELATTINIA, Naturforschende Gesellschaft des Saarlandes e.V. (Hrsg.), Abhandlungen der DELATTINIA, Vol. 48, DELATTINIA, Naturforschende Gesellschaft des Saarlandes e.V., Saarbrücken, ISSN: 0948-6526, S. 195-227.*

**Lubisi, B.A., M. Beer, K. Wernike, and M. Baron.** 2023. Bunyaviral diseases of animals (excluding Rift Valley fever and Crimean-Congo haemorrhagic fever): Chapter 3.10.1. *In: Manual of diagnostic tests and vaccines for terrestrial animals 2023: WOA (eds.), WOA Terrestrial manual 2023, Vol. 12, World Organisation for Animal Health, S. 1-21.*

**Müller, T.** 2023. Rabies (infection with rabies virus and other lyssaviruses): Chapter 3.1.18. *In: Manual of diagnostic tests and vaccines for terrestrial animals 2023: WOA (eds.), WOA Terrestrial manual 2023, Vol. 12, World Organisation for Animal Health, S. 1-38.*

**Müller, T., and C.E. Rupprecht.** 2023. Chapter 14 - Rabies and Wildlife Conservation. *In: Jessup, D.A., and R.W. Radcliffe (eds.), Wildlife disease and health in conservation, Johns Hopkins University Press, Baltimore, ISBN: 978-1-4214-4674-5, 468 p., S. 236-258.*

**Müller, T., C.C. Rupprecht, A.R. Fooks, L. Both, S.P. Smith, A.P. Gibson, F. Lohr, A. Fahrion, and C.M. Freuling.** 2023. Elimination of Rabies - A Missed Opportunity. *In: Sing, A. (ed.), Zoonoses: Infections Affecting Humans and Animals, 2<sup>nd</sup> Edition, Springer International Publishing, Cham, ISBN: 978-3-031-27163-2 (print)/ 978-3-031-27164-9 (online), doi: 10.1007/978-3-031-27164-9\_21, S. 729-792.*

**Naguib, M., G.F. Wagner, L. Snijders, and E.T. Krause.** 2023. *Methods in Animal Behaviour*, 1<sup>st</sup> Ed., Springer, Berlin/Heidelberg, 978-3-662-67791-9 (print) / 978-3-662-67792-6 (online), doi:10.1007/978-3-662-67792-6.

**Petersen, B.** 2023. DNA-Nukleasen und ihre Verwendung in der Viehzucht. *In: Niemann, H., and C. Wrenzycki (eds.), Biotechnologie bei Nutztieren 2*, 1st ed., Vol. 2, Springer, Cham, ISBN: 978-3-031-26041-4 (hardcover) / 978-3-031-26042-1 (ebook), S. 139-168, doi:10.1007/978-3-031-26042-1\_7.

**Rath, D., and C. Maxwell.** 2023. Technik und Anwendung von geschlechtssortiertem Sperma bei landwirtschaftlichen Nutztieren. *In: Niemann, H., and C. Wrenzycki (Hrsg.), Biotechnologie bei Nutztieren 1 - Reproduktive Biotechnologie*, Springer, Cham, ISSN: 978-3-031-33917-2 (hardcover)/978-3-031-33918-9 (eBook), S. 77-124.

**Reimer, C.** 2023. Multispecies SNP array. *In: Boes, J., P. Boettcher, and M. Honkatukia (eds.), Innovations in cryoconservation of animal genetic resources, FAO Animal Production and Health Guidelines*, Vol. 33, Food and Agriculture Organization of the United Nations (FAO), ISBN: 978-92-5-137297-5, doi: 10.4060/cc3078en, pp. 227-229.

**Ushakov, D.S., and S. Finke.** 2023. Tissue optical clearing and 3D imaging of virus infections. *In: Advances in Virus Research*, Elsevier, ISBN: 0065-3527 [Epub ahead of print; doi:10.1016/bs.aivir.2023.06.003]

**Weigend, S.** 2023. A practical application of a marker-assisted introgression of a specific trait. *In: Boes, J., P. Boettcher, and M. Honkatukia (eds.), Innovations in cryoconservation of animal genetic resources, FAO Animal Production and Health Guidelines*, Vol. 33, Food and Agriculture Organization of the United Nations (FAO), ISBN: 978-92-5-137297-5, doi: 10.4060/cc3078en, p. 85.

## Habilitationen, Dissertationen, PhD Theses, Diplom-, Master- und Bachelorarbeiten

### Habilitationen

**Ziegler, Ute (INNT):** Untersuchungen zum Vorkommen in Deutschland sowie zur Pathogenese und Immunisierung bei Vögeln (Universität Leipzig)

### Dissertationen

**Ahrens, Ann Kathrin (IVD):** Surveillance for avian influenza viruses in the environment (Universität Greifswald)

**Bergmann, Felicitas (INNT):** Surveillance Strategies and Prevention of Flavivirus Infections in (Zoo-)Birds in Germany (Tierärztliche Hochschule Hannover)

**Borkute, Rachana (IfI):** Responses of bovine and human neutrophils to members of the *Mycobacterium tuberculosis* complex (Universität Greifswald)

**Bostedt, Linus (IMVZ):** Contributions of NP isoforms to the regulation of the Junin virus replication cycle and interactions with the host cell (Universität Greifswald)

**Christiansen, Bahne (IMVZ):** Mass spectrometric characterisation of the interactomes of closely related zoonotic viruses differing in pathogenicity (Universität Greifswald)

**Cierniak, Filip (INNT):** Phylogenetic and Reverse Genetics Studies on Zoonotic Hepatitis E Virus (Universität Greifswald)

**Dau, Tung Huy (IfI):** The role of cell-penetrating peptides in the induction of T cell responses by virus-like particles (Universität Greifswald)

**Deutschmann, Paul** (IVD): Towards licensing of a vaccine candidate against African swine fever and recent advances in surveillance and diagnosis of the disease in Germany (Ludwig-Maximilians-Universität München)

**Eckhardt, Emmelie** (ATB, Leitung): Vaccination and therapeutic strategies against *M. tuberculosis* in the guinea pig model (Justus-Liebig-Universität Gießen)

**Elnagar, Ahmed** (IVD): Innovative molecular diagnostics of African swine fever virus and other transboundary animal diseases (Ludwig-Maximilians-Universität München)

**Halwe, Nico Joël** (IVD): In vivo characterization of present and potentially pre-pandemic viruses - The SARS-CoV-2 and bat influenza H9N2 examples (Universität Greifswald)

**Hartmann, Luise** (IfI): Mechanismen der Immunzellsubversion in primären porzinen Monozyten nach Infektion mit hoch- und niedrig-virulenten ASPV-Stämmen (Universität Greifswald)

**Janssen, Nele** (IMED): Distribution and population genetics of the invasive Asian bush mosquito *Aedes japonicus* (Diptera, Culicidae) in Germany and eastern Europe (Universität Greifswald)

**Keck, Hanna** (IVD): Simple and reliable diagnostics of viral pathogens (Ludwig-Maximilians-Universität München)

**Kononov, Susanne Ursula** (ITE): The influence of L-carnitine on hematology and functional blood parameters of dairy cows with special focus on high resolution data around parturition (Universität Hohenheim)

**Körsten, Christin** (IMED): Vector Competence of German Mosquito Species for West Nile Virus and Usutu Virus and the Impact of Co-Infections (Universität Leipzig)

**Kydyshov, Kalysbek** (IBIZ): Epidemiology of brucellosis in humans and animals and molecular investigation of human brucellosis in Kyrgyzstan (Friedrich-Schiller-Universität Jena)

**Meyer, Jennifer** (ITE): Influence of a dietary L-carnitine supplementation on performance, health status and energy metabolism in lactating pluriparous German Holstein cows during the transition period and an induced acute phase reaction in mid-lactation (Tierärztliche Hochschule Hannover)

**Pfeifer, Nicola Maria** (IMP): Untersuchungen zur Dynamik des Vorkommens und zur Persistenz Cephalosporin- oder Fluorchinolon-resistenter *Escherichia coli*-Stämme in der Mastschweineproduktion (Justus-Liebig-Universität Gießen)

**Reemtsma, Hannah** (INNT): Pathogenesis of German Flavivirus (Co-) Infections in Geese (Tierärztliche Hochschule Hannover)

**Schilde, Matthias** (ITE): The combined opportunities of supplementing varying concentrate-to-forage ratios with 3-nitrooxypropanol in the ration of dairy cows from the periparturient to the mid-lactation period (Martin-Luther-Universität Halle-Wittenberg)

**Schmidt, Sabrina** (INNT): Common voles (*Microtus arvalis*): Important reservoir for Tula orthohantavirus and other zoonotic pathogens (Universität Greifswald)

**Schwarzkopf, Sarah** (ITE): Mother's parity and weaning age influence the transition from liquid to solid feed in female Holstein calves (Universität Hohenheim)

**Tran, Anh Tuan** (ITE): Inactivation of deoxynivalenol (DON) in contaminated maize grain using sodium sulfite : implications on health and performance of pigs (Martin-Luther-Universität Halle-Wittenberg)

**Wöhnke, Elisabeth** (IMVZ): Mass spectrometry-based Proteome analysis of porcine cells infected with African swine fever virus (Universität Greifswald)

**Zhao, Na (IVD):** Serodiagnosis of influenza virus and Newcastle disease virus (Universität Rostock)

PhD Theses

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Diplomarbeiten

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Masterarbeiten

**Adeyemi, Olayide Abraham (INNT):** Molecular Epidemiology and Characterization of Lymphocytic Choriomeningitis Virus (LCMV) (Université de Tours, Universitat Autònoma de Barcelona, Hannover Medical School)

**Afolabi, Esther Taiwo (ING):** Relatedness and diversity in Swedish local chicken breeds using mitochondrial DNA D-loop sequences and SNP data (Swedish University of Agricultural Sciences, Uppsala)

**Buschmann, Jobst-Wilhelm (ITE):** Einfluss ätherischer Öle in der Fütterung von Absetzferkeln (Hochschule Osnabrück)

**Elguendafi, Younes (IfI):** Untersuchung zur Ko-Evolution von Hausmäusen (*Mus musculus*) und dem Maus Hepatitis Virus (MHV) mit besonderer Berücksichtigung des zellulären Rezeptors CEACAM1 (Universität Greifswald)

**Eweleit, Marie Luise (IMED):** Charakterisierung von mit dem West Nil Virus infizierten, mononuklearen Zellen des peripheren Blutes, isoliert aus drei verschiedenen Wirtsarten (Hochschule Mittweida)

**Hikita, Yukari (IITG):** Habits, beliefs and local knowledge: Review of socio-cultural cornerstones for neglected zoonotic diseases (Université de Tours)

**Klamke, Marine-Noel (IMVZ):** Charakterisierung der NP-Phosphorylierung von Arenaviren und ihre Auswirkungen auf die Bildung von Einschlusskörpern (Universität Greifswald)

**Kleist, Jette Frieda (IfE):** Prävalenz antibiotikaresistenter Erreger in Abwässern ausgewählter Schlachthöfe (Fachhochschule Neubrandenburg)

**Krueger, Gesa (IfI):** Establishment and characterisation of an in vitro 3D model for bovine tuberculous granulomas (Universität Greifswald)

**Kupschke, Erik Sebastian (IMVZ):** Funktionelle Interaktion von filoviralen Glykoproteinen mit NPC1 verschiedener Fledertierspezies (Universität Greifswald)

**Lechleiter, Nele (IfE):** Parasites and Resistome of Roe Deer in Two Different Landscapes of Western Pomerania (Universität Greifswald)

**Lux, Laura (INNT):** Detection of *Cryptosporidium* spp. and *Giardia* spp. in small mammals in Portugal (Universität Greifswald)

**Manzenberger-Weituschat, Marvin (IITG):** Umweltethische Analyse der Maßnahmen zur Bekämpfung der Afrikanischen Schweinepest (Universität Greifswald)

**Müller, Jendrik (IMVZ):** The Influence of Mutations in the NS1 Protein of Influenza H10N7 Virus on the Interaction with Host Factors (Universität Greifswald)

**Schmidt, Gabriel** (IfE): Tiergesundheitsüberwachung von Rindern via Videosystem und Objekterkennung (Hochschule Neubrandenburg)

**Schneemann, Sara** (IfE): Evaluation of Surveillance Strategies for Early Detection of African Swine Fever in Wild Boar (Université de Tours, Universitat Autònoma de Barcelona, Hannover Medical School)

**Schnittke, Lena** (INNT): Etablierung eines Lateral-Flow-Assays zur Detektion des Rifttalgiebervirus (Hochschule Neubrandenburg)

**Schuhmacher, Patrick** (INNT): Verbreitungsmuster des Puumala-Orthohantavirus und Leptospiren in evolutionären Linien der Rötelmaus (Universität Greifswald)

**Sinhalage, Krishani Devika Wijesinghe** (ING): Analysis of relatedness and genetic diversity in Swedish sheep breeds using medium density (50K) SNP data (Swedish University of Agricultural Sciences, Uppsala)

**Starcky, Philip** (IVD): Establishment and improvement of diagnostic methods to detect Roypretovirus infections in pythons (Universität zu Lübeck)

**Tadewaldt, Nils** (IMED): Identifizierung und Charakterisierung des Retentionssignals im West-Nil-Virus E-Protein (Universität Greifswald)

**Westphal, Timm** (IfI, INNT): Vergleichende Studien zum Einfluss des Nichtstrukturproteins NSs von verschiedenen Hantaviren auf Typ-1-Interferon Wege im Rötelmaus versus humanem System (Universität Greifswald)

**Wisnewski, Kira** (INNT): Untersuchungen zur Prävalenz des Hepatitis E-Virus (HEV) in Wild- und Haustieren (Universität Greifswald)

## Bachelorarbeiten

**Brück, Anna Rosa** (INNT): Neues Hepevirus: Geografische Verbreitung sowie Herstellung und Charakterisierung des Kapsidproteins (TH Bingen)

**Ebin, Cemile** (IfI): Aufklärung der Mechanismen der Interferonregulation bei Virusinfektionen in ägyptischen Flughunden (Hochschule Mannheim)

**Keisler, Christoph** (IMVZ): Labelling of Ebola Virus Inclusion Body Constituents by Proximity Ligation (IMC Fachhochschule Krems)

**Kilian, Lena** (IfE): Afrikanische Schweinepest in Mecklenburg-Vorpommern (Universität Ulm)

**Schröder, Hauke** (IfE): Erstellung einer App mit Shiny in R (Hochschule Emden-Leer)