



# Publications of the FLI 2024

## Table of Contents

Publications in peer-reviewed journals.....	2
Publications in non-peer reviewed journals/Conference Proceedings .....	12
Books/Book chapters.....	14
Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses.....	15
Habitations .....	15
Doctoral theses .....	15
PhD Theses.....	15
Diploma theses .....	15
Master theses.....	15
Bachelor theses .....	16

compiled by: Anette Beidler  
last updated: 4 June 2024

## Publications in peer-reviewed journals

**Abdelwhab, E.M., and M. Beer.** 2024. Panzootic HPAIV H5 and risks to novel mammalian hosts (Editorial). *npj Viruses* 2:22.

**Adade, E., P.O. Tawiah, C. Roos, I.S. Chuma, C.C. Lubinza, S.G.M. Mfinanga, S. Knauf, and A.A. Sylverken.** 2024. Antimicrobial susceptibility profile of oral and rectal microbiota of non-human primate species in Ghana: A threat to human health. *Vet Med Sci* 10:e1271.

**Adamczyk, K., D. Rubbenstroth, A. Ledwoń, R. Sapieryński, and P. Szeleszczuk.** 2024. The first confirmed cases of pigeon rotavirus A (RVA) infection in domestic pigeons (*Columba livia*) in Poland. *J Vet Res* 68:55-61.

**Adamkowska, N., J. Kiełpińska, and S.M. Bergmann.** 2024. Assessing tropism and genetic traits of carp oedema virus isolates to enhance detection strategies. *J Vet Res* 68:63-72.

**Agusi, E.R., J. Schön, V. Allendorf, E.A. Eze, O. Asala, I. Shittu, A. Balkema-Buschmann, K. Wernike, I.S. Tekki, M. Ofua, O. Adefegha, O. Olubade, O. Ogunolawa, K. Dietze, A. Globig, D. Hoffmann, and C.A. Meseko.** 2024. SARS-CoV and SARS-CoV -2 cross-reactive antibodies in domestic animals and wildlife in Nigeria suggest circulation of sarbecoviruses. *One Health* 18:100709.

**Ahrens, A.K., S.R. Jónsson, V. Svansson, B. Brugger, M. Beer, T.C. Harder, and A. Pohlmann.** 2024. Iceland: an underestimated hub for the spread of high-pathogenicity avian influenza viruses in the North Atlantic. *J Gen Virol* 105:001985.

**Al-Hosary, A., A.M. Radwan, L.S. Ahmed, S.Kh. Abdelghaffar, S. Fischer, A.M. Nijhof, P.-H. Clausen, and J.S. Ahmed.** 2024. 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. *Sci Rep* 14:8565.

**Ali, H., M. El-Neweshny, J. Al Mawly, M. Heller, M. Weber, and C. Schnee.** 2024. A molecular epidemiological investigation of contagious caprine pleuropneumonia in goats and captive Arabian sand gazelle (*Gazella marica*) in Oman. *BMC Vet Res* 20:155.

**Bachmann, L., L. Weber, W. Liermann, H.M. Hammon, C. Delling, F. Dengler, K. Schaufler, M. Schwabe, E. Eger, K. Becker, A.K. Schütz, and T. Homeier-Bachmann.** 2024. Colostrum as a source of ESBL-*Escherichia coli* in feces of newborn calves. *Sci Rep* 14:9929.

**Bagato, O., A. Balkema-Buschmann, D. Todt, S. Weber, A. Gömer, B. Qu, C. Miskey, Z. Ivics, T.C. Mettenleiter, S. Finke, R.J.P. Brown, A. Breithaupt, and D.S. Ushakov.** 2024. Spatiotemporal analysis of SARS-CoV-2 infection reveals an expansive wave of monocyte-derived macrophages associated with vascular damage and virus clearance in hamster lungs. *Microbiol Spect* 12:e0246923.

**Barlang, L.-A., I. Deimel, B.-P. Mohl, C. Blaurock, A. Balkema-Buschmann, K. Weinbender, B. Hess, H. Obernolte, O.M. Merkel, and A. Popp.** 2024. Distribution and suitability of pulmonary surfactants as a vehicle for topically applied antibodies in healthy and SARS-CoV-2 infected rodent lungs. *Eur J Pharm Sci* 196:106744.

**Barth, S.A., D. Preussger, J. Pietschmann, A.T. Feßler, M. Heller, W. Herbst, C. Schnee, S. Schwarz, F. Kloss, C. Berens, and C. Menge.** 2024. *In Vitro* Antibacterial Activity of Microbial Natural Products against Bacterial Pathogens of Veterinary and Zoonotic Relevance. *Antibiotics* 13:135.

**Bauer, C., L.A. Lider, A.E. Ussenbayev, D.M. Seitkamzina, A.A. Zhanabayev, P. Maksimov, and M. Knaus.** 2024. *Toxascaris leonina* in dogs - A nematode species of high prevalence in some regions of Eurasia. *Vet Parasitol Reg Stud Rep* 48:100986.

Beckmüller, E., J. Kluess, L. Hüther, S. Kersten, M. Kölln, C. Visscher, S. Dänicke, and A. Grümpel-Schlüter. 2024. Influences of dietary-reduced nitrogen (N) and phosphorus (P) on chemical body composition, N and P retention and health traits of contemporary barrows. *Arch Anim Nutr* **78**:78-94.

Bergmann, S.M., Y. Wang, Y. Li, Q. Wang, S. Klafack, Y. Jin, A.C. Hofmann, J. Kiełpińska, A.M. Becker, and W. Zeng. 2024. Occurrence of herpesvirus in fish. *J Vet Res* **68**:73-78.

Blanquer, A., F. Rivas, M. Gérardy, M. Sarlet, N. Moula, U. Ziegler, M.H. Groschup, D. Desmecht, T. Marichal, and M.-M. Garigliany. 2024. Evaluation of Non-Vector Transmission of Usutu Virus in Domestic Canaries (*Serinus canaria*). *Viruses* **16**:79.

Böhmer, M.M., V. Haring, B. Schmidt, F.S. Saller, L. Coyer, L. Chitimia-Dobler, G. Dobler, D. Tappe, A. Bonakdar, A. Ebinger, G. Knoll, L. Eidenschink, A. Rohrhofer, H.H. Niller, K. Katz, P. Starcky, M. Beer, R.G. Ulrich, D. Rubbenstroth, and M. Bauswein. 2024. One Health in Action: Investigation of the First Detected Local Cluster of Fatal Borna Disease Virus 1 (BoDV-1) Encephalitis, Germany 2022. *J Clin Virol* [Epub ahead of print; doi:10.1016/j.jcv.2024.105658]

Böhringer, M. 2024. Letter to the Editor. *Comp Immunol Microbiol Infect Dis* **109**:102186.

Bost, C., S. Castro-Scholten, B. Sadeghi, D. Cano-Terriza, M. Frías, S. Jiménez-Ruiz, M.H. Groschup, I. García-Bocanegra, and K. Fischer. 2024. Approaching the complexity of Crimean-Congo hemorrhagic fever virus serology: a study in swine. *J Virol Meth* [Epub ahead of print; doi:10.1016/j.viromet.2024.114915]

Bostedt, L., L. Fénéant, A. Leske, J. Holzerland, K. Günther, I. Waßmann, P. Bohn, and A. Groseth. 2024. Alternative translation contributes to the generation of a cytoplasmic subpopulation of the Junin virus nucleoprotein that inhibits caspase activation and innate immunity. *J Virol* **98**:e01975-23.

Böttcher, J., M. Alex, S. Dänicke, J. Gethmann, K. Mertens-Scholz, and B. Janowitz. 2024. Susceptibility, Immunity, and Persistent Infection Drive Endemic Cycles of Coxiellosis on Dairy Farms. *Animals* **14**:1056.

Bujnoch, F.M., D. Reil, S. Drewes, U.M. Rosenfeld, R.G. Ulrich, J. Jacob, and C. Imholt. 2024. Small mammal community composition impacts bank vole (*Clethrionomys glareolus*) population dynamics and associated seroprevalence of Puumala orthohantavirus. *Integr Zool* **19**:52-65.

Bulun, H., P.S. Bridger, S. Schillinger, Ö. Akineden, S.A. Barth, M. Fischer, M. Henrich, T. Seeger, K. Doll, M. Bülte, R. Bauerfeind, and C. Menge. 2024. Interferon-gamma producing CD4<sup>+</sup> T cells quantified by flow cytometry as early markers for *Mycobacterium avium* ssp. *paratuberculosis* infection in cattle. *Vet Res* **55**:69.

Casares-Jimenez, M., A. Rivero-Juarez, P. Lopez-Lopez, M.L. Montes, R. Navarro-Soler, J. Peraire, N. Espinosa, M.R. Alemán-Valls, T. Garcia-Garcia, J. Caballero-Gomez, D. Corona-Mata, I. Perez-Valero, R.G. Ulrich, and A. Rivero. 2024. Rat hepatitis E virus (*Rocahepevirus rattii*) in people living with HIV. *Emerg Microbes Infect* **13**:2295389.

Dähn, O., D. Werner, B. Mathieu, and H. Kampen. 2024. Large-Scale Cytochrome C Oxidase Subunit I Gene Data Analysis for the Development of a Multiplex Polymerase Chain Reaction Test Capable of Identifying Biting Midge Vector Species and Haplotypes (Diptera: Ceratopogonidae) of the *Culicoides* Subgenus *Avaritia* Fox, 1955. *Genes* **15**:323.

Dähnert, L., E. Aliabadi, C. Fast, I. Hrabal, C. Schröder, P. Behrendt, U. Protzer, M.H. Groschup, and M. Eiden. 2024. Immunisation of pigs with recombinant HEV vaccines does not protect from infection with HEV genotype 3. *One Health* **18**:100674.

Dänicke, S., J. Saltzmann, B. Waurich, A. Wöckel, W. Wippermann, G. Hermenau, J. Wittich, E. Bannert, F. Rachidi, P. Hufe, D. May, H. Swalve, A. Starke, and M. Schären-Bannert. 2024. A method for estimating the outer exposure of dairy cows to deoxynivalenol (DON) and zearalenone (ZEN)

as a precondition for risk assessment based on inner exposure with toxin residue levels in blood and urine as indicators. *Mycotoxin Res* [Epub ahead of print; doi:10.1007/s12550-024-00533-6]

van Dooremalen, C., Z.N. Ulgezen, R. Dall'Olio, U. Godeau, X. Duan, J.P. Sousa, M.O. Schäfer, A. Beaurepaire, P. van Gennip, M. Schoonman, C. Flener, S. Matthijs, D.C. Bouúaert, W. Verbeke, D. Freshley, D.-J. Valkenburg, T. van den Bosch, F. Schaafsma, J. Peters, M. Xu, Y. Le Conte, C. Alaux, A. Dalmon, R.J. Paxton, A. Tehel, T. Streicher, D.S. Dezmirean, A.I. Giurgiu, C.J. Topping, J.H. Williams, N. Capela, S. Lopes, F. Alves, J. Alves, J. Bica, S. Simões, A. Alves da Silva, S. Castro, J. Loureiro, E. Horčíčková, M. Bencsik, A. McVeigh, T. Kumar, A. Moro, A. van Delden, E. Ziółkowska, M. Filipiak, Ł. Mikołajczyk, K. Leufgen, L. De Smet, and D.C. de Graaf. 2023. Bridging the Gap between Field Experiments and Machine Learning: The EC H2020 B-GOOD Project as a Case Study towards Automated Predictive Health Monitoring of Honey Bee Colonies. *Insects* 15:76.

Doukouré, B., Y. Le Pennec, C. Troupin, S. Grayo, M. Eiden, M.H. Groschup, N. Tordo, and P. Roques. 2024. Seroprevalence and Phylogenetic Characterization of Hepatitis E Virus (*Paslahepevirus balayani*) in Guinean Pig Population. *Vector-Borne Zoonotic Dis* [Epub ahead of print; doi:10.1089/vbz.2023.010]

Ebogo-Belobo, J.T., S.A. Sadeuh-Mba, G.M. Chavely, M.H. Groschup, W.F. Mbacham, and R. Njouom. 2024. First detection of Rift Valley fever virus antibodies in non-human primates in Cameroon. *J Med Primatol* 53:e12687.

EFSA Panel on Animal Health and Welfare (AHAW), European Union Reference Laboratory for Avian Influenza, S.S. Nielsen, J. Alvarez, J.D. Bicout, P. Calistri, E. Canali, J.A. Drewe, B. Garin-Bastuji, C. Gortázar, M. Herskin, V. Michel, M.Á. Miranda Chueca, B. Padalino, H.C. Roberts, H. Spoolder, K. Stahl, A. Velarde, A. Viltrop, C. Winckler, E. Bastino, A. Bortolami, C. Guinat, T. Harder, A. Stegeman, C. Terregino, B. Lanfranchi, L. Preite, I. Aznar, A. Broglia, F. Baldinelli, and J.L. Gonzales Rojas. 2024. Vaccination of poultry against highly pathogenic avian influenza - part 2. Surveillance and mitigation measures. *EFSA J* 22:e08755.

Eger, E., T. Homeier-Bachmann, E. Adade, S. Dreyer, S.E. Heiden, P.K. Lübcke, P.O. Tawiah, A.A. Sylverken, S. Knauf, and K. Schaufler. 2024. Carbapenem- and cefiderocol-resistant *Enterobacterales* in surface water in Kumasi, Ashanti Region, Ghana. *J Antimicrob Chemother* 6:dlae021.

Eghbalsaid, S., C. Lawler, B. Petersen, R.A. Hajiyev, S.R. Bischoff, and S. Frankenberg. 2024. CRISPR/Cas9-mediated base editors and their prospects for mitochondrial genome engineering. *Gene Ther* 31:209-223.

Ejaz, M.A., S. Ali, M.A. Syed, F. Melzer, R. Faryal, M. Dadar, S.A. Abbasi, H. El-Adawy, and H. Neubauer. 2024. Seroprevalence and molecular detection of brucellosis among Pakistani women with spontaneous abortion Provisionally accepted. *Front Public Health* 12:1372327.

Essaidi-Laziosi, M., F.J. Pérez Rodríguez, C. Alvarez, P. Sattonnet-Roche, G. Torriani, M. Bekliz, K. Adea, M. Lenk, T. Suliman, W. Preiser, M.A. Müller, C. Drosten, L. Kaiser, and I. Eckerle. 2024. Distinct phenotype of SARS-CoV-2 Omicron BA.1 in human primary cells but no increased host range in cell lines of putative mammalian reservoir species. *Virus Res* 339:199255.

European Food Safety Authority, European Centre for Disease Prevention and Control, European Union Reference Laboratory for Avian Influenza, A. Fusaro, J.L. Gonzalez, T. Kuiken, G. Mirinavičiūtė, É. Niqueux, K. Ståhl, C. Staubach, O. Svatström, C. Terregino, K. Willgert, F. Baldinelli, R. Delacourt, A. Georganas, and L. Kohnle. 2024. Avian influenza overview December 2023-March 2024. *EFSA J* 22:e8754.

Farhat, M., S. Khayi, J. Berrada, M. Mouahid, N. Ameer, H. El-Adawy, and S. Fellahi. 2024. *Salmonella enterica* Serovar Gallinarum Biovars Pullorum and Gallinarum in Poultry: Review of Pathogenesis, Antibiotic Resistance, Diagnosis and Control in the Genomic Era. *Antibiotics* 13:23.

Felsl, A., D. Brokatzky, C. Kröger, R. Heermann, and T.M. Fuchs. 2024. Hierarchic regulation of a metabolic pathway: H-NS, CRP, and SsrB control *myo*-inositol utilization by *Salmonella enterica*. *Microbiol Spect* 12:e0272423.

Fereig, R.M., A.M. Mazeed, A.A. Abd El Tawab, M. El-Diasty, A. Elsayed, R.M. Shaapan, E.A. Abdelbaset, C.F. Frey, B.S. Alawfi, S.A. Altwaim, A.S. Alharbi, and G. Wareth. 2024. Exposure to *Brucella* Species, *Coxiella burnetii*, and *Trichinella* Species in Recently Imported Camels from Sudan to Egypt: Possible Threats to Animal and Human Health. *Pathogens* 13:179.

Fietz, S., T. Grochow, G. Schares, T. Töpfer, and R.M. Heilmann. 2024. Fulminant Pneumonia Due to Reactivation of Latent Toxoplasmosis in a Cat—A Case Report. *Pathogens* 13:7.

Frias, M., K. Fischer, S. Castro-Scholten, C. Bost, D. Cano-Terriza, M.A. Risalde, P. Acevedo, S. Jiménez-Ruiz, B. Sadeghi, M.H. Groschup, J. Caballero-Gómez, and I. García-Bocanegra. 2024. Epidemiologic Survey of Crimean-Congo Hemorrhagic Fever Virus in Suids, Spain. *Emerg Infect Dis* 30:984-990.

Fürstenau, J., M.T. Richter, N.A. Erickson, R. Große, K.E. Müller, D. Nobach, C. Herden, D. Rubbenstroth, and L. Mundhenk. 2024. Bornavirus 1 infection in alpacas: Comparison of pathological lesions and viral distribution to other dead-end hosts. *Vet Pathol* 61:62-73.

Fusaro, A., B. Zecchin, E. Giussani, E. Palumbo, M. Agüero-García, C. Bachofen, Á. Bálint, F. Banihashem, A.C. Banyard, N. Beerens, M. Bourg, F.-X. Briand, C. Bröjer, I.H. Brown, B. Brugger, A.M.P. Byrne, A. Cana, V. Christodoulou, Z. Dirbakova, T. Fagulha, R.A.M. Fouchier, L. Garza-Cuartero, G. Georgiades, B. Gjerset, B. Grasland, O. Groza, T. Harder, A.M. Henriques, C.K. Hjulsager, E. Ivanova, Z. Janeliunas, L. Krivko, K. Lemon, Y. Liang, A. Lika, P. Malik, M.J. McMenemy, A. Nagy, I. Nurmoja, I. Onita, A. Pohlmann, S. Revilla-Fernández, A. Sánchez-Sánchez, V. Savič, B. Slavec, K. Smietanka, C.J. Snoeck, M. Steensels, V. Svansson, E. Swieton, N. Tammiranta, M. Tinak, S. van Borm, S. Zohari, C. Adlhoch, F. Baldinelli, C. Terregino, and I. Monne. 2024. High pathogenic avian influenza A(H5) viruses of clade 2.3.4.4b in Europe - why trends of virus evolution are more difficult to predict. *Virus Evol* 10:veae027.

Gitzel, J., H. Kampen, J. Sellmann, J. Schwarz, L.M. Hoffmann, S. Kühne, C. Ulrichs, and D. Werner. 2024. Enhancing arthropod occurrence in wheat cropping systems: the role of non-chemical pest management and nitrogen optimization. *Environ Monit Assess* 196:572.

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. 2024. Full genome sequence analysis of African swine fever virus isolates from Cameroon. *PLoS one* 19:e0293049.

Goller, K.V., J. Ziemann, C. Kohler, K. Becker, N.-O. Hübner, and on behalf of the CoMV-Gen Study Group<sup>1</sup>. 2024. Clinical Manifestations of Infections with the Omicron Sub-Lineages BA.1, BA.2, and BA.5: A Retrospective Follow-Up Analysis of Public Health Data from Mecklenburg-Western Pomerania, Germany. *Viruses* 16:454.

Grause, J.F., M.C. Elschner, N.A. Ledesma, and G. Murphy. 2024. Development and validation of a chemiluminescent western blot assay for glanders (*Burkholderia mallei*) serodetection. *J Vet Diagn Invest* 36:283-286.

Gravemann, U., M. Boelke, L. Könenkamp, L. Söder, M. Maurer, U. Ziegler, T.J. Schulze, A. Seltsam, S.C. Becker, and I. Steffen. 2024. West Nile and Usutu viruses are efficiently inactivated in platelet concentrates by UVC light using the THERAFLEX UV-Platelets system. *Vox Sang* [Epub ahead of print; doi:10.1111/vox.13648]

---

<sup>1</sup> FLI Members CoMV-Gen Study Group: M. Beer, A. Pohlmann, J. King, L. Stacker

- Grayo, S., A. Camara, B. Doukouré, I. Ellis, C. Troupin, K. Fischer, J. Vanhomwegen, M. White, M.H. Groschup, S. Diederich, and N. Tordo. 2024. Geographic Disparities in Domestic Pig Population Exposure to Ebola Viruses, Guinea, 2017-2019. *Emerg Infect Dis* 30:681-690.
- Halwe, N., L. Hamberger, J. Sehl-Ewert, C. Mache, J. Schön, L. Ulrich, S. Calvelage, M. Tönnies, J. Fuchs, P. Bandawane, M. Loganathan, A. Abbad, J.M. Carreño, M. Bermúdez-Gonzalez, V. Simon, A. Kandeil, R. El-Shesheny, M.A. Ali, G. Kayali, M. Budt, S. Hippenstiel, A. Hocke, F. Krammer, T. Wolff, M. Schwemmler, K. Ciminiski, D. Hoffmann, and M. Beer. 2024. Bat-borne H9N2 influenza virus evades MxA restriction and exhibits efficient replication and transmission in ferrets. *Nat Commun* 15:3450.
- Herrmann, A., K. Schulz, N. Wischnewski, J. Brüßau, E. Zeiler, and C. Sauter-Louis. 2024. Risk Awareness and Attitude of German Farmers towards Biosecurity Measures. *Animals* 14:1102.
- Hildebrand, L., C. Gerloff, B. Winkler, B.K. Eusemann, N. Kemper, and S. Petow. 2024. Japanese quails (*Coturnix Japonica*) show keel bone damage during the laying period—a radiography study. *Front Physiol* 15:1368382.
- Hofmann, J., R.G. Ulrich, C. Mehl, S. Drewes, J. Esser, M. Loyen, H. Zeichhardt, K. Schoppmeyer, L. Essen, W. Güthoff, and D.H. Krüger. 2024. Hantavirus Disease Cluster Caused by Seoul Virus, Germany. *Emerg Infect Dis* 30:133-135.
- Hohensee, L., D. Scheibner, A. Schäfer, H. Shelton, T.C. Mettenleiter, A. Breithaupt, A. Dorhoi, E.M. Abdelwhab, and U. Blohm. 2024. The role of PB1-F2 in adaptation of high pathogenicity avian influenza virus H7N7 in chickens. *Vet Res* 55:5.
- Höne, U., L. Schrader, R. Hölscher, I. Traulsen, and E.T. Krause. 2024. Measures to affect elimination behaviour of fattening pigs in a conventional housing system. *Front Anim Sci* 5:1331723.
- Hüttl, J., K. Reitt, M.L. Meli, T. Meili, E. Bönzli, B. Pineroli, J. Ginders, A. Schoster, S. Jones, G.B. Tyson, M.J. Hsieh, N. Pusterla, K. Wernike, and R. Hofmann-Lehmann. 2024. Serological and Molecular Investigation of SARS-CoV-2 in Horses and Cattle in Switzerland from 2020 to 2022. *Viruses* 16:224.
- Joeres, M., P. Maksimov, D. Höper, S. Calvelage, R. Calero-Bernal, M. Fernández-Escobar, B. Koudela, R. Blaga, M. Globokar Vrhovec, K. Stollberg, N. Bier, S. Sotiraki, J. Sroka, W. Piotrowska, P. Kodym, W. Basso, F.J. Conraths, A. Mercier, L. Galal, M.L. Dardé, A. Balea, F. Spano, C. Schulze, M. Peters, N. Scuda, A. Lundén, R.K. Davidson, R. Terland, H. Waap, E. de Bruin, P. Vatta, S. Caccio, L.M. Ortega-Mora, P. Jokelainen, and G. Schares. 2024. Genotyping of European *Toxoplasma gondii* strains by a new high-resolution next-generation sequencing-based method. *Eur J Clin Microbiol Infect Dis* 43:355-371.
- Just, P.N., M.J. Slater, C. Müller, and B. Köllner. 2024. Effects of two delivery matrix components, alginate and polyethylene glycol, on the intestinal tract and inflammatory response of juvenile rainbow trout, *Oncorhynchus mykiss*, Walbaum. *J World Aquacult Soc* 55:202-222.
- Kessler, S., B. Burke, G. Andrieux, J. Schinköthe, L. Hamberger, J. Kacza, S. Zhan, C. Reasoner, T.S. Dutt, M. Kaukab Osman, M. Henao-Tamayo, J. Staniek, J.F.V. Ossa, D.T. Frank, W. Ma, R. Ulrich, T. Cathomen, M. Boerries, M. Rizzi, M. Beer, M. Schwemmler, P. Reuther, T. Schountz, and K. Ciminiski. 2024. Deciphering bat influenza H18N11 infection dynamics in male Jamaican fruit bats on a single-cell level. *Nat Commun* 15:4500.
- Klein, L., U. Gerdes, S. Blome, A. Campe, and E. große Beilage. 2024. Biosecurity measures for the prevention of African swine fever on German pig farms: comparison of farmers' own appraisals and external veterinary experts' evaluations. *Porcine Health Manag* 10:14.
- Knauf, S., L. Hisgen, E.O. Ågren, A.M. Barlow, M. Fähndrich, U. Voigt, L. Fischer, L. Grillová, L.K. Hallmaier-Wacker, M.J.L. Kik, J.C. Klink, J. Křenová, A. Lavazza, S. Lüert, M. Nováková, D. Čejková, C. Pacioni, T. Trogu, D. Šmajš, and C. Roos. 2024. High prevalence and genetic diversity of *Treponema paraluisleporidarum* isolates in European lagomorphs. *Microbiol Spect* 12:e0177423.



- Knoop, K., J. Frahm, S. Kersten, J. Kluess, U. Meyer, D. von Soosten, A. Beineke, J. Saltzmann, and S. Dänicke. 2024. Short-term exposure of dairy cows to pyrrolizidine alkaloids from tansy ragwort (*Jacobaea vulgaris* Gaertn.): effects on organs and indicators of energy metabolism. *Arch Anim Nutr* [Epub ahead of print; doi:10.1080/1745039X.2024.2350095]
- Köchling, K., G.A. Schaub, M. Schäfer, D. Werner, and H. Kampen. 2024. Host preference of mosquitoes (Diptera: Culicidae) collected in Germany. *J Vector Ecol* **49**:114-125.
- Krone, B., J. Hummel, A. Riek, M. Clauss, and M. Hünnerberg. 2024. Comparative study of feeding and rumination behaviour of goats and sheep fed mixed grass hay of different chop length. *J Anim Physiol Anim Nutr* **108**:700-710.
- Kuderna, L.F.K., J.C. Ulirsch, S. Rashid, M. Ameen, L. Sundaram, G. Hickey, A.J. Cox, H. Gao, A. Kumar, F. Aguet, M.J. Christmas, H. Clawson, M. Haeussler, M.C. Janiak, M. Kuhlwilm, J. 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. Hvilson, D. Juan, P. Frandsen, J. Schraiber, F.R. de Melo, F. Bertuol, H. Byrne, I. Sampaio, I. Farias, J. Vasecchi, M. Messias, M.N.F. da Silva, M. Trivedi, R. Rossi, T. Hrbek, N. Andriaholinirina, C. 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.D. Melin, K. Guschanski, M.H. Schierup, R.M.D. Beck, I. Karakikes, K.C. Wang, G. Umapathy, C. Roos, J.P. Boubli, A. Siepel, A. Kundaje, B. Paten, K. Lindblad-Toh, J. Rogers, T. Marques-Bonet, and K.K.-H. Farh. 2024. Identification of constrained sequence elements across 239 primate genomes. *Nature* **625**:735-742.
- Lamberg, K., A. Viltrop, I. Nurmoja, M. Masiulis, P. Bušauskas, E. Oļševskis, M. Seržants, A. Laddomada, F. Ardelean, and K. Depner. 2024. The Effectiveness of Protection and Surveillance Zones in Detecting Further African Swine Fever Outbreaks in Domestic Pigs—Experience of the Baltic States. *Viruses* **16**:334.
- The Lancet-PPATS Commission on Prevention of Viral Spillover<sup>2</sup>, T.C. Mettenleiter, and A.S. Winkler. 2024. Draft of WHO Pandemic Agreement plays down primary prevention. *Lancet* **403**:525-526.
- Landmann, M., D. Scheibner, M. Gischke, E.M. Abdelwhab, and R. Ulrich. 2024. Automated quantification of avian influenza virus antigen in different organs. *Sci Rep* **14**:8766.
- Lei, Y., L. Wolf-van Buerck, M. Honarpisheh, Y. Zhang, R. Schwinzer, B. Petersen, and J. Seissler. 2024. Neonatal islets from hPD-L1 transgenic pigs reduce immune cell activation and cellular rejection in humanized NSG mice. *Am J Transplant* **24**:20-29.
- Li, H., Y. Wu, D. Feng, Q. Jiang, S. Li, J. Rong, L. Zhong, U. Methner, L. Baxter, S. Ott, D. Falush, Z. Li, X. Deng, X. Lu, Y. Ren, B. Kan, and Z. Zhou. 2024. Centralized industrialization of pork in Europe and America contributes to the global spread of *Salmonella enterica*. *Nat Food* **5**:413-422.
- Li, Y., R. Li, X. Mo, Y. Wang, J. Yin, S.M. Bergmann, Y. Ren, H. Pan, C. Shi, D. Zhang, and Q. Wang. 2024. Development of real-time recombinase polymerase amplification (RPA) and RPA combined with lateral flow dipstick (LFD) assays for the rapid and sensitive detection of cyprinid herpesvirus 3. *J Fish Dis* [Epub ahead of print; doi:10.1111/jfd.13960]
- Litz, B., J. Sehl-Ewert, A. Breithaupt, A. Landmesser, F. Pfaff, A. Romey, S. Blaise-Boisseau, M. Beer, and M. Eschbaumer. 2024. Leaderless foot-and-mouth disease virus serotype O did not cause

---

<sup>2</sup> Alders, R.G., J.H. Amuasi, S. Ashraf, D. Becker, S.A. Bukachi, S. Burza, S. Cleveland, O. El Omrani, N.A. Erundu, J. Machado Ferreira, L. Hassan, B. Li, J. Lloyd-Smith, T. Loch-Temzelides, W. Markotter, O. Ogbuaji, M. Peiris, D.U. Pfeiffer, R.K. Plowright, A. Popp, N. Redvers, B. Roche, J.E. Scanlon, N. Sizer, M. Vale, N.M. Vora, C. Walzer, and S. Worah

clinical disease and failed to establish a persistent infection in cattle. *Emerg Microbes Infect* 13:2348526.

Lu, L., F. Zhang, B.B. Oude Munnink, E. Munger, R.S. Sikkema, S. Pappa, K. Tsioka, A. Sinigaglia, E. Dal Molin, B.B. Shih, A. Günther, A. Pohlmann, U. Ziegler, M. Beer, R.A. Taylor, F. Bartumeus, M. Woolhouse, F.M. Aarestrup, L. Barzon, A. Papa, S.J. Lycett, and M.P.G. Koopmans. 2024. West Nile virus spread in Europe: Phylogeographic pattern analysis and key drivers. *PLoS Pathog* 20:e1011880.

Mehl, C., O.A. Adeyemi, C. Wylezich, D. Höper, M. Beer, C. Triebenbacher, G. Heckel, and R.G. Ulrich. 2024. Lymphocytic Choriomeningitis Virus Lineage V in Wood Mice, Germany. *Emerg Infect Dis* 30:399-401.

Mehl, C., C. Wylezich, C. Geiger, N. Schauerte, K. Mätz-Rensing, A. Nessler, D. Höper, M. Linnenbrink, M. Beer, G. Heckel, and R.G. Ulrich. 2024. Use of Zoo Mice in Study of Lymphocytic Choriomeningitis Mammarenavirus, Germany (Response). *Emerg Infect Dis* 30:205-206.

Meletis, E., B. Conrady, P. Hopp, T. Lurier, J. Frössling, T. Rosendal, C. Faverjon, L.P. Carmo, J.J. Hodnik, L. Ozsvári, P. Kostoulas, G. van Schaik, A. Comin, M. Nielsen, T. Knific, J. Schulz, S. Šerić-Haračić, C. Fourichon, I.M.G.A. Santman-Berends, and A. Madouasse. 2024. Review state-of-the-art of output-based methodological approaches for substantiating freedom from infection. *Front Vet Sci* 11:1337661.

Mertens-Scholz, K., A.A. Moawad, E.M. Liebler-Tenorio, A. Helming, J. Andrack, P. Miethe, H. Neubauer, M.W. Pletz, and I.-G. Richter. 2024. Ultraviolet C inactivation of *Coxiella burnetii* for production of a structurally preserved whole cell vaccine antigen. *BMC Microbiol* 24:118.

Möller, R., K. Kaiser, U. Baulain, B. Petersen, C. Detering, M. Ekhlesi-Hundrieser, R. Zimmermann, C. Mühlfeld, M. von Depka Prondzinski, C. Pfarrer, and S. Lehner. 2024. Haemostaseological Changes of VWF and FVIII during Pregnancy and the Oestrus Cycle in a Porcine Model of Von Willebrand Disease. *Hemato* 5:48-65.

Monecke, S., S.D. Braun, M. Collatz, C. Diezel, E. Müller, M. Reinicke, A. Cabal Rosel, A.T. Feßler, D. Hanke, I. Loncaric, S. Schwarz, S. Cortez de Jäckel, W. Ruppitsch, D. Gavier-Widén, H. Hotzel, and R. Ehricht. 2024. Molecular Characterization of Chimeric *Staphylococcus aureus* Strains from Waterfowl. *Microorganisms* 12:96.

Monecke, S., S. Burgold-Voigt, S.D. Braun, C. Diezel, E.M. Liebler-Tenorio, E. Müller, R. Nassar, M. Reinicke, A. Reissig, A. Senok, and R. Ehricht. 2024. Characterisation of PVL-Positive *Staphylococcus argenteus* from the United Arab Emirates. *Antibiotics* 13:401.

Moskalenko, L., K. Schulz, V. Nedosekov, K. Mötus, and A. Viltrop. 2024. Understanding Smallholder Pigkeepers' Awareness and Perceptions of African Swine Fever and Its Control Measures in Ukraine. *Pathogens* 13:139.

Müller, J., J. Rietz, C. von Hoermann, F.J. Conraths, M.E. Benbow, O. Mitesser, J. Schlüter, T. Lackner, F. Reckel, and M. Heurich. 2024. Season, decay stage, habitat, temperature and carrion beetles allow estimating the post-mortem interval of wild boar carcasses. *Ecol Solut Evid* 5:e12305.

Müller, T., R.M. Wallace, and C.M. Freuling. 2024. Rabies importation in dogs and reduction of waiting period - The fear for scientifically justified changes. *Vaccine* 42:1855-1859.

Müller-Langhans, K., L. Oberberger, Y. Zablotski, S. Engelmann, M. Hoedemaker, C. Kühn, H.-J. Schuberth, H. Zerbe, W. Petzl, M.M. Meyerholz Wohllebe. 2024. Cows with diverging haplotypes show differences in differential milk cell count, milk parameters and vaginal temperature after *S. aureus* challenge but not after *E. coli* challenge. *BMC Vet Res* 20:200.

Murr, M., C. Freuling, D. Pérez-Bravo, C. Grund, T.C. Mettenleiter, A. Römer-Oberdörfer, T. Müller, and S. Finke. 2024. Immune response after oral immunization of goats and foxes with an NDV vectored rabies vaccine candidate. *PLoS Negl Trop Dis* 18:e0011639.



**Najafi, P., C. Reimer, J.D. Gilthorpe, K.R. Jacobsen, M. Ramløse, N.-F. Paul, H. Simianer, J. Tetens, and C. Falker-Gieske.** 2024. Genomic evidence for the suitability of Göttingen Minipigs with a rare seizure phenotype as a model for human epilepsy. *Neurogenetics* **25**:103-117.

**Narushin, V.G., M.N. Romanov, L. Gressier, E. Jacob, A. Salamon, S. Klein, and J.P. Kent.** 2024. Shell temperature: how shall we tell if a still gosling is under the eggshell? *Theriogenology* [Epub ahead of print; doi:10.1016/j.theriogenology.2024.05.045]

**Nguyen, A., A.M. Mustafa, A.K. Leydecker, M. Halilovic, J. Murr, F. Butter, and O.H. Krämer.** 2024. The protein phosphatase-2A subunit PR130 is involved in the formation of cytotoxic protein aggregates in pancreatic ductal adenocarcinoma cells. *Cell Commun Signal* **22**:217.

**Nossol, C., P. Landgraf, M. Oster, S. Kahlert, A. Barta-Böszörményi, J. Kluess, K. Wimmers, B. Isermann, O. Stork, D.C. Dieterich, S. Dänicke, and H.-J. Rothkötter.** 2024. Deoxynivalenol triggers the expression of IL-8-related signaling cascades and decreases protein biosynthesis in primary monocyte-derived cells. *Mycotoxin Res* **40**:279-293.

**Oettler, M.J., F.J. Conraths, U. Roesler, S. Reiche, T. Homeier-Bachmann, and N. Denzin.** 2024. Tenacity of Animal Disease Viruses on Wood Surfaces Relevant to Animal Husbandry. *Viruses* **16**:789.

**Oettler, M.J., F.J. Conraths, U. Roesler, S. Reiche, T. Homeier-Bachmann, and N. Denzin.** 2024. Efficiency of Virucidal Disinfectants on Wood Surfaces in Animal Husbandry. *Microorganisms* **12**:1019.

**Opsteegh, M., T. Cuperus, C. van Buuren, C. Dam-Deisz, C. van Solt-Smits, B. Verhaegen, M. Joeres, G. Schares, B. Koudela, F. Egberts, T. Verkleij, J.W.B. van der Giessen, and H.J. Wisselink.** 2024. In vitro assay to determine inactivation of *Toxoplasma gondii* in meat samples. *Int J Food Microbiol* [Epub ahead of print; doi:10.1016/j.ijfoodmicro.2024.110643]

**Piibor, J., A. Waldmann, M. Prasadani, A. Kavak, A. Andronowska, C. Klein, S. Kodithuwakku, and A. Fazeli.** 2024. Investigation of Uterine Fluid Extracellular Vesicles' Proteomic Profiles Provides Novel Diagnostic Biomarkers of Bovine Endometritis. *Biomolecules* **14**:626.

**Punetha, M., S. Saini, S. Chaudhary, P.S. Yadav, K. Withworth, J. Green, D. Kumar, and W. Kues.** 2024. Induced Pluripotent Stem Cells in the Era of Precise Genome Editing. *Curr Stem Cell Res Ther* **19**:307-315.

**Raabe, J., G. Raveendran, W. Otten, K. Homeyer, and T. Bartels.** 2024. Research Note: Irritating flashing light or poultry-friendly lighting - are flicker frequencies of LED luminaires a potential stress factor in the husbandry of male fattening turkeys? *Poultry Sci* **103**:103214.

**Reichmann, J., C. Sarrazin, S. Schmale, C. Blaurock, A. Balkema-Buschmann, B. Schmitzer, and T. Salditt.** 2024. 3D imaging of SARS-CoV-2 infected hamster lungs by X-ray phase contrast tomography enables drug testing. *Sci Rep* **14**:12348.

**Rekik, S., I. Hammami, O. Timoumi, D. Maghzaoua, M.K. Khbou, A. Schulz, M.H. Groschup, and M. Gharbi.** 2024. A Review on Crimean-Congo Hemorrhagic Fever Infections in Tunisia. *Vector-Borne Zoonotic Dis* [Epub ahead of print; doi:10.1089/vbz.2023.0079]

**Rizk, A.M., M.M. Elsayed, A.A. Abd El Tawab, E.A. Soliman, T. Kozytska, H. Brangsch, L.D. Sprague, H. Neubauer, and G. Wareth.** 2024. Phenotypic and genotypic characterization of resistance and virulence in *Pseudomonas aeruginosa* isolated from poultry farms in Egypt using whole genome sequencing. *Vet Microbiol* **292**:110063.

**Rogoll, L., K. Schulz, C. Staubach, E. Oļševskis, M. Seržants, K. Lamberg, F.J. Conraths, and C. Sauter-Louis.** 2024. Identification of predilection sites for wild boar carcass search based on spatial analysis of Latvian ASF surveillance data. *Sci Rep* **14**:282.

**Roitberg, B., E.T. Krause, and C. Li.** 2024. Editorial: Compensatory Growth: an Adaptation to Environmental Stress in Plants and Animals. *Front Plant Sci* **15**:1395038.

Rossini, E., M. Bazzucchi, V. Trocchi, F. Merzoni, C. Bertasio, S. Knauf, A. Lavazza, and P. Cavadini. 2024. Identification and Characterisation of a Myxoma Virus Detected in the Italian Hare (*Lepus corsicanus*). *Viruses* 16:437.

Ruan, D., Y. Xuan, T.T.K.T. Tam, Z.X. Li, X. Wang, S. Xu, D. Herrmann, H. Niemann, L. Lai, X. Gao, M. Nowak-Imialek, and P. Liu. 2024. An optimized culture system for efficient derivation of porcine expanded potential stem cells from preimplantation embryos and by reprogramming somatic cells. *Nat Prot* [Epub ahead of print; doi:10.1038/s41596-024-00958-4]

Ruckli, A.K., S.J. Hörtenhuber, S. Dippel, P. Ferrari, M. Gebaska, M. Heinonen, J. Helmerichs, C. Hubbard, H. Spoolder, A. Valros, C. Winckler, and C. Leeb. 2024. Access to bedding and outdoor runs for growing-finishing pigs: Is it possible to improve welfare without increasing environmental impacts? *Animal* 18:101155.

Rupprecht, C.E., T. Buchanan, F. Cliquet, T. Müller, B. Yakobson, and D.-K. Yang. 2024. A Global Perspective on Oral Vaccination of Wildlife against Rabies. *J Wildl Dis* 60:241-284.

Sadeghi, B., M.H. Groschup, and M. Eiden. 2024. In silico identification of novel pre-microRNA genes in Rift valley fever virus suggest new pathomechanisms for embryo-fetal dysgenesis. *Virulence* 15:2329447.

Samkange, A., P. Mbiriri, O.C. Matomola, G. Zaire, A. Homateni, E. Junias, I. Kaatura, S. Khaiseb, S. Ekandjo, J. Shoopala, M. Hausiku, A. Shilongo, M.L. Mujiwa, K. Dietze, F. Busch, C. Winter, C. Matos, S. Weiss, and S. Chitanga. 2024. Serological Evidence of Crimean-Congo Haemorrhagic Fever in Livestock in the Omaheke Region of Namibia. *Microorganisms* 12:838.

Santoro, A., F. Santolamazza, S.M. Cacciò, G. La Rosa, D. Antolová, H. Auer, G. Bagrade, P. Bandelj, W. Basso, R. Beck, C.V. Citterio, R.K. Davidson, G. Deksne, C.F. Frey, E. Fuglei, W. Glawischnig, B. Gottstein, J. Harna, H. Huus Petersen, J. Karamon, F. Jansen, J. Jarošová, P. Jokelainen, B. Lundström-Stadelmann, P. Maksimov, M. Miljević, M. Miterpáková, E. Moks, F. Origi, Z. Ozolina, M.-P. Ryser, T. Romig, M. Šarkūnas, N. Scorrano, U. Saarma, V. Šnábel, T. Sréter, G. Umhang, G. Vengušt, D. Žele Vengušt, and A. Casulli. 2024. Mitochondrial genetic diversity and phylogenetic relationships of *Echinococcus multilocularis* in Europe. *Int J Parasitol* 54:233-245.

Santos-Silva, S., D.F. Silva Dias Da Moraes, P. López-López, J. Paupério, J. Queirós, A. Rivero-Juarez, L. Lux, R.G. Ulrich, H.M.R. Gonçalves, W.H.M. van der Poel, M.S.J. Nascimento, and J.R. Mesquita. 2024. Detection of hepatitis E virus genotype 3 in an Algerian mouse (*Mus spretus*) in Portugal. *Vet Res Commun* 48:1803-1812.

Schaffner, F., C. Silaghi, N.O. Verhulst, J. Depaquit, and A. Mathis. 2024. The Phlebotomine sand fly fauna of Switzerland revisited. *Med Vet Entomol* 38:13-22.

Schmalkuche, K., T. Rother, S. Besli, R. Schwinzer, R. Blasczyk, B. Petersen, and C. Figueiredo. 2024. Human PD-L1 Overexpression Decreases Xenogeneic Human T-cell Immune Responses Towards Porcine Kidneys. *Front Immunol* 15:1279050.

Schmidt, A., H. Zhang, S. Schmitt, C. Rausch, O. Popp, J. Chen, D. Cmarko, F. Butter, G. Dittmar, F. Lermyte, and M.C. Cardoso. 2024. The Proteomic Composition and Organization of Constitutive Heterochromatin in Mouse Tissues. *Cells* 13:139.

Schulze-Luehrmann, J., E. Liebler-Tenorio, A. Felipe-López, and A. Lührmann. 2024. Cell death induction facilitates egress of *Coxiella burnetii* from infected host cells at late stages of infection. *Mol Microbiol* 121:513-528.

Schütz, A.K., H. Louton, M. Fischer, C. Probst, J.M. Gethmann, F.J. Conraths, and T. Homeier-Bachmann. 2024. Automated Detection and Counting of Wild Boar in Camera Trap Images. *Animals* 14:1408.

Seemann, L., J. Frahm, S. Kersten, S. Bühler, U. Meyer, C. Visscher, K. Huber, and S. Dänicke. 2024. Dietary L-carnitine supplementation modifies blood parameters of mid-lactating dairy cows during standardized lipopolysaccharide-induced inflammation. *Front Immunol* **15**:1390137.

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. 2024. Complex N-glycans are important for interspecies transmission of H7 influenza A viruses. *J Virol* **90**:e01941-23.

Stadler, J., S. Zwickl, S. Gumbert, M. Ritzmann, K. Lillie-Jaschniski, T. Harder, A. Graaf-Rau, V. Skampardonis, and M. Eddicks. 2024. Influenza surveillance in pigs: balancing act between broad diagnostic coverage and specific virus characterization. *Porcine Health Manag* **10**:19.

Stojak, J., D. Rocha, C. Mörke, C. Kühn, V. Blanquet, and H. Taniguchi. 2024. Establishment of a cloning-free CRISPR/Cas9 protocol to generate large deletions in the bovine MDBK cell line. *J Appl Genet* **65**:399-402.

Suluk, R., J. Jabaty, K. Fischer, S. Diederich, M.H. Groschup, and M. Eiden. 2024. Hepatitis E Seroprevalence and Detection of Genotype 3 Strains in Domestic Pigs from Sierra Leone Collected in 2016 and 2017. *Viruses* **16**:558.

Tenzin, T., E. Hikufe, N. Hedimbi, R. Athingo, M.B. Shikongo, T. Shuro, J. Ipinge, N. Herman, M. Naunyang, F. Haufiku, J. Peter, L. Hango, S. Gottlieb, K. Shoombe, N. Denzin, F. Busch, F. Lohr, M. Letshwenyo, G. Torres, C.M. Freuling, T. Müller, and A. Shilongo. 2023. Dog ecology and rabies knowledge, attitude and practice (KAP) in the Northern Communal Areas of Namibia. *PLoS Negl Trop Dis* **18**:e0011631.

Thomson, J., M. Joeres, G. Schares, E.A. Innes, and C.M. Hamilton. 2024. Detection of viable *Toxoplasma gondii* in retail venison. *Food Control* **160**:110354.

Vallbracht, M., M. Schnell, A. Seyfarth, W. Fuchs, R. Kuchler, T.C. Mettenleiter, and B.G. Klupp. 2024. A Single Amino Acid Substitution in the Transmembrane Domain of Glycoprotein H Functionally Compensates for the Absence of gL in Pseudorabies Virus. *Viruses* **16**:26.

Veshkini, A., F. Dengler, L. Bachmann, W. Liermann, C. Helm, R. Ulrich, C. Delling, C. Kühn, and H.M. Hammon. 2024. *Cryptosporidium parvum* infection alters the intestinal mucosa transcriptome in neonatal calves: implications for immune function. *Front Immunol* **15**:1351427.

Victoria, C., G. Schulz, M. Klöhn, S. Weber, C.M. Holicki, Y. Brüggemann, M. Becker, G. Gerold, M. Eiden, M.H. Groschup, E. Steinmann, and A. Kirschnig. 2024. Halogenated Rocaglate Derivatives: Pan-antiviral Agents against Hepatitis E Virus and Emerging Viruses. *J Med Chem* **67**:289-321.

Wagner, H., M. Heller, A. Fawzy, C. Schnee, A. Nessler, U. Kaim, C. Ewers, T. Semmler, J. Spargser, T. Schultze, and T. Eisenberg. 2024. *Mycoplasma mycoides* subspecies *capri*, an uncommon mastitis and respiratory pathogen isolated in a German flock of goats. *Vet Microbiol* **290**:109996.

Wareth, G., H. Brangsch, N.H. Nguyen, T.N.M. Nguyen, M.W. Pletz, H. Neubauer, and L.D. Sprague. 2024. WGS analysis of hypervirulent and MDR *Klebsiella pneumoniae* from Vietnam reveals an inverse relationship between resistome and virulome. *Ger J Microbiol* **4**:15-24.

Wattad, N.R., E. Ozer, S. Altgilbers, C. Klein, E. Cohen, O. Zuckerman, E. Sessler, T. Hadad, Y. Alcalay, and U. Abdu. 2024. Intratesticular Versus Intraperitoneal Busulfan Administration: A Comparative Study on Spermatogenesis Suppression in Quails and Chickens. *Poultry Sci* [Epub ahead of print; doi:10.1016/j.psj.2024.103890]

Wehrle, F., U. Moog, K. Donat, H. Köhler, and A. Klassen. 2024. Verbreitung der Paratuberkulose in Thüringer Schaf- und Ziegenherden. *Tierärztl Prax* **52**:25-32.

Welch, S.R., A.R. Garrison, D.A. Bente, F. Burt, J. D'Addiego, S. Devignot, S. Dowall, K. Fischer, D.W. Hawman, R. Hewson, A. Mirazimi, L. Ostereich, Z. Vatansever, J.R. Spengler, and A. Papa. 2024. Third International Conference on Crimean-Congo hemorrhagic fever in Thessaloniki, Greece, September 19-21, 2023. *Antivir Res* **225**:105844.

Wernike, K., and M. Beer. 2024. Comparison of bovine viral diarrhoea virus detection methods: Results of an international proficiency trial. *Vet Microbiol* **290**:109985.

Wernike, K., F. Pfaff, and M. Beer. 2024. "Fading out" -genomic epidemiology of the last persistently infected BVDV cattle in Germany. *Front Vet Sci* **12**:96.

Westhoff, K.M., D. Fischer, K. Jäger, K. Trinkaus, U. Ziegler, and M. Lierz. 2024. Laryngeal and oropharyngeal adenocarcinoma with pulmonary metastases in a common raven (*Corvus corax*). *Tierärztl Prax Ausg K* **52**:125-129.

Wijburg, S.R., M.G.E. Montizaan, M.J.L. Kik, M. Joeres, G. Cardron, C. Luttermann, M. Maas, P. Maksimov, M. Opsteegh, and G. Schares. 2024. Drivers of infection with *Toxoplasma gondii* genotype type II in Eurasian red squirrels (*Sciurus vulgaris*). *Parasite Vector* **17**:30.

Wolf-Vollenbröker, M., S. Petow, M. Schmidbauer, M. Fellmin, R. Ulrich, and J. Mehlhorn. 2024. Detailed analysis of skull morphology and brain size in crested padovana chicken (*Gallus gallus* f.d.). *Front Ecol Evol* **12**:1389382.

Zhang, Z., T. Takenaga, S.K. Fehling, M. Igarashi, T. Hirokawa, Y. Muramoto, K. Yamauchi, C. Onishi, M. Nakano, S. Urata, A. Groseth, T. Strecker, and T. Noda. 2024. Hexestrol, an estrogen receptor agonist, inhibits Lassa virus entry. *J Virol* [Epub ahead of print; doi:10.1128/jvi.00714-24]

## Publications in non-peer reviewed journals/Conference Proceedings

Acosta, A., M. Barrera, D. Jarrín, A. Maldonado, J. Salas, G. Camargo, B. Mello, A. Burbano, E. Dela Torre, B. Hoffmann, and K. Dietze. 2024. Linking vector favourable environmental conditions with serological evidence of widespread Bluetongue virus exposure in livestock in Ecuador (Preprint). *Res Square* [Epub ahead of print; doi:10.21203/rs.3.rs-4004480/v1]

Almeida, M.V., M. Blumer, C.U. Yuan, P. Sierra, J.L. Price, F.X. Quah, A. Friman, A. Dallaire, G. Vernaz, A.L.K. Putman, A.M. Smith, D.A. Joyce, F. Butter, A.D. Haase, R. Durbin, M.E. Santos, and E.A. Miska. 2024. Dynamic co-evolution of transposable elements and the piRNA pathway in African cichlid fishes (Preprint). *bioRxiv* [Epub ahead of print; doi: 10.1101/2024.04.01.587621]

Blome, S., M. Schäfer, L. Ishchenko, C. Müller, M. Fischer, T. Carrau, L. Liu, E. Emmoth, K. Stahl, A. Mader, M. Wendland, J. Kowalczyk, R. Mateus-Vargas, and R. Pieper. 2024. Survival of African swine fever virus in feed, bedding materials and mechanical vectors and their potential role in virus transmission. *EFSA Supporting Publ* **21**:8776E.

ENETWILD Consortium, F. Occhibove, S. Knauf, C. Sauter-Louis, C. Staubach, V. Allendorf, A. Anton, S. Barron, H. Bergmann, C. Bröjer, E. Buzan, J. Cerny, N. Denzin, F. Gethöffer, A. Globig, J. Gethmann, M. Gonzálves, I. García-Bocanegra, T. Harder, F. Jori, O. Keuling, A. Neimanis, J. Neumann Heise, I. Pastori, P. Parreira Perin, J.M. Rijks, K. Schulz, T. Trogu, K. Plis, R. Vada, G. Vercher, N. Wischnewski, S. Zanet, and E. Ferroglio. 2024. The role of mammals in Avian Influenza: a review. *EFSA Supporting Publ* **21**:8692E.

Friedrichs, V., D. Reicks, J.J. Zimmerman, E.A. Nelson, C. Sauter-Louis, M. Beer, J. Christopher-Hennings, and S. Blome. 2024. Establishment of a Suitable Diagnostic Pipeline to Ensure Sensitive Detection of African Swine Fever Virus Genome in Porcine Semen (Preprint). *Preprints* [Epub ahead of print; doi:10.20944/preprints202405.0482.v1]

Handley, B.L., C. Gonzalez-Beiras, S. Tchatchouang, K. Aboh Hugues, L.A. Basing, A. Sylla, M.S. Kouamé-Sina, I. Amanor, P. Ndzomo, A. Aloumba, M. Bakheit, C. Müller, N. Borst, T. Haerpfer, E. Landmann, L. Becherer, S. Lüert, S. Frischmann, S. Burl, E. Njih Tabah, T. Crucitti, A. Tano, D.

Arhinful, P. Awondo, S. Ngazoa Kakou, S. Eyangoh, K.K. Addo, S. Knauf, O. Mitjà, E.-M. Harding-Esch, and M. Marks. 2024. A Multi-Country, Diagnostic Accuracy Evaluation of a Loop Mediated Isothermal Amplification (LAMP) Test for Yaws (Preprint). SSRN J [Epub ahead of print; doi:10.2139/ssrn.4769105]

Hildebrand, L., S. Weigend, M. Kölln, S. Petow, and L. Schrader. 2024. Schadensbegrenzung betreiben. DGS Magazin 1/2024:16-19.

Kalbfleisch, T., S. McKay, B. Murdoch, D.L. Adelson, D. Almansa, G. Becker, L.M. Beckett, M.J. Benítez-Galeano, F. Biase, T. Casey, E. Chuong, E. Clark, S. Clarke, N. Cockett, C. Couldrey, B.W. Davis, C.G. Elsik, T. Faraut, Y. Gao, C. Genet, P. Grady, J. Green, R. Green, D. Guan, D. Hagen, G.A. Hartley, M. Heaton, S.J. Hoyt, W. Huang, E. Jarvis, J. Kalleberg, H. Khatib, K.-P. Koepfi, J. Koltes, S. Koren, C. Kühn, T. Leeb, A. Leonard, G.E. Liu, W.Y. Low, H. McConnell, K. McRae, K. Miga, M. Mousel, H. Neibergs, R. O'Neill, T. Olagunju, M. Pennell, B. Petry, M. Pewsner, A.M. Phillippy, B.D. Pickett, P. Pineda, T. Potapova, S. Rachagani, A. Rhie, M. Rijnkels, A. Robic, N. Rodriguez Osorio, Y. Safonova, G. Schettini, R.D. Schnabel, N. Sirpu Natesh, M. Stegemiller, J.M. Storer, P. Stothard, C. Stull, G. Tosser-Klopp, G.M. Traglia, C. Tuggle, C.P. van Tassell, C. Watson, R. Weikard, K. Wimmers, S. Xie, L. Yang, T. Smith, and B. Rosen. 2024. RT2T: A Global Collaborative Project to Study Chromosomal Evolution in the Suborder Ruminantia (Preprint). Res Square [Epub ahead of print; doi:10.21203/rs.3.rs-3918604/v2]

Kanda, T., P.D. Santos, D. Höper, M. Beer, D. Rubbenstroth, and K. Tomonaga. 2024. The absence of superinfection exclusion of Borna disease virus 2 maintains genomic polymorphisms in persistently infected cells (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.04.15.589485]

Kellner, M.J., P. Zelger, V. Monteil, G. Pei, M. Onji, K. Nayak, M. Zilbauer, A. Balkema-Buschmann, A. Dorhoi, A. Mirazimi, and J.M. Penninger. 2024. Reconstructing bat antiviral immunity using epithelial organoids (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.04.05.588241]

King, J., A. Pohlmann, A. Bange, E. Horn, B. Hälterlein, A. Breithaupt, A. Globig, A. Günther, A. Kelm, C. Wiedemann, C. Grund, K. Haecker, S. Garthe, T. Harder, M. Beer, and P. Schwemmer. 2024. Red knots in Europe - a dead end host species or a new niche for highly pathogenic avian influenza? (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.05.21.593879]

Kuryshko, M., M. Landmann, C. Luttermann, R. Ulrich, and E.M. Abdelwhab. 2024. In turkeys, unlike chickens, the non-structural NS1 protein does not play a significant role in the replication and tissue tropism of the H7N1 avian influenza virus (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.01.29.57776]

Langer, B.E., A. Amaral, M.-O. Baudement, F. Bonath, M. Charles, P.K. Chitneedi, E.L. Clark, P. Di Tommaso, S. Djebali, P.A. Ewels, S. Eynard, J.A. Fellows Yates, D. Fischer, E.W. Floden, S. Foissac, G. Gabernet, M.U. Garcia, G. Gillard, M.K. Gundappa, C. Guyomar, C. Hakkaart, F. Hanssen, P.W. Harrison, M. Hörtenhuber, C. Kurylo, C. Kühn, S. Lagarrigue, D. Lallias, D.J. Macqueen, E. Miller, J. Mir-Pedrol, G.C.M. Moreira, S. Nahnsen, H. Patel, A. Peltzer, F. Pitel, Y. Ramayo-Caldas, M. da Câmara Ribeiro-Dantas, D. Rocha, M. Salavati, A. Sokolov, J. Espinosa-Carrasco, C. Notredame, and the nf-core community. 2024. Empowering bioinformatics communities with Nextflow and nf-core (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.05.10.592912]

Lisovski, S., A. Günther, M. Dewar, F. Aldunate, R. Arce, G. Ballard, S. Bauer, J. Belliure, A.C. Banyard, T. Boulonier, A. Bennison, C. Braun, C. Cary, P. Catry, A. Clessin, M. Connan, E. Correia, A. Cox, J. Cristina, M. Elrod, J. Emerit, I. Ferreira, Z. Fowler, A. Gamble, J.P. Granadeiro, J. Hurtado, D. Jongsomjit, A. Kuepfer, C. Lesage, M. Lejeune, A. Lescroël, A. Li, I.R. McDonald, J. Menéndez-Blázquez, V. Morandini, G. Moratorio, T. Militão, P. Moreno, P. Perbolianachis, J. Pennycook, M.M. Sander, A.E. Schmidt, L. Smyth, A. Soutullo, A. Stanworth, L. Streith, J. Tornos, A. Varsani, U. Herzschuh, M. Beer, and M. Wille. 2024. Unexpected delayed incursion of highly pathogenic avian influenza H5N1 (clade 2.3.4.4b) in the Antarctic region (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2023.10.24.563692]



**Malchow, J.** 2024. Erhöhte Ebenen für Masthühner: Welcher Untergrund eignet sich? DGS Magazin 75(4):24-27.

**Niemetz, L., B.S. Bodmer, C. Olal, B. Escudero-Pérez, K. Hoehn, A. Bencsik, M.A. Vickers, E. Rodríguez, L. Oestereich, T. Hoenen, and C. Muñoz-Fontela.** 2024. Ebola virus infection of Flt3-dependent, conventional dendritic cells and antigen cross-presentation leads to high levels of T-cell activation (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.05.14.594125]

**Pell, C., R. Wagner, C. Ewers, C. Schultsz, T. Homeier-Bachmann, C. Heydel, F. van Leth, and C. Menge.** 2024. The Opportunities for and Barriers to Antimicrobial Resistance Surveillance by Lot Quality Assurance Sampling in Livestock: Findings from Interviews with Stakeholders in Germany (Preprint). SSRN Electronic J [Epub ahead of print; doi:10.2139/ssrn.4839353]

**Robic, A., H. Hadlich, G. Costa Monteiro Moreira, E.L. Clark, G. Plastow, C. Charlier, and C. Kühn.** 2024. Polyadenylated RNA sequencing analysis helps establish a reliable catalog of circular RNAs - a bovine example (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.04.29.591253]

**Rüster, V., C. Strube, C. Schnabel, H. Werner, S. Wieneke, G. Avaramidis, L. ten Bosch, and T. Bartels.** 2024. Lila Licht gegen Rote Vogelmilben. DGS Magazin 75(3):28-31.

**Thal, D.A., M.H. Groschup, F. Leendertz, S. Ludwig, F. Jansen, R. Suchsland, and J. Eberhard.** 2024. Eine Plattform für die vernetzte One Health-Forschung in Deutschland. Dt Tierärztebl 72:572-575.

**Voigt, A., H. Kampen, E. Heuser, S. Zeiske, B. Hoffmann, D. Höper, M. Holsteg, F. Sick, S. Ziegler, K. Wernike, M. Beer, and D. Werner.** 2024. Emergence of bluetongue virus serotype 3 in western Germany, October 2023, and *ad-hoc* monitoring in *Culicoides* biting midges (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.02.26.582175]

**Weisert, N., V. Majewski, L. Hartleb, K. Luko, L. Lototska, N.C. Krapoth, H.D. Ulrich, C.J. Janzen, and F. Butter.** 2024. TelAP2 links TelAP1 to the telomere complex in *Trypanosoma brucei* (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.05.22.595291]

**Werner, D., A. Voigt, H. Kampen, K. Wernike, and M. Beer.** 2024. Winzige Mücke, große Wirkung. Top agrar, <https://www.topagrar.com/rind/news/winzige-muecke-grosse-wirkung-20001313.html?upgrade=true>.

**Wilharm, G., E. Skiebe, A. Łopińska, P.G. Higgins, K. Weber, C. Schaudinn, C. Neugebauer, K. Görlitz, G. Meimers, Y. Rizova, U. Blaschke, C. Heider, C. Cuny, S. Drewes, E. Heuser, K. Jeske, J. Jacob, R.G. Ulrich, M. Bochenski, M. Kasprzak, E. Burda, M. Ciepliński, I. Kaluga, Ł. Jankowiak, J.I. Aguirre, A. López-García, U. Höfle, Z. Jagiello, M. Tobółka, B. Janic, P. Zieliński, M. Kamiński, J. Frisch, J. Siekiera, A.F. Wendel, P. Brauner, U. Jäckel, M. Kaatz, S. Müller, A. Lübke-Becker, L.H. Wieler, J. von Wachsmann, L. Thrukonda, M. Helal, L. Epping, S.A. Wolf, T. Semmler, and L. Jerzak.** 2024. On the ecology of *Acinetobacter baumannii* - jet stream rider and opportunist by nature (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2024.01.15.572815]

## Books/Book chapters

**Kaske, M., P. Reinhold, B. Pardon, and J. Bokma.** 2024. Bovine Respiratory Disease. *In*: Gross, J.J. (Hrsg.), Production Diseases in Farm Animals, Springer, Cham, ISBN: 978-3-031-51787-7 (hardcover) / 978-3-031-51790-7 (softcover) / 978-3-031-51788-4 (eBook), doi: 10.1007/978-3-031-51788-4\_12, 406 S., S. 273-303.

**Lisovski, S., U. Herzsuh, and A. Günther.** 2024. The Origin and Diversity of Viruses transported to King George Island via Migratory Birds. *In*: Regnery, J., T. Matz, P. Köhler, and C. Wesche (eds.), Expeditions to Antarctica: ANT-Land 2022/23 NEUMAYER STATION III, Kohnen Station and Field Campaigns, Berichte zur Polar- und Meeresforschung / Reports on Polar and Marine Research, Vol. 784, Alfred-Wegener-Institut, Helmholtz-Zentrum für Polar- und Meeresforschung, Bremerhaven, ISBN: 1866-3192, doi:10.57738/BzPM\_0784\_2024, p. 195-198.



**Meyers, G., and B.A. Tews.** 2024. Self-Replicating RNA Derived from the Genomes of Positive-Strand RNA Viruses. *In: RNA Vaccines - Methods and Protocols, Methods in Molecular Biology, Vol. 2786, 2<sup>nd</sup> Ed., Humana New York, ISBN: 978-1-0716-3769-2 (Hardcover) / 978-1-0716-3772-2 (Softcover) / 978-1-0716-3770-8 (eBook), doi:10.1007/978-1-0716-3770-8\_2, S. 25-49.*

**Murr, M., and T.C. Mettenleiter.** 2024. Negative-Strand RNA Virus-Vectored Vaccines. *In: RNA Vaccines - Methods and Protocols, Methods in Molecular Biology, Vol. 2786, 2<sup>nd</sup> Ed., Humana New York, ISBN: 978-1-0716-3769-2 (Hardcover) / 978-1-0716-3772-2 (Softcover) / 978-1-0716-3770-8 (eBook), doi:10.1007/978-1-0716-3770-8\_3, S. 51-87.*

**Rodriguez-Diaz, C., C. Seboldt, and M. Rupnik.** 2024. Non-human *Clostridioides difficile* Reservoirs and Sources: Animals, Food, Environment. *In: Mastrantonio, P., and M. Rupnik (eds.), Updates on Clostridioides difficile in Europe, Advances in Experimental Medicine and Biology, Vol. 1435, Springer, Cham, ISBN: 978-3-031-42107-5 (print) / 978-3-031-42108-2 (online), doi:10.1007/978-3-031-42108-2\_15, p. 329-350.*

**Witten, S., D. Werner, C. Veit, A. Schubbert, M. Kölln, J. Kluess, S. Dippel, R. Bussemas, T. Bartels, L. Baldinger, and K. Aulrich.** 2024. Protein- und Aminosäurenversorgung junger Schweine und Hühner im Ökologischen Landbau. Thünen Working Paper 240, Johann Heinrich von Thünen-Institut, Braunschweig, doi:10.3220/WP1715758857000.

**Witten, S., D. Werner, C. Veit, A. Schubbert, M. Kölln, J. Kluess, S. Dippel, R. Bussemas, T. Bartels, L. Baldinger, and K. Aulrich.** 2024. Supply of protein feed to young pigs and chickens in organic farming. Thünen Working Paper 240a, Johann Heinrich von Thünen-Institut, Braunschweig, doi:10.3220/WP1715760422000.

## Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses

### Habilitations

--

### Doctoral theses

**Heymann, Ann-Kathrin (ITE):** Influences of glyphosate residues in combination with varying concentrate feed proportions in the ration on the health of German Holstein cattle (TU Carolo-Wilhelmina zu Braunschweig)

**Höne, Anja (ITT):** The effect of intensive selection for egg production on foraging related behavior and performance related hormones in laying hens (Universität Hohenheim)

### PhD Theses

**Rüster, Vanessa (ITT):** Use of cold atmospheric plasma against poultry red mites (*Dermanyssus gallinae*) as an innovative component in an Integrated Pest Management (Tierärztliche Hochschule Hannover)

### Diploma theses

--

### Master theses

**Crisóstomo, João Afonso Coutinho (IfE):** Examination of a herd experiencing *Neospora caninum*-associated abortion by a mouse monoclonal antibody-based competitive ELISA (Universidade de Évora, Portugal)

**Dietzel, Friederike** (IVD, ATB): Vorkommen von Pathogenen im Respirationstrakt von Wildwiederkäuern und Wildschweinen in Mecklenburg-Vorpommern (Universität Rostock)

**Gross, Tabea** (IfI): Interspecies characterization of VEE virus replicon particle interaction with primary immune cells (Universität Greifswald)

**Hasan, Majdil Ilyas Hasan** (IBIZ): Phenotypic and genotypic analysis of antimicrobial resistance in multiple drug-resistant *Klebsiella pneumoniae* isolates from humans (Anhalt University of Applied Sciences, Köthen)

**Kastner, Georg** (IVD): Orthopoxvirus Evolution: Automated Genome Annotation, Advanced Phylogeny and Analysis of Genome Plasticity (Universität Greifswald)

**Rath, Justina Luise** (IVD): Establishment of the detection of neurotropic viruses using Digoxigenin-labelled RNA probes (Universität Greifswald)

### Bachelor theses

**Ahrens, Ava** (ITT): Eignung zur Untersuchung von Sitzstangen für Legehennen (Georg-August-Universität Göttingen)

**Haver, Cord** (ITT): Einfluss der Größe der Abferkelbucht auf das Umdrehen nicht fixierter Sauen (Georg-August-Universität Göttingen)