



# Publikationen des FLI 2022

## Inhaltsverzeichnis

Veröffentlichungen in referierten Zeitschriften .....	2
Veröffentlichungen in nicht referierten Zeitschriften/Conference Proceedings .....	15
Buchbeiträge .....	17
Habilitationen, Dissertationen, PhD Theses, Diplom-, Master- und Bachelorarbeiten .....	17
Habilitationen .....	17
Dissertationen .....	17
PhD Theses .....	17
Diplomarbeiten .....	18
Masterarbeiten .....	18
Bachelorarbeiten .....	18

Bearbeitung: Anette Beidler  
Redaktionsschluss: 01.06.2022

## Veröffentlichungen in referierten Zeitschriften

Acosta, A., N. Cespedes Cardenas, C. Imbacuan, H.H.K. Lentz, K. Dietze, M. Amaku, A. Burbano, V.S.P. Gonçalves, and F. Ferreira. 2022. Modelling control strategies against Classical Swine Fever: influence of traders and markets using static and temporal networks in Ecuador. *Prev Vet Med* [Epub ahead of print; doi:10.1016/j.prevetmed.2022.105683]

Aaziz, R., K. Laroucau, F. Gobbo, D. Salvatore, C. Schnee, C. Terregino, C. Lupini, and A. Di Francesco. 2022. Occurrence of Chlamydiae in Corvids in Northeast Italy. *Animals* 12:1226.

Adamek, M., M. Matras, A. Rebl, M. Stachnik, A. Falco, J. Bauer, A.-C. Miebach, F. Teitge, V. Jung-Schroers, M. Abdullah, T. Krebs, L. Schröder, W. Fuchs, M. Reichert, and D. Steinhagen. 2022. Don't Let It Get Under Your Skin! - Vaccination Protects the Skin Barrier of Common Carp From Disruption Caused by Cyprinid Herpesvirus 3. *Front Immunol* 13:787021.

Adler, J.M., C. Weber, K. Wernike, A. Michelitsch, K. Friedrich, J. Trimpert, M. Beer, B. Kohn, K. Osterrieder, and E. Müller. 2022. Prevalence of anti-severe acute respiratory syndrome coronavirus 2 antibodies in cats in Germany and other European countries in the early phase of the coronavirus disease-19 pandemic. *Zoonoses Publ Health* [Epub ahead of print; doi:10.1111/zph.12932]

Ahrens, A.K., H.-C. Selinka, T.C. Mettenleiter, M. Beer, and T.C. Harder. 2022. Establishment and evaluation of qPCR and real-time recombinase-aided amplification assays for detection of largemouth bass ranavirus. *Emerg Microbes Infect* 11:1250-1261.

Akar, K., F. Tatar, G. Schmoock, G. Wareth, H. Neubauer, and O. Erganiş. 2022. Tracking the diversity and Mediterranean lineage of *Brucella melitensis* isolates from different animal species in Turkey using MLVA-16 genotyping. *Ger J Vet Res* 2:25-30.

Al-Gallas, N., K. Belghouthi, N.A. Barratt, K. Ghedira, H. Hotzel, H. Tomaso, H. El-Adawy, H. Neubauer, D. Laouini, S. Zarrouk, M.S. Abbassi, and R. Ben Aissa. 2022. Identification and characterization of multidrug-resistant ESBL-producing *Salmonella enterica* serovars Kentucky and Typhimurium isolated in Tunisia CTX-M-61/TEM-34, a novel cefotaxime-hydrolyzing B-lactamase of *Salmonella*. *J Appl Microbiol* 132:279-289.

Ali, I., A. Rehman, M.H. Mushtaq, M. Ijaz, M.S. Khaliq, M.S.U. Khan, S. Khalid, A. Masud, A. Abbas, S. Parveen, A. Saman, C. Sauter-Louis, and F.J. Conraths. 2022. Outbreak investigation and identification of risk factors associated with the occurrence of foot and mouth disease in Punjab, Pakistan. *Prev Vet Med* 202:105613.

Ali, S., U. Saeed, M. Rizwan, H. El-Adawy, K. Mertens-Scholz, and H. Neubauer. 2022. Serological Prevalence of and Risk Factors for *Coxiella burnetti* Infection in Women of Punjab Province, Pakistan. *Int J Environ Res Public Health* 19:4576.

Allendorf, V., N. Denzin, F.J. Conraths, L.A. Boden, F. Elvinger, I. Magouras, A. Stegeman, J.L.N. Wood, A. Carvajal Urueña, K.E.F. Grace, and K.D.C. Stärk. 2022. Does having a cat in your house increase your risk of catching COVID-19? *One Health* 14:100381.

Balkema-Buschmann, A., K. Fischer, L. McNabb, S. Diederich, N.B. Singanallur, U. Ziegler, G.M. Keil, P.D. Kirkland, M. Penning, B. Sadeghi, G. Marsh, J. Barr, and A. Colling. 2022. Serological Hendra Virus Diagnostics Using an Indirect ELISA-Based DIVA Approach with Recombinant Hendra G and N Proteins. *Microorganisms* 10:1095.

Bartels, T., M. von Ryssel, K. Cramer, M. Dayen, N. Kummerfeld, F. Müller-Trefzer, K. Pieper, A. Sobing, D. Tischbirek, and M.-E. Krautwald-Junghanns. 2022. Bird markets - An assessment of the situation in Germany with special reference to animal welfare aspects. *Berl Münch Tierärztl Wschr* 135, doi:10.2376/1439-0299-2021-17.

Baylis, S.A., C. Adlhoch, L. Childs, and the HEV Sequencing Study Group<sup>1</sup>. 2022. An Evaluation of Hepatitis E Virus Molecular Typing Methods. *Clin Chem* **68**:181-191.

Behrendt, P., M. Friesland, J.-E. Wißmann, V. Kinast, Y. Stahl, D. Praditya, L. Hueffner, P.M. Nörenberg, B. Bremer, B. Maasoumy, J. Steinmann, B. Becker, D. Paulmann, F.H.H. Brill, J. Steinmann, R.G. Ulrich, Y. Brüggemann, H. Wedemeyer, D. Todt, and E. Steinmann. 2022. Hepatitis E virus is highly resistant to alcohol-based disinfectants. *J Hepatol* **76**:1062-1069.

Belakehal, F., S.A. Barth, C. Menge, H.T. Mossadak, N. Malek, and I. Moser. 2022. Evaluation of the discriminatory power of spoligotyping and 19-locus mycobacterial interspersed repetitive unit-variable number of tandem repeat analysis (MIRU-VNTR) of *Mycobacterium bovis* strains isolated from cattle in Algeria. *PLoS one* **17**:e0262390.

Bell-Sakyi, L., C.S. Hartley, J.J. Khoo, J.H. Forth, A.M. Palomar, and B.L. Makepeace. 2022. New Cell Lines Derived from European Tick Species. *Microorganisms* **10**:1086.

Ben Said, M., S. Diaz Sanchez, A. Bastos, and C. Silaghi. 2022. Editorial: Current Knowledge on Pathogenic and Endosymbiotic Tick-Borne Bacteria. *Front Vet Sci* **9**:900510.

Bergmann, F., D.S. Trachsel, S.D. Stoeckle, J. Bernis Sierra, S. Lübke, M.H. Groschup, H. Gehlen, and U. Ziegler. 2022. Seroepidemiological Survey of West Nile Virus Infections in Horses from Berlin/Brandenburg and North Rhine-Westphalia, Germany. *Viruses* **14**:243.

Bhowmick, S., K.K. Kasi, J. Gethmann, S. Fischer, F.J. Conraths, I.M. Sokolov, and H.H.K. Lentz. 2022. Ticks on the Run: A Mathematical Model of Crimean-Congo Haemorrhagic Fever (CCHF)—Key Factors for Transmission. *Epidemiologia* **3**:116-134.

Bodmer, B.S., and T. Hoenen. 2022. Assessment of Life Cycle Modeling Systems as Prediction Tools for a Possible Attenuation of Recombinant Ebola Viruses. *Viruses* **14**:1044.

Brachtl, G., R. Poupardin, S. Hochmann, A. Raninger, K. Jürchott, M. Streitz, S. Schlickeiser, M. oeller, M. Wolf, K. Schallmoser, H.-D. Volk, S. Geissler, and D. Strunk. 2022. Batch Effects during Human Bone Marrow Stromal Cell Propagation Preval Donor Variation and Culture Duration: Impact on Genotype, Phenotype and Function. *Cells* **11**:946.

Brake, D.A., J.H. Kuhn, G.A. Marsh, M. Beer, and J.B. Fine. 2022. Challenges and Opportunities in the Use of High and Maximum Biocontainment Facilities in Developing and Licensing Risk Group 3 and Risk Group 4 Agent Veterinary Vaccines. *ILAR J* **61**:46-61.

Brangsch, H., A. Golovko, N. Pinchuk, O. Deriabin, T. Kyselova, J. Linde, F. Melzer, and M.C. Elschner. 2022. Molecular Typing of Ukrainian *Bacillus anthracis* Strains by Combining Whole-Genome Sequencing Techniques. *Microorganisms* **10**:461.

Brangsch, H., M. Saqib, A.R. Sial, F. Melzer, J. Linde, and M.C. Elschner. 2022. Sequencing-Based Genotyping of Pakistani *Burkholderia mallei* Strains: A Useful Way for Investigating Glanders Outbreaks. *Pathogens* **11**:614.

Brede, M., S.-B. Haange, S. Riede, B. Engelmann, N. Jehmlich, U.E. Rolle-Kampczyk, K. Rohn, D. von Soosten, M. von Bergen, and G. Breves. 2022. Effects of Different Formulations of Glyphosate on Rumen Microbial Metabolism and Bacterial Community Composition in the Rumen Simulation Technique System. *Front Microbiol* **13**:873101.

Caballero-Gómez, J., A. Rivero-Jurarez, E. Jurado-Tarifa, D. Jiménez-Martín, E. Jiménez-Ruiz, S. Castro-Scholten, R.G. Ulrich, P. López-López, A. Rivero, and I. García-Bocanegra. 2022. Serological and molecular survey of hepatitis E virus in cats and dogs in Spain. *Transbound Emerg Dis* **69**:240-248.

---

<sup>1</sup> FLI Members HEV Sequencing Study Group: Eiden, M., and B. Boettcher

Chan, J.T.H., S. Kadri, B. Köllner, A. Rebl, and T. Korytář. 2022. RNA-seq of single fish cells - seeking out the leukocytes mediating immunity in teleost fishes. *Front Immunol* **13**:798712.

Chiou, K.L., M.C. Janiak, I.A. Schneider-Crease, S. Sen, F. Ayele, I.S. Chuma, S. Knauf, A. Lemma, A.V. Signore, A.M. D'Ippolito, B. Abebe, A.A. Haile, F. Kebede, P.J. Fashing, N. Nguyen, C. McCann, M.L. Houck, J.D. Wall, A.S. Burrell, C.M. Bergey, J. Rogers, J.E. Phillips-Conroy, C.J. Jolly, A.D. Melin, J.F. Storz, A. Lu, J.C. Beehner, T.J. Bergman, and N. Snyder-Mackler. 2022. Genomic signatures of high-altitude adaptation and chromosomal polymorphism in geladas. *Nat Ecol Evol* **6**:630-643.

Cierniak, F., R.G. Ulrich, M.H. Groschup, and M. Eiden. 2022. A Modular Hepatitis E Virus Replicon System for Studies on the Role of ORF1-Encoded Polyprotein Domains. *Pathogens* **11**:355.

Danne, L., L. Horn, A. Feldhaus, D. Fey, S. Emde, H. Schütze, M. Adamek, and J. Hellmann. 2022. Virus infections of the European Eel in North Rhine Westphalian rivers. *J Fish Dis* **45**:69-76.

Deksne, G., M. Mateusa, S. Cvetkova, A. Derbakova, D. Keidāne, K. Troell, and G. Schares. 2022. Prevalence, risk factor and diversity of *Cryptosporidium* in cattle in Latvia. *Vet Parasitol Reg Stud Rep* **28**:100677.

Denzin, N., M. Bölling, A. Pohlmann, J. King, A. Globig, and F.J. Conraths. 2022. Investigation into a Superspreading Event of the German 2020-2021 Avian Influenza Epidemic. *Pathogens* **11**:309.

Diel, F., E. Rauch, R. Palme, C. Sauter-Louis, and E. Zeiler. 2022. Exploring the Evacuation of Dairy Cattle at Night in Collaboration with the Fire Brigade: How to Prepare Openings for Swift Rescue in Case of Barn Fire. *Animals* **12**:1344.

Diel de Amorim, M., C. Klein, R. Foster, L. Dong, M.F. Lopez-Rodriguez, and C. Card. 2022. Expression of Oxytocin/Neurophysin I and Oxytocinase in the Equine Conceptus from Day 8 to Day 21 Post-Ovulation. *Animals* **12**:799.

Dierks, C., S. Altgilbers, A. Weigend, R. Preisinger, and S. Weigend. 2022. Sexing assay for chickens and other birds for large-scale application based on a conserved sequence variant in CHD1 genes on W and Z chromosomes. *Anim Genet* **53**:235-237.

EFSA (European Food Safety Authority), Baños, J.V., A. Boklund, A. Gogin, C. Gortázar Schmidt, V. Guberti, G. Helyes, M. Kantere, D. Korytarova, A. Linden, M. Masiulis, A. Miteva, I. Neghirla, E. Oļševskis, S. Ostojic, S. Petr, C. Staubach, H.-H. Thulke, A. Viltrop, G. Wozniakowski, A. Broglia, J. Abrahantes Cortiñas, S. Dhollander, L. Mur, A. Papanikolaou, Y. van der Stede, G. Zancanaro, and K. Ståhl. 2022. Epidemiological analyses of African swine fever in the European Union. *EFSA J* **20**:e07290.

Eisermann, J., H. Schomburg, J. Knöll, L. Schrader, and A. Patt. 2022. Bite-o-Mat: A device to assess the individual manipulative behaviour of group housed pigs. *Comput Electron Agric* **193**:106708.

El-Husseini, D.M., A.E. Sayour, F. Melzer, M.F. Mohamed, H. Neubauer, and R.H. Tammam. 2022. Generation and Selection of Specific Aptamers Targeting *Brucella* Species through an Enhanced Cell-SELEX Methodology. *Int J Mol Sci* **23**:6131.

Essbauer, S., K. Baumann, M. Schlegel, M.K. Faulde, J. Lewitzki, S.C. Sauer, D. Frangoulidis, J.M. Riehm, G. Dobler, J.P. Teifke, H. Meyer, and R.G. Ulrich. 2022. Small Mammals as Reservoir for Zoonotic Agents in Afghanistan. *Milit Med* **187**:e189-e196.

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. 2022. Avian influenza overview December 2021 - March 2022. *EFSA J* **20**:e07289.

- Eusemann, B.K., R. Ulrich, E. Sanchez-Rodriguez, C. Bernavides-Reyes, N. Dominguez-Gasca, A.B. Rodriguez-Navarro, and S. Petow. 2022. Bone quality and composition are influenced by egg production, layer line, and estradiol-17 $\beta$  in laying hens. *Avian Pathol* [Epub ahead of print; doi:10.1080/03079457.2022.2050671]
- Falkenhagen, A., S.H. Tausch, A. Labutin, J. Grützke, G. Heckel, R.G. Ulrich, and R. Johne. 2022. Genetic and Biological Characteristics of Species A Rotaviruses Detected in Common Shrews Suggest a Distinct Evolutionary Trajectory. *Virus Evol* 8:veac004.
- Farooq, M., A.U. Khan, H. El-Adawy, K. Mertens-Scholz, I. Khan, H. Neubauer, and Y.-S. Ho. 2022. Research Trends and Hotspots of Q Fever Research: A Bibliometric Analysis 1990-2019. *BioMed Res Int* 2022:9324471.
- Fernández-Escobar, M., G. Schares, P. Maksimov, M. Joeres, L.-M. Ortega-Mora, and R. Calero-Bernal. 2022. *Toxoplasma gondii* genotyping: a closer look into Europe. *Front Cell Infect Microbiol* [Epub ahead of print; doi: 10.3389/fcimb.2022.842595]
- Ferrandis-Vila, M., S.K. Tiwari, S. Mamerow, T. Semmler, HECTOR consortium, C. Menge, and C. Berens. 2022. Using Unique ORFan Genes as Strain-specific Identifiers for *Escherichia Coli*. *BMC Microbiol* 22:135.
- Franco, S., N. Cougoule, A. Tison, A. Del Cont, C. Gastaldi, ILC Consortium<sup>2</sup>, and V. Duquesne. 2022. Reliability of Morphological and PCR Methods for the Official Diagnosis of *Aethina tumida* (Coleoptera: Nitidulidae): A European Inter-Laboratory Comparison. *Insects* 13:33.
- Galão, R.P., H. Wilson, K.L. Schierhorn, F. Debeljak, B.S. Bodmer, D. Goldhill, T. Hoenen, S.J. Wilson, C.M. Swanson, and S.J.D. Stuart. 2022. TRIM25 and ZAP target the Ebola virus ribonucleoprotein complex to mediate interferon-induced restriction. *PLoS Pathog* 18:e1010530.
- Ganzenberg, S., M. Sieg, U. Ziegler, M. Pfeffer, T.W. Vahlenkamp, U. Hörügel, M.H. Groschup, and K.L. Lohmann. 2022. Seroprevalence and Risk Factors for Equine West Nile Virus Infections in Eastern Germany, 2020. *Viruses* 14:1191.
- Geibel, J., N.P. Praefke, S. Weigend, H. Simianer, and C. Reimer. 2022. Assessment of linkage disequilibrium patterns between structural variants and single nucleotide polymorphisms in three commercial chicken populations. *BMC Genomics* 23:193.
- González-Santamarina, B., C. Schnee, H. Köhler, M. Weber, U. Methner, C. Seyboldt, C. Berens, and C. Menge. 2022. Untersuchung zur Ausscheidung ausgewählter pathogener, zoonotischer oder antimikrobiell resistenter Bakterien bei südamerikanischen Kameliden in Mitteldeutschland. *Berl Münch Tierärztl Wschr* 135, doi:10.2376/1439-0299-2021-21.
- Goonewardene, K.B., C. Onyilagha, M. Goolia, V.P. Le, S. Blome, and A. Ambagala. 2022. Superficial Inguinal Lymph Nodes for Screening Dead Pigs for African Swine Fever. *Viruses* 14:83.
- Górriz-Martín, L., A. Koenig, K. Jung, W. Bergforth, D. von Soosten, M. Hoedemaker, and Á.C. Bajcsy. 2022. Comparison between a Calving Predictive System and a Routine Prepartal Examination in German Holstein Heifers and Cows. *Vet Sci* 9:192.
- Göttling, J., J.-O. Heckel, H. Hotzel, A. Fruth, Y. Pfeifer, K. Henning, P. Kopp, K. Mertens-Scholz, W. Rietschel, and M. Pfeffer. 2022. Zoonotic bacteria in clinically healthy goats in petting zoo settings of zoological gardens in Germany. *Zoonoses Publ Health* 69:333-343.
- Guo, Y., Y. Wang, Z. Fan, X. Zhao, S.M. Bergmann, H. Dong, Y. Jin, D. Sun, Q. Mai, W. Liu, and W. Zeng. 2022. Establishment and evaluation of qPCR and real-time recombinase-aided amplification

---

<sup>2</sup> FLI Member ILC Consortium: Schäfer, M.O.

assays for detection of largemouth bass ranavirus. J Fish Dis [Epub ahead of print; doi:10.1111/jfd.13627]

Hamel, D., M. Visser, S. Mayr, O. Tauchmann, C. Silaghi, and S. Rehbein. 2021. Bovine parafilariosis - New autochthonous cases from Germany and summary of recent reports from Europe. Vet Parasitol Reg Stud Rep 28:100678.

Handley, B.L., C. González-Beiras, S. Tchatchouang, L.A. Basing, K.A. Hugues, M. Bakheit, L. Becherer, C. Ries, E.N. Tabah, T. Crucitti, N. Borst, S. Lüert, S. Frischmann, T. Haerpfer, E. Landmann, I. Amanor, A. Sylla, M.S. Kouamé-Sina, J.P. Ndzomo-Ngono, A. Tano, D. Arhinful, P. Awondo, S.N. Kakou, S. Eyangoh, K.K. Addo, E.M. Harding-Esch, S. Knauf, O. Mitjà, and M. Marks. 2022. LAMP4yaws: *Treponema pallidum*, *Haemophilus ducreyi* loop mediated isothermal amplification - protocol for a cross-sectional, observational, diagnostic accuracy study. BMJ Open 12:e058605.

Hashem, Y.M., W.S. Mousa, E.E. Abdeen, H.M. Abdelkhalek, M. Nooruzzaman, A. El-Askary, K.A. Ismail, A.M. Megahed, A. Abdeen, E.A. Soliman, and G. Wareth. 2022. Prevalence and Molecular Characterization of *Mycoplasma* Species, *Pasteurella multocida*, and *Staphylococcus aureus* Isolated from Calves with Respiratory Manifestations. Animals 12:312.

Hassan, K.E., A.K. Ahrens, A. Ali, M.F. El-Kady, H.M. Hafez, T.C. Mettenleiter, M. Beer, and T. Harder. 2022. Improved Subtyping of Avian Influenza Viruses Using an RT-qPCR-Based Low Density Array: 'Riems Influenza A Typing Array', Version 2 (RITA-2). Viruses 14:415.

Hassan, L., S. Ali, M.A. Syed, A.A. Shah, S.A. Abbasi, S. Tabassum, U. Saeed, F. Melzer, A.U. Khan, H. El-Adawy, and H. Neubauer. 2022. Risk Factors for Acute Brucellosis in Patients on the Day of Admission at Selected Hospitals of Abbottabad, Pakistan. Front Publ Health 9:669278.

Henning, H., J. Franz, J. Batz-Schott, X.L. Thi, and D. Waberski. 2022. Assessment of Chilling Injury in Boar Spermatozoa by Kinematic Patterns and Competitive Sperm-Oviduct Binding In Vitro. Animals 12:712.

Hirschbühl, K., T. Schaller, B. Märkl, R. Claus, E. Sipos, L. Rentschler, A. Maccagno, B. Grosser, E. Kling, M. Neidig, T. Kröncke, O. Spring, G. Braun, H. Bösmüller, M. Seidl, I. Esposito, J. Pablik, J. Hilsenbeck, P. Boor, M. Beer, S. Dintner, and C. Wylezich. 2022. High viral loads: what drives fatal cases of COVID-19 in vaccinees? - an autopsy study. Mod Pathol [Epub ahead of print; doi:10.1038/s41379-022-01069-9]

Hodnik, J.J., Ž. Acinger-Rogić, M. Alishani, T. Autio, A. Balseiro, J. Berezowski, L.P. Carmo, I. Chaligiannis, B. Conrady, L. Costa, I. Cvetkovikj, I. Davidov, M. Dispas, I. Djadjovski, E. Leclerc Duarte, C. Faverjon, C. Fourichon, J. Frössling, A. Gerilovych, J. Gethmann, J. Gomes, D. Graham, M. Guelbenzu, G.J. Gunn, M.K. Henry, P. Hopp, H. Houe, E. Irimia, J. Ježek, R.A. Juste, E. Kalaitzakis, J. Kaler, S. Kaplan, P. Kostoulas, K. Kovalenko, N. Knežević, T. Knific, X. Koleci, A. Madouasse, A. Malakauskas, R. Mandelik, E. Meletis, M. Mincu, K. Mötus, V. Muñoz-Gómez, M. Niculae, J. Nikitović, M. Ocepek, M. Tangen-Opsal, L. Ózsvári, D. Papadopoulos, T. Papadopoulos, S. Pelkonen, M.P. Polak, N. Pozzato, E. Rapaliuté, S. Ribbens, J. Niza-Ribeiro, F.-F. Roch, L. Rosenbaum Nielsen, J.L. Saez, S. Saxmose Nielsen, G. van Schaik, E. Schwan, B. Sekovska, J. Starič, S. Strain, P. Šatran, S. Šerić-Haračić, L.-M. Tamminen, H.-H. Thulke, I. Toplak, E. Tuunainen, S. Verner, Š. Vilček, R. Yildiz, and I.M.G.A. Santman-Berends. 2022. Corrigendum: Overview of Cattle Diseases Listed Under Category C, D or E in the Animal Health Law for Which Control Programmes Are in Place Within Europe. Front Vet Sci 9:902559.

Hoenen, T., and A. Groseth. 2022. Editorial: Virus-Host Cell Interactions. Cells 11:804.

Hölzer, M., A. Escobar-Zepeda, J. Linde, and F. Horn. 2022. Editorial: The transition era to new sequencing technologies and their application to integrative omics in molecular surveillance. Front Genet 13:840782.

Homeier-Bachmann, T., A.K. Schütz, S. Dreyer, J. Glanz, K. Schaufler, and F.J. Conraths. 2022. Genomic Analysis of ESBL-Producing *E. coli* in Wildlife from North-Eastern Germany. Antibiotics 11:123.

- Hussain, S., M. Saqib, H. El-Adawy, M.H. Hussain, T. Jamil, M.S. Sajid, M.A. Alvi, M. Ghafoor, M.H. Tayyab, Z. Abbas, K. Mertens-Scholz, H. Neubauer, I. Khan, M.K. Mansoor, and G. Muhammad. 2022. Seroprevalence and Molecular Evidence of *Coxiella burnetii* in Dromedary Camels of Pakistan. *Front Vet Sci* [Epub ahead of print; doi:10.3389/fvets.2022.908479]
- Jansen van Vuren, P., N.S. Balasubramanian, H. Keck, M. Eschbaumer, and W. Vosloo. 2022. Chemical inactivation of foot-and-mouth disease virus in bovine tongue epithelium for safe transport and downstream processing. *J Virol Methods* **305**:114539.
- Jeske, K., B. Herzig-Straschil, C. Răileanu, D. Kunec, O. Tauchmann, D. Emirhar, S. Schmidt, J. Trimpert, C. Silaghi, G. Heckel, R.G. Ulrich, and S. Drewes. 2022. Zoonotic pathogen screening of striped field mice (*Apodemus agrarius*) from Austria. *Transbound Emerg Dis* **69**:886-890.
- Jeske, K., J. Schulz, D. Tekemen, L. Balčiauskas, L. Balčiauskienė, M. Hiltbrunner, S. Drewes, A. Mayer-Scholl, G. Heckel, and R.G. Ulrich. 2022. Cocirculation of *Leptospira* spp. and multiple orthohantaviruses in rodents, Lithuania, Northern Europe. *Transbound Emerg Dis* [Epub ahead of print; doi:10.1111/tbed.14470]
- Johne, R., K. Schilling-Loeffler, R.G. Ulrich, and S.H. Tausch. 2022. Whole Genome Sequence Analysis of a Prototype Strain of the Novel Putative Rotavirus Species L. *Viruses* **14**:462.
- Kalnins, L., O. Krüger, and E.T. Krause. 2022. Plumage and fat condition scores as well-being assessment indicators in a small passerine bird, the Zebra Finch (*Taeniopygia guttata*). *Front Vet Sci* [Epub ahead of print; doi:10.3389/fvets.2022.791412]
- Kaplonek, P.M., Y. Ling, K. Reppe, F. Voß, T. Kohler, F. Ebner, A. Schäfer, U. Blohm, P. Priegue, M. Bräutigam, C.L. Pereira, S.G. Parameswarappa, P. Ménová, M. Witzenrath, S. Hammerschmidt, S. Hartmann, L.E. Sander, and P.H. Seeberger. 2022. A semisynthetic glycoconjugate provides expanded cross-serotype protection against *Streptococcus pneumoniae*. *Vaccine* **40**:1038-1046.
- Keck, H., B. Hoffmann, and M. Eschbaumer. 2022. Proof of Proficiency of Decentralized Foot-and-Mouth Disease Virus Diagnostics in Germany. *Viruses* **14**:1098.
- Kerkow, A., R. Wieland, J.M. Gethmann, F. Hölker, and H.H.K. Lentz. 2022. Linking a compartment model for West Nile virus with a flight simulator for vector mosquitoes. *Ecol Model* **464**:109840.
- Kiffner, C., F.M.D. Paciência, G. Henrich, R. Kaitila, I.S. Chuma, P. Mbaryo, S. Knauf, J. Kioko, and D. Zinner. 2022. Road-based line distance surveys overestimate densities of olive baboons. *PLoS one* **17**:e0263314.
- King, J., T. Harder, A. Globig, L. Stacker, A. Günther, C. Grund, M. Beer, and A. Pohlmann. 2022. Highly Pathogenic Avian Influenza Virus Incursions of Subtype H5N8, H5N5, H5N1, H5N4 and H5N3 in Germany during 2020-2021. *Virus Evol* **8**:veac035.
- Klein, A., E. Eggerbauer, M. Potratz, L.M. Zaack, S. Calvelage, S. Finke, T. Müller, and C.M. Freuling. 2022. Comparative pathogenesis of different phylogroup I bat lyssaviruses in a standardized mouse model. *PLoS Neglect Trop Dis* **16**:e0009845.
- Knific, T., A. Kirbiš, J.M. Gethmann, J. Prezelj, B. Krt, and M. Ocepek. 2022. Modeling Paratuberculosis Transmission in a Small Dairy Herd Typical of Slovenia Suggests That Different Models Should Be Used to Study Disease Spread in Herds of Different Sizes. *Animals* **12**:1150.
- Knific, T., M. Ocepek, A. Kirbiš, B. Krt, J. Prezelj, and J.M. Gethmann. 2022. Quantitative Risk Assessment of Exposure to *Mycobacterium avium* subsp. *paratuberculosis* (MAP) via Different Types of Milk for the Slovenian Consumer. *Foods* **11**:1472.
- Koethe, S., P. König, K. Wernike, J. Schulz, I. Reimann, and M. Beer. 2022. Bungowannah Pestivirus Chimeras as Novel Double Marker Vaccine Strategy against Bovine Viral Diarrhea Virus. *Vaccines* **10**:88.

Köhler, H., A. Wichert, and K. Donat. 2022. Variation in the Performance of Different Batches of Two *Mycobacterium avium* Subspecies *paratuberculosis* Antibody ELISAs Used for Pooled Milk Samples. *Animals* 12:442.

Kononov, S.U., J. Meyer, J. Frahm, S. Kersten, J. Kluess, S. Bühler, A. Wegerich, J. Rehage, U. Meyer, K. Huber, and S. Dänicke. 2022. Dietary L-carnitine affects leukocyte count and function in dairy cows around parturition. *Front Immunol* 13:784046.

Korthase, C., A. Elnagar, M. Beer, and B. Hoffmann. 2022. Easy Express Extraction (TripleE)—A Universal, Electricity-Free Nucleic Acid Extraction System for the Lab and the Pen. *Microorganisms* 10:1074.

Krieger, M., S. Eisenberg, H. Köhler, F. Freise, and A. Campe. 2022. Within-herd prevalence threshold for the detection of *Mycobacterium avium* ssp. *paratuberculosis* antibody-positive dairy herds using pooled milk samples: A field study. *J Dairy Sci* 105:585-594.

Kroniger, T., D. Flender, R. Schlüter, B. Köllner, A. Trautwein-Schult, and D. Becher. 2022. Proteome analysis of the Gram-positive fish pathogen *Renibacterium salmoninarum* reveals putative role of membrane vesicles in virulence. *Sci Rep* 12:3003.

Kues, W.A., D. Kumar, N.L. Selokar, and T.R. Talluri. 2022. Applications of genome editing tools in stem cells towards regenerative medicine: An update. *Curr Stem Cell Res Ther* 17:267-279.

Lamberg, K., K. Depner, L. Zani, E. Oļševskis, M. Seržants, A. Santa, Ž. Šteingolde, A. Bērziņš, A. Viltrop, S. Blome, and A. Globig. 2022. A practical guide for strategic and efficient sampling in African swine fever affected pig farms. *Transbound Emerg Dis* [Epub ahead of print; doi:10.1111/tbed.14582]

Li, B., S. Zheng, Y. Wang, Q. Wang, Y. Li, J. Yin, Y. Ren, C. Shi, Z. Zhao, Z. Jiang, S.M. Bergmann, and W. Zeng. 2022. Susceptibilities of ten fish cell lines to infection with Tilapia lake virus. *Microb Pathog* 166:105510.

Lv, Y., Y. Wang, Q. Wang, Y. Li, J. Yin, G. Yang, C. Shi, B. Li, Y. Wang, S.M. Bergmann, and W. Zeng. 2022. Development and characterization of a new cell line from brain tissues of the rare minnow (*Gobiocypris rarus*). *Aquacult Res* 53:1727-1738.

Madouasse, A., M. Mercat, A. van Roon, D. Graham, M. Guelbenzu, I. Santman Berends, G. van Schaik, M. Nielsen, J. Frössling, E. Ågren, R. Humphry, J. Eze, G. Gunn, M.K. Henry, J. Gethmann, S.J. More, N. Toft, and C. Fourichon. 2022. A modelling framework for the prediction of the herd-level probability of infection from longitudinal data. *Peer Comm J* 2:e4.

Malakauskas, A., K. Schulz, I. Kukanauskaitė, M. Masiulis, F.J. Conraths, and C. Sauter-Louis. 2022. African Swine Fever Outbreaks in Lithuanian Domestic Pigs in 2019. *Animals* 12:115.

McKenzie, D.R., R. Hart, N. Bah, D.S. Ushakov, M. Muñoz-Ruiz, R. Feederle, and A.C. Hayday. 2022. Normality sensing licenses local T cells for innate-like tissue surveillance. *Nat Immunol* 23:411-422.

Meissner, K., C. Sauter-Louis, S.E. Heiden, K. Schaufler, H. Tomaso, F.J. Conraths, and T. Homeier-Bachmann. 2022. Extended-Spectrum  $\beta$ -Lactamase-Producing *Escherichia coli* in Conventional and Organic Pig Fattening Farms. *Microorganisms* 10:603.

Michaely, L.M., M. Rissmann, M. Keller, R. König, F. von Arnim, M. Eiden, K. Rohn, W. Baumgärtner, M. Groschup, and R. Ulrich. 2022. NSG-Mice Reveal the Importance of a Functional Innate and Adaptive Immune Response to Overcome RVFV Infection. *Viruses* 14:350.

Michalik, S., F. Siegerist, R. Palankar, K. Franzke, M. Schindler, A. Reder, U. Seifert, C. Cammann, J. Wesche, L. Steil, C. Hentschker, M. Gesell-Salazar, E. Reisinger, M. Beer, N. Endlich, A. Greinacher, and U. Völker. 2022. Comparative analysis of ChAdOx1 nCoV-19 and Ad26.COV2.S SARS-CoV-2 vector vaccines. *Haematologica* 107:947-957.



Michel, V., J. Berk, N. Bozakova, J. van der Eijk, I. Estevez, T. Mircheva, R. Relic, T.B. Rodenburg, E.N. Sossidou, and M. Guinebretière. 2022. The Relationships between Damaging Behaviours and Health in Laying Hens. *Animals* 12:986.

Mindus, C., N. van Staaveren, D. Fuchs, J.M. Gostner, J.B. Kjaer, W.A. Kunze, F.M. Mian, A.K. Shoveller, P. Forsythe, and A. Harlander-Matauschek. 2022. Regulatory T Cell Modulation by *Lactobacillus rhamnosus* Improves Feather Damage in Chickens. *Front Vet Sci* 9:855261.

Mittler, E., A.Z. Wec, J. Tynell, P. Guardado-Calvo, J. Wigren-Byström, L.C. Polanco, C.M. O'Brien, M.M. Slough, D.M. Abelson, A. Serris, M. Sakharkar, G. Pehau-Arnaudet, R.R. Bakken, J.C. Geoghegan, R.K. Jangra, M. Keller, L. Zeitlin, O. Vapalahti, R.G. Ulrich, Z.A. Bornholdt, C. Ahlm, F.A. Rey, J.M. Dye, S.B. Bradfute, T. Strandin, A.S. Herbert, M.N.E. Forsell, L.M. Walker, and K. Chandran. 2022. Human antibody recognizing a quaternary epitope in the Puumala virus glycoprotein provides broad protection against orthohantaviruses. *Sci Transl Med* 14:eabl5399.

Mohanta, S.K., L. Peng, Y. Li, S. Lu, T. Sun, L. Carnevale, M. Perrotta, Z. Ma, B. Förstera, K. Stanic, C. Zhang, X. Zhang, P. Szczepaniak, M. Bianchini, B.R. Saeed, R. Carnevale, D. Hu, R. Nosalski, F. Pallante, M. Beer, D. Santovito, A. Ertürk, T.C. Mettenleiter, B.G. Klupp, R.T.A. Megens, S. Steffens, J. Pelisek, H.-H. Eckstein, R. Kleemann, L. Habenicht, Z. Mallat, J.-B. Michel, J. Bernhagen, M. Dichgans, G. D'Agostino, T.J. Guzik, P.S. Olofsson, C. Yin, C. Weber, G. Lembo, D. Carnevale, and A.J.R. Habenicht. 2022. Neuroimmune cardiovascular interfaces control atherosclerosis. *Nature* 605:152-159.

Monaghan, S.J., D. Chee, A. Adams, S.M. Bergmann, S.M. Chong, J. Chen, and K.D. Thompson. 2022. Serological analysis of historical field samples reveals major inconsistency between PCR and antibody ELISA for establishing KHV infection status of groups and individual koi. *Aquaculture* 546:737336.

Monecke, S., F. Schaumburg, A.O. Shittu, S.P. Schwarz, K. Mühldorfer, C. Brandt, S. Braun, M. Collatz, C. Diezel, D. Gawlik, D. Hanke, H. Hotzel, E. Müller, M. Reinicke, A.T. Feßler, and R. Ehricht. 2022. Description of staphylococcal strains from Straw-coloured fruit bat (*Eidolon helvum*) and Diamond firetail (*Stagonopleura guttata*) and a review of their phylogenetic relationships to other staphylococci. *Front Cell Infect Microbiol* 12:878137.

Montero, R., J.T.H. Chan, B. Köllner, R. Kuchta, J. Vysloužil, P. Podhorec, A.S. Holzer, and T. Korytář. 2022. The Acute Immune Responses of the Common Carp *Cyprinus carpio* to PLGA Microparticles—The Interactions of a Teleost Fish with a Foreign Material. *Biomolecules* 12:326.

Montero, R., J.T.H. Chan, C. Müller, P.N. Just, S. Ostermann, M. Øverland, K. Maisey, T. Korytář, and B. Köllner. 2022. Variations in Rainbow Trout Immune Responses against *A. salmonicida*: Evidence of an Internal Seasonal Clock in *Oncorhynchus mykiss*. *Biology* 11:174.

Moore, T., J.M. Williams, M.A. Becerra-Rodriguez, M. Dunne, R. Kammerer, and G. Dveksler. 2022. Pregnancy-specific glycoproteins: evolution, expression, functions, and disease associations. *Reproduction* 163:R11-R23.

Morozov, A., A. Tischenkov, C. Silaghi, A. Proka, I. Toderas, A. Movila, H. Frickmann, and S. Poppert. 2022. Prevalence of Bacterial and Protozoan Pathogens in Ticks Collected from Birds in the Republic of Moldova. *Microorganisms* 10:1111.

Muñoz-Fontela, C., L. Widerspick, R.A. Albrecht, M. Beer, M.W. Carroll, E. de Wit, M.S. Diamond, W.E. Dowling, S.G.P. Funnell, A. García-Sastre, N.M. Gerhards, R. de Jong, V.J. Munster, J. Neyts, S. Perlman, D.S. Reed, J.A. Richt, X. Riveros-Balta, C.J. Roy, F.J. Salguero, M. Schotsaert, L.M. Schwartz, R.A. Seder, J. Segalés, S.S. Vasan, A.M. Henao-Restrepo, and D.H. Barouch. 2022. Advances and gaps in SARS-CoV-2 infection models. *PLoS Pathog* 18:e1010161.

Naguib, M.M., D. Höper, M.F. Elkady, M.A. Afifi, A. Erfan, H.H. Abozeid, W.M. Hasan, A.-S. Arafa, M. Shahein, M. Beer, T.C. Harder, and C. Grund. 2022. Comparison of genomic and antigenic

properties of Newcastle Disease virus genotypes II, XXI and VII from Egypt do not point to antigenic drift as selection marker. *Transbound Emerg Dis* **69**:849-863.

**Nawroth, C., and E.T. Krause.** 2022. The academic, societal and animal welfare benefits of Open Science for animal science. *Front Vet Sci* **9**:810989.

**Neuhaus, H., R. Pund, M. Runge, D.W. Kleingeld, E. Nardy, and U. Fischer.** 2022. First report of White Spot Syndrome Virus (WSSV) DNA in red swamp crayfish (*Procambarus clarkii*) in Germany. *Bull Eur Assoc Fish Pathol* **41**:244-254.

**Neumann, B., K. Angstwurm, R.A. Linker, G. Knoll, L. Eidenschink, D. Rubbenstroth, K. Schlottau, M. Beer, P. Schreiner, E. Soutschek, M.M. Böhmer, B.M.J. Lampl, M. Pregler, A. Scheiter, K. Evert, S. Zoubaa, M.J. Riemenschneider, B. Asbach, A. Gessner, H.H. Niller, B. Schmidt, and M. Bauswein.** 2022. Antibodies against viral nucleo-, phospho-, and X protein contribute to serological diagnosis of fatal Borna disease virus 1 infections. *Cell Rep Med* **3**:100499.

**Olesen, A.S., T.B. Rasmussen, S.S. Nielsen, G.J. Belsham, A. Boklund, T. Ploegaert, B. Moonen-Leusen, S. Blome, and A. Bøtner.** 2022. A Multi-Laboratory Comparison of Methods for Detection and Quantification of African Swine Fever Virus. *Pathogens* **11**:325.

**Paciência, F.M.D., I.S. Chuma, I.F. Lipende, S. Knauf, and D. Zinner.** 2022. Female post-copulatory behavior in a group of olive baboons (*Papio anubis*) infected by *Treponema pallidum*. *PLoS one* **17**:e0261894.

**Paslaru, A.I., L.M. Maurer, A. Vögtlin, B. Hoffmann, P.R. Torgerson, A. Mathis, and E. Veronesi.** 2022. Putative roles of mosquitoes (Culicidae) and biting midges (*Culicoides* spp.) as mechanical or biological vectors of lumpy skin disease virus. *Med Vet Entomol* [Epub ahead of print; doi:10.1111/mve.12576]

**Patt, A., I. Halle, A. Dudde, A. Olbrich, J. Sieburg-Rockel, and E.T. Krause.** 2022. Influence of different dietary fibre contents in the diet on feather pecking, locomotor activity and performance of laying hens. *Br Poult Sci* [Epub ahead of print; doi:10.1080/00071668.2022.2076212]

**Pavulraj, S., K. Pannhorst, R.W. Stout, D.B. Paulsen, M. Carossino, D. Meyer, P. Becher, and S.I. Chowdhury.** 2022. A Triple Gene-Deleted Pseudorabies Virus-Vectored Subunit PCV2b and CSFV Vaccine Protects Pigs against PCV2b Challenge and Induces Serum Neutralizing Antibody Response against CSFV. *Vaccines* **10**:305.

**Paxton, R.J., M.O. Schäfer, F. Nazzi, V. Zanni, D. Annoscia, F. Marroni, D. Bigot, E.R. Laws-Quinn, D. Panziera, C. Jenkins, and H. Shafiey.** 2022. Epidemiology of a major honey bee pathogen, deformed wing virus: Potential worldwide replacement of genotype A by genotype B. *Int J Parasitol-Parasit Wildl* **18**:157-171.

**Penrith, M.-L., K. Depner, F. Jori, M. Dione, R.G. Alders, and E. Chenais.** 2022. Editorial: African Swine Fever in Smallholder and Traditional Pig Farming Systems: Research, Challenges and Solutions. *Front Vet Sci* **9**:878928.

**Pernat, N., J. Zscheischler, H. Kampen, E.-F. Ostermann-Miyashita, J.M. Jeschke, and D. Werner.** 2022. How media presence triggers participation in citizen science - The case of the mosquito monitoring project 'Mückenatlas'. *PLoS one* **17**:e0162850.

**Peters, M., J. King, P. Wohlsein, C. Grund, and T. Harder.** 2022. Genuine lethal infection of a wood pigeon (*Columba palumbus*) with high pathogenicity avian influenza H5N1, clade 2.3.4.4b, in Germany, 2022. *Vet Microbiol* **270**:109461.

**Peters, M., P. Wohlsein, C. Osmann, I. Moser, and S.A. Barth.** 2022. Disseminated atypical Mycobacteriosis caused by *Mycobacterium xenopi* in a White-Faced Saki (*Pithecia pithecia*). *Berl Münch Tierärztl Wschr* **135**, doi:10.2376/1439-0299-2021-24.

**Pfaff, F., A. Breithaupt, D. Rubbenstroth, S. Nippert, C. Baumbach, S. Gerst, C. Langner, C. Wylezich, A. Ebinger, D. Höper, R.G. Ulrich, and M. Beer.** 2022. Revisiting Rustrela Virus: New Cases of Encephalitis and a Solution to the Capsid Enigma. *Microbiol Spectr* **10**:e0010322.

**Pikalo, J., T. Carrau, P. Deutschmann, M. Fischer, K. Schlottau, M. Beer, and S. Blome.** 2022. Performance Characteristics of Real-Time PCRs for African Swine Fever Virus Genome Detection—Comparison of Twelve Kits to an OIE-Recommended Method. *Viruses* **14**:220.

**Pikalo, J., L. Porfiri, H. Roszyk, K. Pannhorst, R.T. Kangethe, V. Wijewardana, J. Sehl-Ewert, M. Beer, G. Cattoli, and S. Blome.** 2022. Vaccination with a gamma irradiation-inactivated African swine fever virus is safe but does not protect against a challenge. *Front Immunol* **13**:832264.

**Pinho dos Reis, V., M. Keller, K. Schmidt, R.G. Ulrich, and M.H. Groschup.** 2022.  $\alpha$ V $\beta$ 3 Integrin Expression Is Essential for Replication of Mosquito and Tick-Borne Flaviviruses in Murine Fibroblast Cells. *Viruses* **14**:18.

**Pires, R.H., T.H. Dau, E. Manu, N. Shree, and O. Otto.** 2022. Switching in the expression pattern of actin isoforms marks the onset of contractility and distinct mechanodynamic behavior during cardiomyocyte differentiation. *Physiol Rep* **10**:e15171.

**Pogány, Á., E.T. Krause, O. Roth, and V. Bókonyi.** 2022. Editorial: The Development and Fitness Consequences of Sex Roles. *Front Ecol Evol* **10**:912520.

**Postel, A., J. King, F.K. Kaiser, J. Kennedy, M.S. Lombardo, W. Reineking, M. de le Roi, T. Harder, A. Pohlmann, T. Gerlach, G. Rimmelzwaan, S. Rohner, L.C. Striewe, S. Gross, L.A. Schick, J.C. Klink, K. Kramer, A.D.M.E. Osterhaus, M. Beer, W. Baumgärtner, U. Siebert, and P. Becher.** 2022. Infections with highly pathogenic avian influenza A virus (HPAIV) H5N8 in harbor seals at the German North Sea coast, 2021. *Emerg Microbes Infect* **11**:725-729.

**Princk, C., S. Drewes, K.M. Meyer-Schlinkmann, M. Saathoff, F. Binder, J. Freise, B. Tenner, S. Weiss, J. Hofmann, J. Esser, M. Runge, J. Jacob, R.G. Ulrich, and J. Dreesman.** 2022. Cluster of human *Puumala orthohantavirus* infections due to indoor exposure?—An interdisciplinary outbreak investigation. *Zoonoses Publ Health* [Epub ahead of print; doi:10.1111/zph.12940]

**Qudratullah, G. Muhammad, T. Jamil, I. Rashid, Q. Ullah, and M. Saqib.** 2022. Efficacy Evaluation of a Combined Hemorrhagic Septicemia-Mastitis Vaccine in Dairy Cows and Buffaloes. *Animals* **12**:706.

**Răileanu, C., O. Tauchmann, and C. Silaghi.** 2022. Sympatric occurrence of *Ixodes ricinus* with *Dermacentor reticulatus* and *Haemaphysalis concinna* and the associated tick-borne pathogens near the German Baltic coast. *Parasite Vector* **15**:65.

**Rhazi, H., K. Mikou, Y. Sadeqy, M. Alhayane, S. El Mejdoub, N. Safini, M. Lenk, K.O. Tadlaoui, and M. Elharrak.** 2022. Evaluation of ELISA and VNT for sheeppox virus antibody detection and development of an immunoenzymatic quantitative method. *J Immunol Methods* **502**:113226.

**Ries, C., M. Beer, and B. Hoffmann.** 2022. Bluetongue Virus Infection of Goats: Re-Emerged European Serotype 8 vs. Two Atypical Serotypes. *Viruses* **14**:1034.

**Roman-Sosa, G., A. Leske, X. Ficht, T.H. Dau, J. Holzerland, T. Hoenen, M. Beer, R. Kammerer, R. Schirmbeck, F.A. Rey, S.M. Cordo, and A. Groseth.** 2022. Immunization with GP1 but Not Core-like Particles Displaying Isolated Receptor-Binding Epitopes Elicits Virus-Neutralizing Antibodies against Junin Virus. *Vaccines* **10**:173.

**van Roon, A.M., A. Madouasse, N. Toft, I.M.G.A. Santman-Berends, J. Gethmann, J. Eze, R.W. Humphry, D. Graham, M. Guelbenzu-Gonzalo, M. Nielsen, S.J. More, M. Mercat, C. Fourichon, C. Sauter-Louis, J. Frössling, E. Ågren, G.J. Gunn, M.K. Henry, and G. van Schaik.** 2022. Output-based Assessment of Herd-level Freedom from Infection in Endemic Situations: Application of a Bayesian Hidden Markov Model. *Prev Vet Med* **204**:105662.

- Roszyk, H., K. Franzke, A. Breithaupt, P. Deutschmann, J. Pikalo, T. Carrau, S. Blome, and J. Sehl-Ewert. 2022. The Role of Male Reproductive Organs in the Transmission of African Swine Fever—Implications for Transmission. *Viruses* 14:31.
- Ruckli, A.K., S.J. Hörtenhuber, P. Ferrari, J. Guy, J. Helmerichs, R. Hoste, C. Hubbard, N. Kasperczyk, C. Leeb, A. Malak-Rawlikowska, A. Valros, and S. Dippel. 2022. Integrative Sustainability Analysis of European Pig Farms: Development of a Multi-Criteria Assessment Tool. *Sustainability* 14:5988.
- Rückner, A., L. Plagge, K. Heenemann, M. Harzer, B. Thaa, J. Winkler, S. Dänicke, J. Kauffold, and T.W. Vahlenkamp. 2022. The mycotoxin deoxynivalenol (DON) can deteriorate vaccination efficacy against porcine reproductive and respiratory syndrome virus (PRRSV) at subtoxic levels. *Porcine Health Manag* 8:13.
- Sandøe, P., H.O. Hansen, B. Forkman, P. van Horne, I.C. de Jong, J.B. Kjær, S.S. Nielsen, C. Palmer, H.L.H. Rhode, and T. Christensen. 2022. Market driven initiatives can improve broiler welfare - A comparison across five European countries based on the Benchmark method. *Poultry Sci* 101:101806.
- Santos, P.D., F. Michel, C. Wylezich, D. Höper, M. Keller, C.M. Holicki, C.A. Szentiks, M. Eiden, A. Muluneh, A. Neubauer-Juric, S. Thalheim, A. Globig, M. Beer, M.H. Groschup, and U. Ziegler. 2022. Co-Infections: Simultaneous Detections of West Nile Virus and Usutu Virus in Birds from Germany. *Transbound Emerg Dis* 69:776-792.
- Sarais, F., R. Montero, S. Ostermann, A. Rebl, B. Köllner, and T. Goldammer. 2022. The Early Immune Response of Lymphoid and Myeloid Head-Kidney Cells of Rainbow Trout (*Oncorhynchus mykiss*) Stimulated with *Aeromonas salmonicida*. *Fishes* 7:12.
- Sazykina, M.A., T.M. Minkina, E.Yu. Konstantinova, L.E. Khmelevtsova, T.N. Azhogina, E.M. Antonenko, Sh.K. Karchava, M.V. Klimova, S.N. Shushkova, E.A. Polienko, O.A. Birukova, S.S. Mandzhieva, E.M. Kuddevskaya, M.I. Khammami, A.V. Rakin, and I.S. Sazykin. 2022. Pollution impact on microbial communities composition in natural and anthropogenically modified soils of Southern Russia. *Microbiol Res* 254:126913.
- Schäfer, A., G. Franzoni, C.L. Netherton, L. Hartmann, S. Blome, and U. Blohm. 2022. Adaptive Cellular Immunity against African Swine Fever Virus Infections. *Pathogens* 11:274.
- Schäfer, M., F. Pfaff, D. Höper, and C. Silaghi. 2022. Early Transcriptional Changes in the Midgut of *Ornithodoros moubata* after Feeding and Infection with *Borrelia duttonii*. *Microorganisms* 10:525.
- Schäfer, M.O., J. Horenk, and C. Wylezich. 2022. Molecular Detection of *Malpighamoeba mellificae* in Honey Bees. *Vet Sci* 9:148.
- Schilde, M., D. von Soosten, J. Frahm, S. Kersten, U. Meyer, A. Zeyner, and S. Dänicke. 2022. Assessment of Metabolic Adaptations in Periparturient Dairy Cows Provided 3-Nitrooxypropanol and Varying Concentrate Proportions by Using the GreenFeed System for Indirect Calorimetry, Biochemical Blood Parameters and Ultrasonography of Adipose Tissues. *Dairy* 3:100-122.
- Schütz, A.K., E.T. Krause, M. Fischer, T. Müller, C.M. Freuling, F.J. Conraths, T. Homeier-Bachmann, and H.H.K. Lentz. 2022. Computer Vision for Detection of Body Posture and Behavior of Red Foxes. *Animals* 12:233.
- Schwarzkopf, S., A. Kinoshita, L. Hüther, L. Salm, S. Kehraus, K.-H. Südekum, K. Huber, S. Dänicke, and J. Frahm. 2022. Weaning age influences indicators of rumen function and development in female Holstein calves. *BMC Vet Res* 18:102.
- Sehl-Ewert, J., T. Schwaiger, A. Schäfer, J.E. Hölper, B.G. Klupp, J.P. Teifke, U. Blohm, and T.C. Mettenleiter. 2022. Clinical, neuropathological, and immunological short- and long-term feature of a mouse model mimicking human herpes virus encephalitis. *Brain Pathol* 32:e13031.

- Stadler, J., S. Junker, J. Gründl, S. Fröhlich, M. Beisl, S. Zöls, M. Ritzmann, M. Eddicks, A. Palzer, J. Sehl, D. Höper, C. Unterweger, A. Ladinig, and C. Mayer. 2022. Hinterhandlähmungen bei Mastschweinen im Zusammenhang mit einem neuen Stamm des porzinen Teschovirus A11. *Tierärztl Prax* 50:59-67.
- Stegmann, K.M., A. Dickmanns, N. Heinen, C. Blaurock, T. Karrasch, A. Breithaupt, R. Klopffleisch, N. Uhlig, V. Eberlein, L. Issmail, S.T. Herrmann, A. Schrieck, E. Peelen, H. Kohlhof, B. Sadeghi, A. Riek, J.R. Speakman, U. Groß, D. Görlich, D. Vitt, T. Müller, T. Grunwald, S. Pfaender, A. Balkema-Buschmann, and M. Dobbelstein. 2022. Inhibitors of dihydroorotate dehydrogenase cooperate with Molnupiravir and N4-hydroxycytidine to suppress SARS-CoV-2 replication. *iScience* 25:104293.
- Stoek, F., Y. Barry, A. Ba, A. Schulz, M. Rissmann, C. Wylezich, B. Sadeghi, A.D. Beyit, A. Eisenbarth, F.B. N'diaye, M.L. Haki, B.A. Doumbia, M.B. Gueya, M.Y. Bah, M. Eiden, and M.H. Groschup. 2022. Mosquito survey in Mauritania: Detection of Rift Valley fever virus and dengue virus and the determination of feeding patterns. *PLoS Negl Trop Dis* 16:e0010203.
- Tanneberger, F., A. Abd El Wahed, M. Fischer, P. Deutschmann, H. Roszyk, T. Carrau, S. Blome, and U. Truyen. 2022. Efficacy of Liming Forest Soil in the Context of African Swine Fever Virus. *Viruses* 14:734.
- Troupin, C., I. Ellis, B. Doukouré, A. Camara, M. Keita, M. Kagbadouno, J.-M. Bart, R. Diallo, S. Lacôte, P. Marianneau, M.H. Groschup, and N. Tordo. 2022. Seroprevalence of brucellosis, Q fever and Rift Valley fever in domestic ruminants in Guinea in 2017-2019. *BMC Vet Res* 18:64.
- Ul Abadeen, Z., M.T. Javed, T. Jamil, and A.A. Nasir. 2022. Ameliorative Effects of Anti-Clostridial Egg Yolk Antibodies (IgYs) in Experimentally-Induced Avian Necrotic Enteritis. *Animals* 12:1307.
- Ulrich, L., N.J. Halwe, A. Taddeo, N. Ebert, J. Schön, C. Devisme, B.S. Trüeb, B. Hoffmann, M. Wider, X. Fan, M. Bekliz, M. Essaidi-Laziosi, M.L. Schmidt, D. Niemeyer, V.M. Corman, A. Kraft, A. Godel, L. Laloli, J.N. Kelly, B.M. Calderon, A. Breithaupt, C. Wylezich, I. Berenguer Veiga, M. Gultom, S. Osman, B. Zhou, K. Adea, B. Meyer, C.S. Eberhardt, L. Thomann, M. Gsell, F. Labroussaa, J. Jores, A. Summerfield, C. Drosten, I.A. Eckerle, D.E. Wentworth, R. Dijkman, D. Hoffmann, V. Thiel, M. Beer, and C. Benarafa. 2022. Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta. *Nature* 602:7896.
- Unger, N., S. Eiserloh, F. Nowak, S. Zuchantke, E. Liebler-Tenorio, K. Sobotta, C. Schnee, C. Berens, and U. Neugebauer. 2022. Looking Inside Non-Destructively: Label-Free, Raman-Based Visualization of Intracellular *Coxiella burnetii*. *Anal Chem* 94:4988-4996.
- Vasić, A., C. Răileanu, C. Körsten, D. Vojinović, M. Manić, A. Urošević, N. Nikolić, O. Dulović, B.A. Tews, T. Petrović, C. Silaghi, M. Valčić, and A. Gligić. 2022. West Nile Virus in the Republic of Serbia - Diagnostic Performance of Five Serological Tests in Dog and Horse Sera. *Transbound Emerg Dis* [Epub ahead of print; doi:10.1111/tbed.14593]
- Wang, W., Y. Ning, Y. Wang, S. Pace, S.A. Barth, C. Menge, K. Zhang, Y. Dai, Y. Cai, X. Chen, and O. Werz. 2022. *Mycobacterium tuberculosis*-Induced Upregulation of the COX-2/mPGES-1 Pathway in Human Macrophages Is Abrogated by Sulfasalazine. *Front Immunol* 13:849583.
- Wang, X., and B. Petersen. 2022. More abundant and healthier meat: will the MSTN editing epitome empower the commercialization of gene editing in livestock? *Sci China-Life Sci* 12:442.
- Wareth, G., M. Dadar, H. Ali, M.E.R. Hamdy, A.M. Al-Talhy, A.R. Elkharsawi, A.A. Abd El Tawab, and H. Neubauer. 2022. The perspective of antibiotic therapeutic challenges of brucellosis in the Middle East and North African (MENA) countries: Current situation and therapeutic management. *Transbound Emerg Dis* [Epub ahead of print; doi:10.1111/tbed.14502]

- Wareth, G., J. Linde, P. Hammer, M.W. Pletz, H. Neubauer, and L.D. Sprague. 2022. WGS-Based Phenotyping and Molecular Characterization of the Resistome, Virulome and Plasmid Replicons in *Klebsiella pneumoniae* Isolates from Powdered Milk Produced in Germany. *Microorganisms* **10**:564.
- Wedlich, N., J. Figl, E.M. Liebler-Tenorio, H.U. Köhler, K. von Pückler, M. Rissmann, S. Petow, S.A. Barth, P. Reinhold, R. Ulrich, L. Grode, S.H. Kaufmann, and C. Menge. 2022. Video Endoscopy-Guided Intrabronchial Spray Inoculation of *Mycobacterium bovis* in Goats and Comparative Assessment of Lung Lesions With Various Imaging Methods. *Front Vet Sci* **9**:877322.
- Weissenböck, H., A. Ebinger, A.M. Gager, D. Thaller, D. Höper, K. Lichtmannsperger, C. Weissenbacher-Lang, J. Matt, and M. Beer. 2022. A novel enterovirus in lambs with poliomyelitis and brain stem encephalitis. *Transbound Emerg Dis* **69**:227-234.
- Wernike, K. 2022. Bovine Viral Diarrhea/Mucosal Disease—A Commentary of the Guest Editor. *Vaccines* **10**:590.
- Wernike, K. and M. Beer. 2022. International proficiency trial for bovine viral diarrhoea virus (BVDV) antibody detection: limitations of milk serology. *BMC Vet Res* **18**:168.
- Wernike, K., L. Fischer, M. Holsteg, A. Aebischer, A. Petrov, K. Marquart, U. Schotte, J. Schön, D. Hoffmann, S. Hechinger, A. Neubauer-Juric, J. Blicke, T.C. Mettenleiter, and M. Beer. 2022. Serological screening in wild ruminants in Germany, 2021/22: No evidence of SARS-CoV-2, bluetongue virus or pestivirus spread but high seroprevalences against Schmallenberg virus. *Transbound Emerg Dis* [Epub ahead of print; doi: 10.1111/tbed.14600]
- Widerspick, L., C.A. Vázquez, L. Niemetz, M. Heung, C. Olal, A. Bencsik, C. Henkel, A. Pfister, J.E. Brunetti, I. Kucinskaite-Kodze, P. Lawrence, C. Muñoz Fontela, S. Diederich, and B. Escudero-Pérez. 2022. Inactivation Methods for Experimental Nipah Virus Infection. *Viruses* **14**:1052.
- Wittwer, M., P. Hammer, M. Runge, P. Valentin-Weigand, H. Neubauer, K. Henning, and K. Mertens-Scholz. 2022. Inactivation Kinetics of *Coxiella burnetii* During High-Temperature Short-Time Pasteurization of Milk. *Front Microbiol* **12**:753871.
- Wolff, J., E. Tuppurainen, A. Adedeji, C. Meseke, O. Asala, J. Adole, R. Atai, B. Dogonyaro, A. Globig, D. Hoffmann, M. Beer, and B. Hoffmann. 2022. Characterization of a Nigerian Lumpy Skin Disease Virus Isolate after Experimental Infection of Cattle. *Pathogens* **11**:16.
- Yessinou, R.E., K. Mertens-Scholz, H. Neubauer, and S. Farougou. 2022. Prevalence of Coxiella-infections in ticks - review and meta-analysis. *Ticks Tick-borne Dis* **13**:101926.
- Yin, J., N. Wang, J. Li, D. Zhang, C. Shi, Y. Li, S.M. Bergmann, X. Mo, and Q. Wang. 2022. Mucosal immunoprotective effects of a recombinant *Lactococcus lactis* strain expressing grass carp reovirus VP6 against grass carp reovirus infection. *Front Immunol* [Epub ahead of print; doi:10.3389/fimmu.2022.914010]
- Zeng, W., H. Dong, X. Chen, S.M. Bergmann, Y. Yang, X. Wei, G. Tong, H. Li, H. Yu, and Y. Chen. 2022. Establishment and characterization of a permanent heart cell line from largemouth bass *Micropterus salmoides* and its application to fish virology and immunology. *Aquaculture* **547**:737427.
- Zhou, S., P. Kalds, Q. Luo, K. Sun, X. Zhao, Y. Gao, B. Cai, S. Huang, Q. Kou, B. Petersen, Y. Chen, B. Ma, and X. Wang. 2022. Optimized Cas9:sgRNA delivery efficiently generates biallelic MSTN knockout sheep without affecting meat quality. *BMC Genomics* **23**:348.
- Ziegler, U., F. Bergmann, D. Fischer, K. Müller, C.M. Holicki, B. Sadeghi, M. Sieg, M. Keller, R. Schwehn, M. Reuschel, L. Fischer, O. Krone, M. Rinder, K. Schütte, V. Schmidt, M. Eiden, C. Fast, A. Günther, A. Globig, F.J. Conraths, C. Staubach, F. Brandes, M. Lierz, R. Korbel, T.W. Vahlenkamp, and M.H. Groschup. 2022. Spread of West Nile Virus and Usutu Virus in the German Bird Population, 2019-2020. *Microorganisms* **10**:807.

Zoran, T., B. Seelbinder, P.L. White, J.S. Price, S. Kraus, O. Kurzai, J. Linde, A. Häder, C. Loeffler, G.U. Grigoleit, H. Einsele, G. Panagiotou, J. Loeffler, and S. Schäuble. 2022. Molecular Profiling Reveals Characteristic and Decisive Signatures in Patients after Allogeneic Stem Cell Transplantation Suffering from Invasive Pulmonary Aspergillosis. *J Fungi* 8:171.

## Veröffentlichungen in nicht referierten Zeitschriften/Conference Proceedings

Akanbi, O.B., J.P. Teifke, A.J. Adedeji, K. Franzke, C.A. Meseko, O.B. Daodu, and H.O. Jegede. 2022. Comparative Pathologic, Immunohistochemical, Ultrastructural and Molecular study of Bovine Papilloma Virus type 1 E5 Oncogene infection in Exotic and Indigenous cattle breeds. *Media Kedokteran Hewan* 33(2):72-86.

Barut, T., N.J. Halwe, A. Taddeo, J.N. Kelly, J. Schön, N. Ebert, L. Ulrich, C. Devisme, S. Steiner, B.S. Trüeb, B. Hoffmann, I. Berenguer Veiga, N.G.F. Leborgne, E.A. Moreira, A. Breithaupt, C. Wylezich, D. Höper, K. Wernike, A. Godel, L. Thomann, V. Flück, H. Stalder, M. Brügger, B.I. Oliveira Esteves, B. Zumkehr, G. Beilleau, A. Kratzel, K. Schmied, S. Ochsenbein, R.M. Lang, M. Wider, C. Machahua, P. Dorn, T.M. Marti, M. Funke-Chambour, A. Rauch, M. Widera, S. Ciesek, R. Dijkman, D. Hoffmann, M.P. Alves, C. Benarafa, M. Beer, and V. Thiel. 2022. The spike gene is a major determinant for the SARS-CoV-2 Omicron-BA.1 phenotype (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2022.04.28.489537]

Beer, J., S. Crotta, A. Breithaupt, A. Ohnemus, J. Becker, B. Sachs, L. Kern, M. Llorian, N. Ebert, F. Labroussaa, T.T.N. Thao, B.S. Trüeb, J. Jores, V. Thiel, M. Beer, J. Fuchs, G. Kochs, A. Wack, M. Schwemmle, and D. Schnepf. 2022. Impaired immune response drives age-dependent severity of COVID-19 (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2022.04.21.489072]

Blaurock, C., A. Breithaupt, S. Weber, C. Wylezich, M. Keller, B.-P. Mohl, D. Görlich, M.H. Groschup, B. Sadeghi, D. Höper, T.C. Mettenleiter, and A. Balkema-Buschmann. 2022. Compellingly high SARS-CoV-2 susceptibility of Golden Syrian hamsters suggests multiple zoonotic infections of pet hamsters during the COVID-19 pandemic (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2022.04.19.488826]

Bornstein, S., G. Bräuer, U. Fischer, V. Jung-Schroers, D. Steinhagen, U. Truyen, and M. Bastian. 2022. Impfung von Fischen. *Dt Tierärztebl* 70:612-616.

Caliendo, V., N.S. Lewis, A. Pohlmann, J. Waldenström, M. van Toor, T. Lameris, H.P. van der Jeugd, A.S. Lang, G. Robertson, M. Beer, R.A.M. Fouchier, A.C. Banyard, I.H. Brown, Y. Berhana, S. Laurendeau, T. Kuiken, R. Hansen, C. Yason, T. Alkie, O. Lung, S. Baillie, and K. Thorup. 2022. Transatlantic spread of highly pathogenic avian influenza H5N1 by wild birds from Europe to North America in 2021 (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2022.01.13.476155]

Corleis, B., D. Hoffmann, S. Rauch, C. Fricke, N. Roth, J. Gergen, K. Kovacikova, K. Schlottau, N.J. Halwe, L. Ulrich, J. Schön, K. Wernike, M. Widera, S. Ciesek, S.O. Müller, T.C. Mettenleiter, B. Petsch, M. Beer, and A. Dorhoi. 2022. Low-dose bivalent mRNA vaccine is highly effective against different SARS-CoV-2 variants in a transgenic mouse model (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2022.04.20.485440]

Franco-Martínez, L., M. Beer, S. Martínez-Subiela, E. García Manzanilla, S. Blome, and T. Carrau. 2022. Inactivation Protocols for African Swine Fever Virus in Serum and Saliva Samples (Preprint). *Preprints* [Epub ahead of print; doi:10.20944/preprints202205.0395.v1]

Freuling, C.M., F. Busch, A. Vos, S. Ortmann, F. Lohr, N. Hedimbi, J. Peter, H.A. Nelson, K. Shoombe, A. Shilongo, B. Gorejena, L. Kaholongo, S. Khaiseb, J. van der Westhuizen, K. Dietze, G. Geurtse, and T. Müller. 2022. Oral rabies vaccination of dogs - experiences from a field trial in Namibia (Preprint). *bioRxiv* [Epub ahead of print; doi:10.1101/2022.04.21.488865]

Lentz, H.H.K., H. Bergmann, F.J. Conraths, A.J. Herrmann, and C. Sauter-Louis. 2022. The diffusion metrics of African Swine Fever in Wild Boar (Preprint). arXiv [Epub ahead of print; <http://arXiv.2202.01558v2>]

Malchow, J. 2022. Auf erhöhten Ebenen fit durch die Mast. DGS Magazin 2/2022.

Miranda, M.Á., C. Barceló, D. Arnoldi, X. Augsten, K. Bakran-Lebl, G. Balatsos, M. Bengoa, P. Bindler, K. Boršova, M. Bourquia, D. Bravo-Barriga, V. Čabanová, B. Caputo, M. Christou, S. Delacour, R. Eritja, O. Fassi-Fihri, M. Ferraguti, E. Flacio, E. Frontera, H.P. Fuehrer, A.L. García-Pérez, P. Georgiades, S. Gewehr, F. Goiri, M.A. González, M. Gschwind, R. Gutiérrez-Lopez, C. Horváth, A. Ibáñez-Justicia, V. Jani, P. Kadriaj, K. Kalan, M. Kavran, A. Klobucar, K. Kurucz, J. Lucientes, R. Lühken, S. Magallanes, G. Marini, A.F. Martinou, A. Michelutti, A.D. Mihalca, T. Montalvo, F. Montarsi, S. Mourelatos, N. Muja-Bajraktari, P. Müller, G. Notarides, H.C. Osório, J.A. Oteo, K. Oter, I. Pajović, J.R.B. Palmer, S. Petrinic, C. Răileanu, C. Ries, E. Rogozi, I. Ruiz-Arrondo, I. Sanpera-Calbet, N. Sekulić, K. Sevim, K. Sherifi, C. Silaghi, M. Silva, N. Sokolovska, Z. Soltész, T. Sulesco, J. Šušnjar, S. Teekema, A. Valsecchi, M.I. Vasquez, E. Velo, A. Michaelakis, W. Wint, P. Dušan, F. Schaffner, and A. della Torre. 2022. AIMSurg: First pan-European harmonized surveillance of Aedes invasive mosquito species of relevance for human vector-borne diseases (Preprint). Zenodo [Epub ahead of print; doi:10.5281/zenodo.6394647]

Muñoz-Ruiz, M., M. Llorian, R. D'Antuono, A. Pavlova, A.M. Mavrigiannaki, D. McKenzie, B. García-Cassani, M.L. Iannitto, A. Jandke, D.S. Ushakov, and A.C. Hayday. 2022. Tissue-intrinsic  $\gamma\delta$  T cells critically regulate Tissue-Resident Memory CD8 T cells (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2022.02.08.479532]

Muñoz-Tamayo, R., B.L. Nielsen, M. Gagaoua, F. Gondret, E.T. Krause, D.P. Morgavi, I.A.S. Olsson, M. Pastell, M. Taghipoor, L. Tedeschi, I. Veissier, and C. Nawroth. 2022. Seven steps to enhance open science practices in animal science (Preprint). Zenodo [Epub ahead of print; doi:10.5281/zenodo.5891771]

Peschel, A., A. Diepold, T.M. Fuchs, J. Ast, M. Lemoine, B. Schink, K. Turgay, B. Stecher, K. Thormann, R. Colin, J. Sander, P. Neumann-Staubitz, K. Aichane, and D. Kruck. 2022. Journal Club. BIOSpektrum 28:50-57.

van Schaik, G., A. Madouasse, A. van Roon, J. Frössling, J. Gethmann, C. Fourichon, M. Mercat, S. More, E. Ågren, C. Sauter-Louis, G. Gunn, J. Eze, R. Humphry, M. Henry, D. Graham, M. Guelbenzu, M. Nielen, and I.M.G.A. Santman-Berends. 2022. Comparison of the confidence in freedom from infection based on different control programmes between EU member states: STOC free. EFSA Support Publ 19:7263E.

Schwarz, M., I. Schwabe, C. Süß-Dombrowski, B. Blazey, S. Reiche, A. Binder, U. Schotte, H. Weinberger, W. Hermanns, and J.P. Teifke. 2022. Nicht nur eine importierte Reisekrankheit: Die Hepatozoonose der Marder. Amtstierärztl Dienst Lebensm 29:311-315.

Stoldt, A.-K., and T.C. Mettenleiter. 2022. Pro&Contra - Wir fragten zwei Experten aus dem veterinärmedizinischen Bereich: Ist angesichts des aktuellen Geschehens eine Impfung gegen die Geflügelpest notwendig? DGS Magazin 2/2022:10.

Straubinger, R.K., B. Kohn, U. Truyen, K. Hartmann, A. Moritz, and M. Bastian. 2022. Die Neubewertung der Impfung gegen Tollwut - Erläuterungen der StIKo Vet. Dt Tierärztebl 70:21-24.

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. 2022. Genome-wide association reveals host-specific genomic traits in Escherichia coli (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2022.02.08.479532]



**Vallbracht, M., B.G. Klupp, and T.C. Mettenleiter.** 2022. Die komplexe Fusionsmaschinerie der Herpesviren. *BIOspektrum* **28**:168-170.

**Vial, F., R. Hedell, P. Hopp, F.C. Dórea, A. Leblond, J. Gethmann, and M.G. Andersson.** 2022. Bayesian approaches to epidemiological surveillance: a review and introduction for risk-assessors and decision-makers (Preprint). Zenodo [Epub ahead of print; doi:10.5281/zenodo.6548557]

**Volzke, J., M. Brendel, E. Weipert, M. Müller, D. Schultz, Ko-Infekt Study Group<sup>3</sup>, and B. Müller-Hilke.** 2022. Influenza A Virus Compromises anti-Streptococcal Innate Immunity (Preprint). bioRxiv [Epub ahead of print; doi:10.1101/2022.03.10.483890]

**Wernike, K., J. Böttcher, S. Amelung, K. Albrecht, T. Gärtner, K. Donat, and M. Beer.** 2022. Serological screening suggests single SARS-CoV-2 spillover events to cattle. bioRxiv [Epub ahead of print; doi:10.1101/2022.01.17.476608]

## Buchbeiträge

**Fischer, U., and F. Takizawa.** 2022. Cellular Immune Responses. *In*: Buchmann, K. and C.J. Secombes (eds.), *Principles of Fish Immunology*, Springer, Cham, ISBN: 978-3-030-85419-5 (print) / 978-3-030-85420-1 (online), S. 141-176.

**Müller, T., R. Hassel, M. Jago, S. Khaiseb, J. van der Westhuizen, A. Vos, S. Calvelage, S. Fischer, D.A. Marston, A.R. Fooks, D. Höper, and C.M. Freuling.** 2022. Rabies in kudu: Revisited. *In*: Kielian, M.C., T.C. Mettenleiter, and M.J. Roosinck (eds). *Advances in Virus Research*, Academic Press Inc. Elsevier Science, San Diego, USA [Epub ahead of print; doi:10.1016/bs.aivir.2022.04.001]

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

### Habilitationen

--

### Dissertationen

**Bünemann, Katharina (ITE):** Effects of pre-calving body condition and postpartum concentrate feed proportions of the ration on performance, mobilization of adipose tissue depots, ruminal pH parameters, microbial efficiency and animal health during the transition period in dairy cows (Martin-Luther Universität Halle-Wittenberg)

**Ehrenberg, Sandra (IfI):** Establishment of an ELISA and a lateral flow device for detection of European and American foulbrood including genotype-differentiation of the American foulbrood causing agent (ERIC I & ERIC II) in honey bees (Universität Greifswald)

**Geibel, Johannes (ING):** Arrays and beyond: Evaluation of marker technologies for chicken genomics (Georg-August-Universität Göttingen)

**Ostermann, Sven (IfI):** Immunostimulatory potential of outer membrane vesicles derived from *Aeromonas salmonicida* - possible use in vaccines? (Universität Greifswald)

**Pernat, Nadja (IMED):** The citizen science project 'Mückenatlas': contributions of opportunistic data collection to mosquito research in Germany (Freie Universität Berlin)

---

<sup>3</sup> FLI Members Ko-Infekt Study Group: Blohm, U.; Schäfer, A.

## PhD Theses

--

## Diplomarbeiten

--

## Masterarbeiten

**Mähmann, Bernhard** (ITE): Untersuchungen zur Wirkung von Zearalenon-kontaminierten Zuckerrübenprodukten in der Sauenfütterung (Georg-August-Universität Göttingen)

**Schröder, Arndt** (ITE): Effekte steigender diätischer Kupferdosierungen auf Leistung, Gesundheit und Exkretion von der Ferkelaufzucht bis zur Anfangsmast (Martin-Luther-Universität Halle-Wittenberg)

## Bachelorarbeiten

**Kleist, Jette Frieda** (IfE): Innerbetriebliche Verbreitung von ESBL/AmpC tragenden *Escherichia coli* in der Milchviehhaltung (Hochschule Neubrandenburg)