



Publications of the FLI 2016

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compiled by: Anette Beidler
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Publications in peer-reviewed journals

Abdelwhab, E.M., C. Grund, M.M. Aly, M. Beer, T.C. Harder, H.M. Hafez. 2016. Benefits and Limits of Egg Yolk vs. Serum Samples for Avian Influenza Virus Serosurveillance. *Avian Dis* **60**:496-499.

Abdelwhab, E.M., M.K. Hassan, A.S. Abdel-Moneim, M.M. Naguib, A. Mostafa, I.T.M. Hussein, A. Arafa, A.M. Erfan, W.H. Kilany, M.G. Agour, Z. El-Kanawati, H.A. Hussein, A.A. Selim, S. Kholousy, H. El-Naggar, E.F. El-Zoghby, A.S. Samy, M. Iqbal, A. Eid, E.M. Ibraheem, S. Pleschka, J. Veits, S.A. Nasef, M. Beer, T.C. Mettenleiter, C. Grund, M.M. Ali, T.C. Harder, and H.M. Hafez. 2016. Introduction and enzootic of A/H5N1 in Egypt: Virus evolution, pathogenicity and vaccine efficacy ten years on. *Infect Genet Evol* **40**:80-90.

Abdelwhab, E.-S.M., J. Veits, A. Breithaupt, S. Gohrbandt, M. Ziller, J.P. Teifke, J. Stech, and T.C. Mettenleiter. 2016. Prevalence of the C-terminal truncations of NS1 in avian influenza A viruses and effect on virulence and replication of a highly pathogenic H7N1 virus in chickens. *Virulence* **7**:546-557.

Abdelwhab, E.-S.M., J. Veits, K. Tauscher, M. Ziller, C. Grund, M.K. Hassan, M. Shaheen, T.C. Harder, J.P. Teifke, J. Stech, and T.C. Mettenleiter. 2016. Progressive glycosylation of the hemagglutinin of avian influenza H5N1 modulates virus replication, virulence and chicken-to-chicken transmission without significant impact on antigenic drift. *J Gen Virol* **97**:3193-3204.

Abdelwhab, E.-S.M., J. Veits, K. Tauscher, M. Ziller, J.P. Teifke, J. Stech, and T.C. Mettenleiter. 2016. A Unique Multibasic Proteolytic Cleavage Site and Three Mutations in the HA2 Domain Confer High Virulence of H7N1 Avian Influenza Virus in Chickens. *J Virol* **90**:400-411.

Abdelwhab, E.M., J. Veits, R. Ulrich, E. Kasbohm, J.P. Teifke, and T.C. Mettenleiter. 2016. Composition of the Hemagglutinin Polybasic Proteolytic Cleavage Motif Mediates Variable Virulence of H7N7 Avian Influenza Viruses. *Sci Rep* **6**:39505.

Adam, A., O.M.E. Seidahmed, C. Weber, B. Schnierle, J. Schmidt-Chanasit, S. Reiche, and C. Jassoy. 2016. Low Seroprevalence Indicates Vulnerability of Eastern and Central Sudan to Infection with Chikungunya Virus. *Vector-Borne Zoonotic Dis* **16**:290-291.

Adamek, M., V. Jung-Schroers, J. Hellmann, F. Teitge, S.M. Bergmann, M. Runge, D.W. Kleingeld, K. Way, D.M. Stone, and D. Steinhagen. 2016. Concentration of carp edema virus (CEV) DNA in koi tissues affected by koi sleepy disease (KSD). *Dis Aquat Org* **119**:245-251.

Adlhoch, C., I.H. Brown, S.G. Angelova, Á. Bálint, R. Bouwstra, S. Buda, M.R. Castrucci, G. Dabrera, Á. Dán, C. Grund, T. Harder, W. van der Hoek, K. Krisztalovics, F. Pany-Ford, Popescu, A. Wallensten, A. Zdravkova, S. Zohari, S. Tsoлова, and P. Penttinen. 2016. Highly pathogenic avian influenza A (H5N8) outbreaks: Protection and management of exposed people in Europe, 2014/15 and 2016. *Eurosurveillance* **21**(49):2-8.

Ahrens, H.E., B. Petersen, D. Herrmann, R. Schwinzer, D. Rataj, A. Tiede, M. Winkler, W. Ramackers, A. Bongoni, R. Rieben, and H. Niemann. 2016. Experimentelle Ansätze zur Überwindung der akuten vaskulären Abstoßungsreaktion nach Verwendung porciner Xenotransplantate. *Züchtungskunde* **88**:32-51.

Akhtar, R., I. Khan, F. Melzer, H. Neubauer, A.A. Anjum, M. Younus, A. Aslam, and S. Imran. 2016. Differential antibiocyte activity of bovine and murine macrophages. *Indian J Exp Biol* **54**:452-456.

Akimkin, V., M. Beer, S. Blome, D. Hanke, D. Höper, M. Jenckel, and A. Pohlmann. 2016. New Chimeric Porcine Coronavirus in Swine Feces, Germany, 2012. *Emerg Infect Dis* **22**:1314-1315.

Aleksic, D., L. Blaschke, S. Mißbach, J. Hänske, W. Weiß, J. Handler, W. Zimmermann, V. Cabrera-Sharp, J.E. Read, M.M. de Mestre, R. O'Riordan, T. Moore, and R. Kammerer. 2016. Convergent evolution of pregnancy-specific glycoproteins in the human and horse. *Reproduction* **152**:171-184.

- Alessio, A.P., A.E. Fili, W. Garrels, D.O. Forcato, M.F. Olmos Nicotra, A.C. Liaudat, R.J. Bevacqua, V. Savy, M.I. Hiriart, T.R. Talluri, J.B. Owens, Z. Ivics, D.F. Salamone, S. Moisyadi, W.A. Kues, and P. Bosch. 2016. Establishment of cell-based transposon-mediated transgenesis in cattle. *Theriogenology* **85**:1297-1311.
- Ali, S., S. Akhter, H. Neubauer, A. Scherag, M. Kesselmeier, F. Melzer, I. Khan, H. El-Adawy, A. Azam, S. Qadeer, and Q. Ali. 2016. Brucellosis in pregnant women from Pakistan: an observational study. *BMC Infect Dis* **16**:468.
- Altmann, S., T. Korytář, D. Kaczmarzyk, M. Nipkow, C. Kühn, T. Goldammer, and A. Rebl. 2016. Toll-like receptors in maraena whitefish: Evolutionary relationship among salmonid fishes and patterns of response to *Aeromonas salmonicida*. *Fish Shellfish Immunol* **54**:391-401.
- Amaro, F., D. Hanke, L. Zé-Zé, M.J. Alves, S.C. Becker, and D. Höper. 2016. Genetic characterization of Arrabida virus, a novel phlebovirus isolated in South Portugal. *Virus Res* **214**:19-25.
- Anand, T., T.R. Talluri, D. Kumar, W. Garrels, A. Mukherjee, K. Debowski, R. Behr, and W.A. Kues. 2016. Differentiation of Induced Pluripotent Stem Cells to Lentoid Bodies Expressing a Lens Cell-Specific Fluorescent Reporter. *PLoS one* **11**:e0157570.
- Antwerpen, M., M. Elschner, W. Gaede, A. Schliephake, G. Grass, and H. Tomaso. 2016. Genome Sequence of *Bacillus anthracis* Strain Stendal, Isolated from an Anthrax Outbreak in Cattle in Germany. *Genome Announcements* **4**:e00219-16.
- Armengol-Porta, M., A. Tenorio-Abreu, D. Bandt, D.C. Coleman, D. Gavier-Widen, H. Hotzel, P. Kinnevey, A. Lazaris, M. Peters, L. Rangstrup-Christensen, K. Schlotter, A.C. Shore, R. Ehricht, and S. Monecke. 2016. In vitro activity of ceftaroline against *mecC*-positive MRSA isolates. *J Glob Antimicrob Resist* **5**:3-6.
- Ayinmode, A.B., O.A. Adediran, and G. Schares. 2016. Seroprevalence of *Toxoplasma gondii* and *Neospora caninum* in urban and rural dogs from southwestern Nigeria. *Afr J Infect Dis* **10**:25-28.
- Balkema-Buschmann, A., G. Priemer, M. Keller, M. Mazza, B. Hills, and M.H. Groschup. 2016. Intra- and Interspecies Transmission of Atypical BSE - What Can We Learn from It? *Food Safety* **4**(4):121-129
- Barman, N.N., D.P. Bora, E. Khatoon, S. Mandal, A. Rakshit, G. Rajbongshi, K. Depner, A. Chakraborty, and S. Kumar. 2016. Classical Swine Fever in Wild Hog: Report of its Prevalence in Northeast India. *Transbound Emerg Dis* **63**:540-547.
- Barth, S.A., C. Menge, I. Eichhorn, T. Semmler, L.H. Wieler, D. Pickard, A. Belka, C. Berens, and L. Geue. 2016. The accessory genome of Shiga toxin-producing *Escherichia coli* (STEC) defines a persistent colonization type in cattle. *Appl Environ Microbiol* **82**:5455-5464.
- Barthel, Y., S. Drews, M. Fehr, I. Moser, K. Mätz-Rensing, W. Baumgärtner, and P. Wohlsein. 2016. Concurrent infection with *Mycobacterium avium* subsp. *hominissuis* and *Giardia duodenalis* in a chinchilla (*Chinchilla lanigera f. dom.*). *Berl Münch Tierärztl Wschr* **129**:242-246.
- Bassarak, B., I. Moser, and C. Menge. 2016. *In vitro* production of *Trypanosoma equiperdum* antigen and its evaluation for use in serodiagnosis of dourine. *Vet Parasitol* **223**:133-140.
- Beissinger, T.M., M. Gholami, M. Erbe, S. Weigend, A. Weigend, N. de Leon, D. Gianola, and H. Simianer. 2016. Using the variability of linkage disequilibrium between subpopulations to infer sweeps and epistatic selection in a diverse panel of chickens. *Heredity* **116**:158-166.
- Bernal-Ulloa, S.M., J. Heinzmann, D. Herrmann, K.-G. Haderler, P. Aldag, S. Winkler, D. Pache, U. Baulain, A. Lucas-Hahn, and H. Niemann. 2016. Cyclic AMP Affects Oocyte Maturation and Embryo Development in Prepubertal and Adult Cattle. *PLoS one* **11**:e0150264.

- Bernal-Ulloa, S.M., A. Lucas-Hahn, D. Herrmann, K.-G. Haderler, P. Aldag, U. Baulain, and H. Niemann. 2016. Oocyte pre-*in vitro* maturation with caffeine improves bovine embryo survival after vitrification. *Theriogenology* **86**:1222-1230.
- Bernhardt, K., H. Valenta, S. Kersten, H.-U. Humpf, and S. Dänicke. 2016. Determination of T-2 toxin, HT-2 toxin, and three other type A trichothecenes in layer feed by high-performance liquid chromatography-tandem mass spectrometry (LC-MS/MS) - comparison of two sample preparation methods. *Mycotoxin Res* **32**:89-97.
- Bert, B., J. Chmielewska, S. Bergmann, M. Busch, W. Driever, K. Finger-Baier, J. Höbner, A. Köhler, N. Leich, T. Misgeld, T. Nöldner, A. Reiher, M. Schartl, A. Seebach-Sproedt, T. Thumberger, G. Schönfelder, and B. Grune. 2016. Considerations for a European animal welfare standard to evaluate adverse phenotypes in teleost fish. *EMBO J* **35**:1151-1154.
- Bevacqua, R.J., R. Fernandez-Martín, V. Savy, N.G. Canel, M.I. Gismondi, W.A. Kues, D.F. Carlson, S.C. Fahrenkrug, H. Niemann, O.A. Taboga, S. Ferraris, and D.F. Salamone. 2016. Efficient edition of the bovine *PRNP* prion gene in somatic cells and IVF embryos using the CRISPR/Cas9 system. *Theriogenology* **86**:1886-1896.
- Bisle, S., L. Klingenbeck, V. Borges, K. Sobotta, J. Schulze-Luehrmann, C. Menge, C. Heydel, J.P. Gomes, and A. Lührmann. 2016. The Inhibition of the Apoptosis Pathway by the *Coxiella burnetii* Effector Protein CaeA requires the EK Repetition Motif, but is Independent of Survivin. *Virulence* **7**:400-412.
- Blodkamp, S., K. Kadlec, T. Gutschmann, H.Y. Naim, M. von Köckritz-Blickwede, and S. Schwarz. 2016. *In vitro* activity of human and animal cathelicidins against livestock-associated methicillin-resistant *Staphylococcus aureus*. *Vet Microbiol* **194**:107-111.
- Blohm, U., S. Weigend, R. Preisinger, M. Beer, and D. Hoffmann. 2016. Immunological Competence of Different Domestic Chicken Breeds Against Avian Influenza Infection. *Avian Dis* **60**:262-268.
- Bodewes, R., S. Zohari, J.S. Krog, M.D. Hall, T.C. Harder, T.M. Bestebroer, M.W.G. van de Bildt, M.I. Spronken, L.E. Larsen, U. Siebert, P. Wohlsein, C. Puff, F. Seehusen, W. Baumgärtner, T. Härkönen, S.L. Smits, S. Herfst, A.D.M.E. Osterhaus, R.A.M. Fouchier, M.P. Koopmans, and T. Kuiken. 2016. Spatiotemporal analysis of the genetic diversity of seal influenza A(H10N7) virus, Northwestern Europe. *J Virol* **90**:4269-4277.
- Böhm, S.W., M. Backovic, B.G. Klupp, F.A. Rey, T.C. Mettenleiter, and W. Fuchs. 2016. Functional Characterization of Glycoprotein H Chimeras Composed of Conserved Domains of the Pseudorabies Virus and Herpes Simplex Virus 1 Homologs. *J Virol* **90**:421-432.
- Böhringer, M., S. Pohlers, S. Schulze, D. Albrecht-Eckardt, J. Piegsa, M. Weber, R. Martin, K. Hünninger, J. Linde, R. Guthke, and O. Kurzai. 2016. *Candida albicans* infection leads to barrier breakdown and a MAPK/NF- κ B mediated stress response in the intestinal epithelial cell line C2BBe1. *Cell Microbiol* **18**:889-904.
- Bourg, M., D. Nobach, S. Herzog, H. Lange-Herbst, A. Nessler, H.-P. Hamann, S. Becker, D. Höper, B. Hoffmann, M. Eickmann, and C. Herden. 2016. Screening red foxes (*Vulpes vulpes*) for possible viral causes of encephalitis. *Virology J* **13**:151.
- Braukmann, M., P.A. Barrow, A. Berndt, and U. Methner. 2016. Combination of competitive exclusion and immunisation with a live *Salmonella* vaccine in newly hatched chickens: Immunological and microbiological effects. *Res Vet Sci* **107**:34-41.
- Braun, S.D., H. El-Adawy, M. Ahmed, H. Hotzel, I. Engelmann, D. Weiß, S. Monecke, and R. Ehrlich. 2016. Surveillance of extended-spectrum beta-lactamase-producing *Escherichia coli* in dairy cattle farms in the Nile delta, Egypt. *Front Microbiol* **7**:1020.

Brendler, C., and L. Schrader. 2016. Perch use by laying hens in aviary systems. *Appl Anim Behav* **182**:9-14.

Brenninkmeyer, C., S. Dippel, J. Brinkmann, S. March, C. Winckler, and U. Knierim. 2016. Investigating integument alterations in cubicle housed dairy cows: which types and locations can be combined? *Animal* **10**:342-348.

Brezina, U., I. Rempe, S. Kersten, H. Valenta, H.-U. Humpf, and S. Dänicke. 2016. Determination of zearalenone, deoxynivalenol and metabolites in bile of piglets fed diets with graded levels of Fusarium toxin contaminated maize. *World Mycotoxin J* **9**:179-193.

Brietzke, A., M. Arnemo, T. Gjøen, H. Rebl, T. Korytář, T. Goldammer, A. Rebl, and H.-M. Seyfert. 2016. Structurally diverse genes encode Tlr2 in rainbow trout. The conserved receptor cannot be stimulated by classical ligands to activate NF-κB in vitro. *Dev Comp Immunol* **54**:75-88.

Brim, S., M.H. Groschup, and T. Kuczius. 2016. Copper and Zinc Interactions with Cellular Prion Proteins Change Solubility of Full-Length Glycosylated Isoforms and Induce the Occurrence of Heterogeneous Phenotypes. *PLoS one* **11**:e0153931.

Brunberg, E.I., T.B. Rodenburg, L. Rydhmer, J.B. Kjaer, P. Jensen, and L.J. Keeling. 2016. Omnivores Going Astray: A Review and New Synthesis of Abnormal Behavior in Pigs and Laying Hens. *Front Vet Sci* **3**:57.

Brunotte, L., M. Beer, M. Horie, and M. Schwemmler. 2016. Chiropteran influenza viruses: flu from bats or a relic from the past? *Curr Opin Virol* **16**:114-119.

Bühler, S., J. Frahm, R. Tienken, S. Kersten, U. Meyer, K. Huber, S. Dänicke. 2016. Influence of energy level and nicotinic acid supplementation on apoptosis of blood leukocytes of periparturient dairy cows. *Vet Immunol Immunopathol* **179**:36-45.

Cai, J., Y. Wang, S. Schwarz, G. Zhang, S. Chen, D. Gu, Y. Shen, and D. Li. 2016. High detection rate of the oxazolidinone resistance gene *optrA* in *Enterococcus faecalis* isolated from a Chinese anorectal surgery ward. *In J Antimicrob Agents* **48**:757-768.

Callens, N., B. Brügger, P. Bonnafous, H. Drobecq, M.J. Gerl, T. Krey, G. Roman-Sosa, T. Rümenapf, O. Lambert, J. Dubuisson, and Y. Rouillé. 2016. Morphology and Molecular Composition of Purified Bovine Viral Diarrhea Virus Envelope. *PLoS Pathog* **12**:e1005476.

Chakrabarty, A., P.K. Bhattacharjee, R.R. Sarker, A.K.M.A. Rahman, K. Henning, H. Neubauer, and M.S. Rahman. 2016. Prevalence of *Coxiella burnetii* infection in cattle, black Bengal goats and ticks in Bangladesh. *Bangl J Vet Med* **14**:65-68.

Chauzat, M.-P., A. Jacques, EPILOBEE Consortium, M. Laurent, S. Bougeard, P. Hendrikx, and M. Ribière-Chabert. 2016. Risk indicators affecting honeybee colony survival in Europe: one year of surveillance. *Apidologie* **47**:348-378.

Chinikar, S., N. Shah-Hosseini, S. Bouzari, M.A. Shokrgozar, E. Mostafavi, T. Jalali, S. Khakifirouz, M.H. Groschup, and M. Niedrig. 2016. Assessment of Recombination in the S-segment Genome of Crimean-Congo Hemorrhagic Fever Virus in Iran. *J Arthropod-Borne Dis* **10**:12-23.

Christensen, M.H., S.B. Jensen, J.J. Miettinen, S. Luecke, T. Prabakaran, L.S. Reinert, T. Mettenleiter, Z.J. Chen, D.M. Knipe, R.M. Sandri-Goldin, L.W. Enquist, R. Hartmann, T.H. Mogensen, S.A. Rice, T.A. Nyman, S. Matikainen, and S.R. Paludan. 2016. HSV-1 ICP27 targets the TBK1-activated STING signaling to inhibit virus-induced type I IFN expression. *EMBO J* **35**:1385-1399.

Cieslak, M., S.S. Mikkelsen, H.F. Skall, M. Baud, N. Diserens, M.Y. Engelsma, O.L.M. Haenen, S. Mousakhani, V. Panzarin, T. Wahli, N.J. Olesen, and H. Schütze. 2016. Phylogeny of the Viral Hemorrhagic Septicemia Virus in European Aquaculture. *PLoS one* **11**:e0164475.

- Conraths, F.J., C. Sauter-Louis, A. Globig, K. Dietze, G. Pannwitz, K. Albrecht, D. Höreth-Böntgen, M. Beer, C. Staubach, and T. Homeier-Bachmann. 2016. Highly Pathogenic Avian Influenza H5N8 in Germany: Outbreak Investigations. *Transbound Emerg Dis* **63**:10-13.
- Corsaro, D., R. Michel, J. Walochnik, D. Venditti, K.-D. Müller, B. Hauröder, and C. Wylezich. 2016. Molecular identification of *Nucleophaga terricolae* sp. nov. (Rozellomycota), and new insights on the origin of the Microsporidia. *Parasitol Res* **115**:3003-3011.
- Corsaro, D., C. Wylezich, J. Walochnik, D. Venditti, and R. Michel. 2016. Molecular identification of bacterial endosymbionts of *Sappinia* strains. *Parasitol Res* **115**:3003-3011.
- Costa, S.S., C. Palma, K. Kadlec, A.T. Fessler, M. Viveiros, J. Melo-Cristino, S. Schwarz, and I. Couto. 2016. Plasmid-Borne Antimicrobial Resistance of *Staphylococcus aureus* Isolated in a Hospital in Lisbon, Portugal. *Microb Drug Resist* **22**:617-626.
- Couto, N., A. Belas, C. Rodrigues, S. Schwarz, and C. Pomba. 2016. Acquisition of the *fexA* and *cfr* genes in *Staphylococcus pseudintermedius* during florfenicol treatment of canine pyoderma. *J Glob Antimicrob Resist* **7**:126-127.
- Czycholl, I., C. Kniese, K. Büttner, E. grosse Beilage, L. Schrader, and J. Krieter. 2016. Test-retest reliability of the Welfare Quality® animal welfare assessment protocol for growing pigs. *Anim Welfare* **25**:447-459.
- Czycholl, I., C. Kniese, K. Büttner, E. grosse Beilage, L. Schrader, and J. Krieter. 2016. Interobserver reliability of the 'Welfare Quality® Animal Welfare Assessment Protocol for Growing Pigs'. *SpringerPlus* **5**:1114.
- Dämmgen, U., W. Brade, U. Meyer, H. Flessa, and H.-D. Haenel. 2016. Gasförmige Emissionen bei der Eiweißerzeugung mit Deutschen Holsteins - eine Stoffstromanalyse der gesamten Produktionskette - 3. Bewertung der Milchkuhhaltung in einer grünlandbasierten Milcherzeugung bei begrenztem Kraftfuttereinsatz. *Landbauforsch - Appl Agric Forestry Res* **66**:215-228.
- Dämmgen, U., W. Brade, U. Meyer, H.-D. Haenel, C. Rösemann, H. Flessa, J. Webb, M. Strogies, and M. Schwerin. 2016. Gaseous emissions arising from protein production with German Holsteins - an analysis of the energy and mass flows of the entire production chain - 1. Goals, methods and input data. *Landbauforsch - Appl Agric Forestry Res* **66**:161-192.
- Dämmgen, U., W. Brade, U. Meyer, H.-D. Haenel, C. Rösemann, H. Flessa, J. Webb, M. Strogies, and M. Schwerin. 2016. Gaseous emissions arising from protein production with German Holsteins - an analysis of the energy and mass flows of the entire production chain - 2. Emissions and reduction potentials. *Landbauforsch - Appl Agric Forestry Res* **66**:193-214.
- Dämmgen, U., W. Liermann, V. Bösch, A. Berk, and S. Dänicke. 2016. Der Einfluss der Futterkonfektionierung bei Mastschweinen und Broilern auf die Emission von Treibhausgasen und Ammoniak - Betrachtung der gesamten Produktionskette. *Landbauforsch - Appl Agric Forestry Res* **66**:45-70.
- Dänicke, S. 2016. Toxic effects, metabolism, and carry-over of ergot alkaloids in laying hens, with a special focus on changes of the alkaloid isomeric ratio in feed caused by hydrothermal treatment. *Mycotoxin Res* **32**:37-52.
- Dänicke, S., U. Meyer, J. Winkler, S. Ulrich, J. Frahm, S. Kersten, H. Valenta, J. Rehage, S. Häussler, H. Sauerwein, and L. Locher. 2016. Haematological and immunological adaptations of non-pregnant, non-lactating dairy cows to a high-energetic diet containing mycotoxins. *Arch Anim Nutr* **70**:1-16.
- Day, M.J., I. Rodríguez, A. van Essen-Zandbergen, C. Dierikx, K. Kadlec, A.-K. Schink, G. Wu, M.A. Chattaway, V. DoNascimento, J. Wain, R. Helmuth, B. Guerra, S. Schwarz, J. Threlfall, M.J. Woodward, N. Coldham, D. Mevius, and N. Woodford. 2016. Diversity of STs, plasmids and ESBL genes

among *Escherichia coli* from humans, animals and food in Germany, the Netherlands and the UK. *J Antimicrob Chemother* **71**:1178-1182.

Depner, K., C. Staubach, C. Probst, A. Globig, S. Blome, K. Dietze, C. Sauter-Louis, and F.J. Conraths. 2016. Die Afrikanische Schweinepest - epidemiologische Betrachtungen und Konsequenzen für die Tierseuchenbekämpfung. *Tierärztl Umschau* **71**:72-78.

Dhollander, S., G.J. Belsham, M. Lange, K. Willgert, T. Alexandrov, E. Chondrokouki, K. Depner, S. Khomenko, F. Özyörük, M. Salman, H.-H. Thulke, and A. Bøtner. 2016. Assessing the potential spread and maintenance of foot-and-mouth disease virus infection in wild ungulates: general principles and application to a specific scenario in Thrace. *Transbound Emerg Dis* **63**:165-174.

Dippel, S. and L. Schrader. 2016. Tail docking in pigs - status quo in Germany. *Züchtungskunde* **88**:417-428.

Dlabola, J., E. Hashish, B. Pauly, B. Kubisiak, I. Behm, R. Heseler, A. Schliephake, L.H. Wieler, H. Neubauer, and C. Seyboldt. 2015. *Clostridium botulinum* type D/C intoxication in a dairy cow stock in Saxony-Anhalt (Germany) - report on an innovative diagnostic approach. *Berl Münch Tierärztl Wschr* **129**:111-117.

Donat, K., N. Hahn, T. Eisenberg, K. Schlez, H. Köhler, W. Wolter, M. Rohde, R. Pützschel, U. Rösler, K. Failing, and P.M. Zschöck. 2015. Within-herd prevalence thresholds for the detection of *Mycobacterium avium* subspecies *paratuberculosis*-positive dairy herds using boot swabs and liquid manure samples. *Epidemiol Infect* **144**:413-424.

Donat, K., M. Schmidt, H. Köhler, and C. Sauter-Louis. 2016. Management of the calving pen is a crucial factor for paratuberculosis control in large dairy herds. *J Dairy Sci* **99**:3744-3752.

Dräger, C., C. Schröder, P. König, B. Tegtmeyer, M. Beer, and S. Blome. 2016. Efficacy of Suvaxyn CSF Marker (CP7_E2alf) in the presence of pre-existing antibodies against Bovine viral diarrhoea virus type 1. *Vaccine* **34**:4666-4671.

Drong, C., U. Meyer, D. von Soosten, J. Frahm, J. Rehage, G. Breves, and S. Dänicke. 2016. Effect of monensin and essential oils on performance and energy metabolism of transition dairy cows. *J Anim Physiol Anim Nutr* **100**:537-551.

Dubey, J.P., G. Moré, E. van Wilpe, R. Calero-Bernal, S.K. Verma, and G. Schares. 2016. *Sarcocystis rommeli*, n. sp. (Apicomplexa: Sarcocystidae) from Cattle (*Bos taurus*) and Its Differentiation from *Sarcocystis hominis*. *J Eukaryot Microbiol* **63**:62-68.

Dugat, T., M.-N. Rossignol, O. Rué, V. Loux, S. Marthey, M. Moroldo, C. Silaghi, D. Höper, J. Fröhlich, M. Pfeffer, E. Zwegarth, A.-C. Lagrée, H.-J. Boulouis, and N. Haddad. 2016. Draft *Anaplasma phagocytophilum* Genome Sequences from Five Cows, Two Horses, and One Roe Deer Collected in Europe. *Genome Announcements* **4**:e00950-16.

Dwibedi, C., D. Birdsell, A. Lärkeryd, K. Myrtenäs, C. Öhrman, E. Nilsson, E. Karlsson, C. Hochhalter, A. Rivera, S. Maltinsky, B. Bayer, P. Keim, H.C. Scholz, H. Tomaso, M. Wittwer, C. Beuret, N. Schuerch, P. Pilo, M. Hernández Pérez, D. Rodriguez-Lazaro, R. Escudero, P. Anda, M. Forsman, D.M. Wagner, P. Larsson, and A. Johansson. 2016. Long-range dispersal moved *Francisella tularensis* into Western Europe from the East. *Microb Genom* **2**:12; doi:10.1099/mgen.0.000100.

Eger, M., J. Hussen, M. Koy, S. Dänicke, H.-J. Schuberth, and G. Breves. 2015. Glucose transporter expression differs between bovine monocyte and macrophage subsets and is influenced by milk production. *J Dairy Sci* **99**:2276-2287.

Eggerbauer, E., P. de Benedictis, B. Hoffmann, T.C. Mettenleiter, K. Schlottau, E.C. Ngoepe, C.T. Sabeta, C.M. Freuling, and T. Müller. 2016. Evaluation of Six Commercially Available Rapid Immunochromatographic Tests for the Diagnosis of Rabies in Brain Material. *PLoS Negl Trop Dis* **10**:e0004776.

- Eiden, M., A. Vina-Rodriguez, J. Schlosser, H. Schirrmeier, and M.H. Groschup. 2016. Detection of Hepatitis E Virus in Archived Rabbit Serum Samples, Germany 1989. *Food Environ Virol* **8**:105-107.
- Eisenberg, T., A. Nesseler, C. Sauerwald, U. Kling, K. Riße, U. Kaim, G. Althoff, N. Fiege, K. Schlez, H.-P. Hamann, A. Fawzy, I. Moser, R. Riße, G. Kraft, M. Zschöck, and C. Menge. 2016. *Mycobacterium tuberculosis* exposure of livestock in a German dairy farm: implications for *intra vitam* diagnosis of bovine tuberculosis in an officially tuberculosis-free country. *Epidemiol Infect* **144**:724-731.
- El-Adawy, H., M. Ahmed, H. Hotzel, S. Monecke, J. Schulz, J. Hartung, R. Ehricht, H. Neubauer, and H.M. Hafez. 2016. Characterization of Methicillin-Resistant *Staphylococcus aureus* Isolated from Healthy Turkeys and Broilers Using DNA Microarrays. *Front Microbiol* **7**:2019.
- Elbers, F., C. Woite, V. Antoni, S. Stein, H. Funakoshi, T. Nakamura, G. Schares, W. Däubener, and S.K. Eller. 2016. Negative Impact of Hypoxia on Tryptophan 2,3-Dioxygenase Function. *Mediat Inflamm* **2016**:1638916.
- Ellrichmann, M., S. Dhar, K.-G. Haderl, F. Seehusen, T. Cuming, A.T. Feßler, H. Niemann, S. Schwarz, and A. Fritscher-Ravens. 2015. Risk of infection after iatrogenic perforation of the gut wall? Evaluation of preventive strategies in a randomized controlled animal trial. *Surg Endosc* **30**:3077-3088.
- El Metwaly Ahmed, M.F., H. El-Adawy, H. Hotzel, H. Tomaso, H. Neubauer, N. Kemper, J. Hartung, and H.M. Hafez. 2016. Prevalence, genotyping and risk factors of thermophilic *Campylobacter* spreading in organic turkey farms in Germany. *Gut Pathog* **8**:28.
- Elschner, M.C., and C. Hänsel. 2016. Rotz - die am längsten bekannte Pferdekrankheit. *Tierärztl Umschau* **71**:58-64.
- Elschner, M.C., P. Thomas, and F. Melzer. 2016. Complete Genome Sequence of a *Burkholderia mallei* Isolate Originating from a Glandorous Horse from the Kingdom of Bahrain. *Genome Announcements* **4**:e01296-16.
- Engel, D., H. Jöst, M. Wink, J. Börstler, S. Bosch, M.-M. Garigliany, A. Jöst, C. Czajka, R. Lühken, U. Ziegler, M.H. Groschup, M. Pfeffer, N. Becker, D. Cadar, and J. Schmidt-Chanasit. 2016. Reconstruction of the Evolutionary History and Dispersal of Usutu Virus, a Neglected Emerging Arbovirus in Europe and Africa. *mBio* **7**:e01938-15.
- Entorf, M., A.T. Feßler, H. Kaspar, K. Kadlec, T. Peters, and S. Schwarz. 2016. Comparative erythromycin and tylosin susceptibility testing of streptococci from bovine mastitis. *Vet Microbiol* **194**:36-42.
- Erume, J., K. Roesel, M.M. Dione, F. Ejobi, G. Mboowa, J.M. Kungu, J. Akol, D. Pezo, H. El-Adawy, F. Melzer, M. Elschner, H. Neubauer, and D. Grace. 2016. Serological and molecular investigation for brucellosis in swine in selected districts of Uganda. *Trop Anim Health Prod* **48**:1147-1155.
- Falgenhauer, L., C. Imirzalioglu, H. Ghosh, K. Gwozdzinski, J. Schmiedel, K. Gentil, R. Bauerfeind, P. Kämpfer, H. Seifert, G.B. Michael, S. Schwarz, Y. Pfeifer, G. Werner, M. Pietsch, U. Roesler, B. Guerra, J. Fischer, H. Sharp, A. Käsbohrer, A. Goesmann, K. Hille, L. Kreienbrock, and T. Chakraborty. 2016. Circulation of clonal populations of fluoroquinolone-resistant CTX-M-15-producing *Escherichia coli* ST410 in humans and animals in Germany. *Int J Antimicrob Agents* **47**:457-465.
- Falgenhauer, L., S.-E. Waezsada, Y. Yao, C. Imirzalioglu, A. Käsbohrer, U. Roesler, G.B. Michael, S. Schwarz, G. Werner, L. Kreienbrock, and T. Chakraborty, for the RESET consortium. 2016. Colistin resistance gene *mcr-1* in extended-spectrum β -lactamase-producing and carbapenemase-producing Gram-negative bacteria in Germany. *Lancet Infect Dis* **16**:282-283.
- Fan, R., D. Li, Y. Wang, T. He, A.T. Feßler, S. Schwarz, and C. Wu. 2016. Presence of the *optrA* gene in methicillin-resistant *Staphylococcus sciuri* of porcine origin. *Antimicrob Agents Chemother* **60**:7200-7205.

- Fatima, S., I. Khan, A. Nasir, M. Younus, M. Saqib, F. Melzer, H. Neubauer, and H. El-Adawy. 2016. Serological, molecular detection and potential risk factors associated with camel brucellosis in Pakistan. *Trop Anim Health Prod* **48**:1711-1718.
- Fischer, K., V.P. Dos Reis, S. Finke, L. Sauerhering, E. Stroh, A. Karger, A. Maisner, M.H. Groschup, S. Diederich, and A. Balkema-Buschmann. 2015. Expression, characterisation and antigenicity of a truncated Hendra virus attachment protein expressed in the protozoan host *Leishmania tarentolae*. *J Virol Methods* **228**:48-54.
- Fischer, K., S. Kraner-Scheiber, B. Petersen, B. Rieblinger, A. Buermann, T. Flisikowska, K. Flisikowski, S. Christan, M. Edlinger, W. Baars, M. Kurome, V. Zakhartchenko, B. Kessler, E. Plotzki, I. Szczerbal, M. Switonski, J. Denner, E. Wolf, R. Schwinzer, H. Niemann, A. Kind, and A. Schnieke. 2016. Efficient production of multi-modified pigs for xenotransplantation by 'combineering', gene stacking and gene editing. *Sci Rep* **6**:29081.
- Fischer, M., N. Renevey, B. Thür, D. Hoffmann, M. Beer, and B. Hoffmann. 2016. Efficacy Assessment of Nucleic Acid Decontamination Reagents Used in Molecular Diagnostic Laboratories. *PLoS one* **11**:e0159274.
- Flachowsky, G. 2016. Book review: *Livestock Production and Climate Change*, Pradeep K. Malik, Raghavendra Bhatta, Junichi Takahashi, Richard A. Kohn, Cadaba S. Prasad (Eds.) CAB International, Wallingford (UK) (2015). 395 pp., Hardcover, Price: £95.00/€125.00/\$180.00, ISBN-13.978 1 78064 432 5. *Anim Feed Sci Technol* **217**:101-103.
- Flachowsky, G. 2016. Book review: *Nutritional Modelling for Pigs and Poultry*, N.K. Sakmoura, R.M. Gous, I. Kyriazakis, L. Hauschild (eds.). CAB International, Wallingford, UK and Boston, USA (2015). 304 pp., Hardcover, ISBN: 9781780644110 (Price: £95.00/€125.00/\$180.00). *Anim Feed Sci Technol* **217**:100.
- Flachowsky, G. 2016. Book Review: *Genetically Engineered Crops: Experiences and Prospects* authored by Committee on Genetically Engineered Crops: Past Experience and Future Prospects, Board on Agriculture and Natural Resources, Division on Earth and Life Studies, National Academies of Sciences, Engineering, and Medicine. The National Academies Press, Washington, DC USA, 2016, Paperback. 420 p. Prepublication: 71.00 \$; ISBN: 978-0-309-43738-7; DOI: 10.17226/233955. *J Anim Feed Sci* **25**:363-365.
- Fohler, S., S. Discher, E. Jordan, C. Seyboldt, G. Klein, H. Neubauer, M. Hoedemaker, T. Scheu, A. Campe, K. Jensen, and A. Abdulmawjood. 2016. Detection of *Clostridium botulinum* neurotoxin genes (A - F) in dairy farms from Northern Germany using PCR: a case-control study. *Anaerobe* **39**:97-104.
- Fohler, S., G. Klein, M. Hoedemaker, T. Scheu, C. Seyboldt, A. Campe, K.C. Jensen, and A. Abdulmawjood. 2016. Diversity of *Clostridium perfringens* toxin-genotypes from dairy farms. *BMC Microbiol* **16**:199.
- Franke, A., O. Kershaw, M. Jenckel, L. König, M. Beer, B. Hoffmann, and D. Hoffmann. 2016. Fatal Cowpox Virus Infection in an Aborted Foal. *Vector-Borne Zoonotic Dis* **16**:431-433.
- Franz, A.-C., O. Faass, B. Köllner, N. Shved, K. Link, A. Casanova, M. Wenger, H. D'Cotta, J.-F. Baroiller, O. Ullrich, M. Reinecke, and E. Eppler. 2016. Endocrine and Local IGF-I in the Bony Fish Immune System. *Biology* **5**(1); doi:10.3390/biology5010009.
- Frey, C.F., J. Regidor-Cerrillo, N. Marreros, P. García-Lunar, D. Gutiérrez-Expósito, G. Schares, J.P. Dubey, A. Gentile, P. Jacquiet, V. Shkap, H. Cortes, L.M. Ortega-Mora, and G. Álvarez-García. 2016. *Besnoitia besnoiti* lytic cycle in vitro and differences in invasion and intracellular proliferation among isolates. *Parasite Vector* **9**:115.

- Friedrichs, P., H. Sauerwein, L.F. Locher, J. Rehage, U. Meyer, S. Dänicke, B. Kuhla, and M. Mielenz. 2016. Expression of metabolic sensing receptors in adipose tissues of periparturient dairy cows with differing extent of negative energy balance. *Animal* 10:623-632.
- Garrels, W., A. Mukherjee, S. Holler, N. Cleve, T.R. Talluri, B. Barg-Kues, M. Diederich, P. Köhler, B. Petersen, A. Lucas-Hahn, H. Niemann, Z. Izsvák, Z. Ivics, and W.A. Kues. 2016. Identification and re-addressing of a transcriptionally permissive locus in the porcine genome. *Transgenic Res* 25:63-70.
- Garrels, W., T.R. Talluri, R. Apfelbaum, Y.P. Carratalá, P. Bosch, K. Pötzsch, E. Grueso, Z. Ivics, and W.A. Kues. 2016. One-step Multiplex Transgenesis via *Sleeping Beauty* Transposition in Cattle. *Sci Rep* 6:21953.
- Garrels, W., T.R. Talluri, M. Ziegler, I. Most, D.O. Forcato, M. Schmeer, M. Schleef, Z. Ivics, and W.A. Kues. 2016. Cytoplasmic injection of murine zygotes with *Sleeping Beauty* transposon plasmids and minicircles results in the efficient generation of germline transgenic mice. *Biotechnol J* 11:178-184.
- Giovannini, S., S.M. Bergmann, C. Keeling, C. Lany, H. Schütze, and H. Schmidt-Posthaus. 2016. Herpesviral Hematopoietic Necrosis in Goldfish in Switzerland: Early Lesions in Clinically Normal Goldfish (*Carassius auratus*). *Vet Pathol* 53:847-852.
- Götz, V., L. Magar, D. Dornfeld, S. Giese, A. Pohlmann, D. Höper, B.-W. Kong, D.A. Jans, M. Beer, O. Haller, and M. Schwemmle. 2016. Influenza A viruses escape from MxA restriction at the expense of efficient nuclear vRNP import. *Sci Rep* 6:23138.
- Golender, N., K. Wernike, V. Bumbarov, A. Aebischer, A. Panshin, M. Jenckel, Y. Khinich, and M. Beer. 2016. Characterization of Shuni viruses detected in Israel. *Virus Genes* 52:806-813.
- Goller, K.V., C. Gabriel, M. Le Dimna, M.-F., Le Potier, S. Rossi, C. Staubach, M. Merboth, M. Beer, and S. Blome. 2016. Evolution and molecular epidemiology of classical swine fever virus during a multi-annual outbreak amongst European wild boar. *J Gen Virol* 97:639-645.
- Golüke, S., S. Dörrenberg, E.T. Krause, and B.A. Caspers. 2016. Female Zebra Finches Smell Their Eggs. *PLoS one* 11:e0155513.
- Gondim, L.F.P., A. Wolf, M.G. Vrhovec, N. Pantchev, C. Bauer, M.C. Langenmayer, W. Bohne, J.P. Teifke, J.P. Dubey, F.J. Conraths, and G. Schares. 2016. Characterization of an IgG monoclonal antibody targeted to both tissue cyst and sporocyst walls of *Toxoplasma gondii*. *Exp Parasitol* 163:46-56.
- González-Serrano, A.F., C.R. Ferreira, V. Pirro, A. Lucas-Hahn, J. Heinzmann, K.-G. Haderl, U. Baulain, P. Aldag, U. Meyer, M. Piechotta, G. Jahreis, S. Dänicke, R.G. Cooks, and H. Niemann. 2016. Effects of long-term dietary supplementation with conjugated linoleic acid on bovine oocyte lipid profile. *Reprod Fertil Dev* 28:1326-1339.
- Groeneveld, E., and H. Lichtenberg. 2016. The SNPpit - A High Performance Database System for Managing Large Scale SNP Data. *PLoS one* 11:e0164043.
- Guinat, C., A. Gogin, S. Blome, G. Keil, R. Pollin, D.U. Pfeiffer, and L. Dixon. 2016. Transmission routes of African swine fever virus to domestic pigs: current knowledge and future research directions. *Vet Rec* 178:262-267.
- Gwida, M., M. El-Ashker, F. Melzer, M. El-Diasty, M. El-Beskawy, and H. Neubauer. 2016. Use of serology and real time PCR to control an outbreak of bovine brucellosis at a dairy cattle farm in the Nile Delta region, Egypt. *Irish Vet J* 69:3.
- Habig, C., M. Beyerbach, and N. Kemper. 2016. Comparative analyses of layer males, dual purpose males and mixed sex broilers kept for fattening purposes regarding their floor space covering, weight-gain and several animal health traits. *Europ Poult Sci* 80, doi:10.1399/eps.2016.128.

Hänel, I., H. Tomaso, and H. Neubauer. 2016. *Acrobacter* - ein unterschätzter Zoonoseerreger? Bundesgesundheitsbl 59:789-794.

Haenen, O.L.M., H. Schuetze, M. Cieslak, S. Oldenburg, M.A.H. Spierenburg, I. Roozenburg-Hengst, M. Voorbergen-Laarman, M.Y. Engelsma, and N.J. Olesen. 2016. First evidence of infectious hematopoietic necrosis virus (IHNV) in the Netherlands. J Fish Dis 39:971-979.

Hagemann, J.B., U. Simnacher, D. Longbottom, M. Livingstone, J. Maile, E. Soutschek, G. Walder, K. Boden, K. Sachse, and A. Essig. 2016. Analysis of the Humoral Immune Response against Surface and Virulence-Associated *Chlamydia abortus* Proteins in Ovine and Human Abortion Using a Newly Developed Line Immunoassay. J Clin Microbiol 54:1883-1890.

Hall, R., and S. Schwarz. 2016. Resistance gene naming and numbering: is it a new gene or not? J Antimicrob Chemother 71:569-571.

Hall, R., and S. Schwarz. 2016. Resistance gene naming and numbering: is it a new gene or not? - authors' response. J Antimicrob Chemother 71:1743.

Hall, R., and S. Schwarz. 2016. Resistance gene naming and numbering: is it a new gene or not? - authors' response. J Antimicrob Chemother 71:2678.

Hamm, K., S.A. Barth, S. Stalb, L. Geue, E. Liebler-Tenorio, J.P. Teifke, E. Lange, K. Tauscher, G. Kotterba, M. Bielaszewska, H. Karch, and C. Menge. 2016. Experimental Infection of Calves with *Escherichia coli* O104:H4 outbreak strain. Sci Rep 6:32812.

Hanke, D., C.M. Freuling, S. Fischer, K. Hueffer, K. Hundertmark, S. Nadin-Davis, D. Marston, A.R. Fooks, A. Bøtner, T.C. Mettenleiter, M. Beer, T.B. Rasmussen, T.F. Müller, and D. Höper. 2016. Spatio-temporal Analysis of the Genetic Diversity of Arctic Rabies Viruses and Their Reservoir Hosts in Greenland. PLoS Negl Trop Dis 10:e0004779.

Hanon, J.-B., V. Vandenberghe, M. Deruelle, I. De Leeuw, K. De Clercq, S. Van Borm, F. Koenen, L. Liu, B. Hoffmann, C.A. Batten, S. Zientara, E. Breard, and Y. Van der Stede. 2015. Inter-laboratory evaluation of the performance parameters of a Lateral Flow Test device for the detection of Bluetongue virus-specific antibodies. J Virol Methods 228:140-150.

Hanschke, N., M. Kankofer, L. Ruda, M. Höltershinken, U. Meyer, J. Frank, S. Dänicke, and J. Rehage. 2016. The effect of conjugated linoleic acid supplements on oxidative and antioxidative status of dairy cows. J Dairy Sci 99:8090-8102.

Harder, T.C., S. Buda, H. Hengel, M. Beer, and T.C. Mettenleiter. 2016. Poultry food products - a source of avian influenza virus transmission to humans? Clin Microbiol Infect 22:141-146.

Harder, T., J. Stech, E.M. Abdelwhab, J. Veits, F.J. Conraths, M. Beer, and T.C. Mettenleiter. 2016. A pallid rainbow: toward improved understanding of avian influenza biology. Future Virol 11:429-437.

Harr, B., E. Karakoc, R. Neme, M. Teschke, C. Pfeifle, Z. Pezer, H. Babiker, M. Linnenbrink, I. Montero, R. Scavetta, M.R. Abai, M.P. Molins, M. Schlegel, R.G. Ulrich, J. Altmüller, M. Franitza, A. Büntge, S. Künzel, and D. Tautz. 2016. Genomic resources for wild populations of the house mouse, *Mus musculus* and its close relative *Mus spretus*. Sci Data 3:160075.

Harris, L.G., S. Murray, B. Pascoe, J. Bray, G. Meric, L. Magerios, T.S. Wilkinson, R. Jeeves, H. Rohde, S. Schwarz, H. de Lencastre, M. Miragaia, J. Rolo, R. Bowden, K.A. Jolley, M.C.J. Maiden, D. Mack, and S.K. Sheppard. 2016. Biofilm Morphotypes and Population Structure among *Staphylococcus epidermidis* from Commensal and Clinical Samples. PLoS one 11:e0151240.

He, T., Y. Shen, S. Schwarz, J. Cai, Y. Lv, J. Li, A.T. Febler, R. Zhang, C. Wu, J. Shen, and Y. Wang. 2016. Genetic environment of the transferable oxazolidinone/phenicol resistance gene *optrA* in *Enterococcus faecalis* isolates of human and animal origin. J Antimicrob Chemother 71:1466-1473.

Heidrich, C.G., S. Mitova, A. Schedlbauer, S.R. Connell, P. Fucini, J.N. Steenbergen, and C. Berens. 2016. The Novel Aminomethylcycline Omadacycline Has High Specificity for the Primary Tetracycline-Binding Site on the Bacterial Ribosome. *Antibiotics* 5:32.

Heller, M., N. Gicheru, G. Tjipura-Zaire, C. Muriuki, M. Yu, A. Botelho, J. Naessens, J. Jores, and A. Liljander. 2016. Development of a novel cocktail ELISA and a field-applicable lateral flow rapid test for diagnosis of contagious bovine pleuropneumonia. *J Clin Microbiol* 54:1557-1565.

Henritzi, D., N. Zhao, E. Starick, G. Simon, J.S. Krog, L.E. Larsen, S.M. Reid, I.H. Brown, C. Chiapponi, E. Foni, S. Wacheck, P. Schmid, M. Beer, B. Hoffmann, and T.C. Harder. 2016. Rapid detection and subtyping of European swine influenza viruses in porcine clinical samples by hemagglutinin- and neuraminidase-specific tetra- and triplex real-time RT-PCRs. *Influenza Other Respir Viruses* 10:504-517.

Hesse, M., A. Stamm, R. Weber, G. Glünder, and A. Berndt. 2016. Immune response of turkey poults exposed at 1 day of age to either attenuated or wild *Salmonella* strains. *Vet Immunol Immunopathol* 174:1-10.

Hölzer, M., K. Laroucau, H. Huot Creasy, S. Ott, F. Vorimore, P.M. Bavoil, M. Marz, and K. Sachse. 2016. Whole-Genome Sequence of *Chlamydia gallinacea* Type Strain 08-1274/3. *Genome Announcements* 4:e00708-16.

Hoenen, T. 2016. Sequencing of Ebola Virus Genomes Using Nanopore Technology. *bio-protocol* 6(21):1-9.

Hoenen, T., A. Groseth, K. Rosenke, R.J. Fischer, A. Hoenen, S.D. Judson, C. Martellaro, D. Falzarano, A. Marzi, R.B. Squires, K.R. Wollenberg, E. de Wit, J. Prescott, D. Safronetz, N. van Doremalen, T. Bushmaker, F. Feldmann, K. McNally, F.K. Bolay, B. Fields, T. Sealy, M. Rayfield, S.T. Nichol, K.C. Zoon, M. Massaquoi, V.J. Munster, and H. Feldmann. 2016. Nanopore Sequencing as a Rapidly Deployable Ebola Outbreak Tool. *Emerg Infect Dis* 22:331-334.

Hoenen, T., A. Groseth, D. Safronetz, K. Wollenberg, and H. Feldmann. 2016. Response to Comment on „Mutation rate and genotype variation of Ebola virus from Mali case sequences“. *Science* 353:658-b.

Höper, D., T.C. Mettenleiter, and M. Beer. 2016. Metagenomic approaches to identifying infectious agents. *Rev Sci Tech O.I.E.* 35:83-93.

Hoffmann, B., D. Hoffmann, D. Henritzi, M. Beer, and T.C. Harder. 2016. Riems influenza a typing array (RITA): An RT-qPCR-based low density array for subtyping avian and mammalian influenza a viruses. *Sci Rep* 6:27211.

Hoffmann, O.I., A. Kerekes, N. Lipták, L. Hiripi, S. Bodo, G. Szaloki, S. Klein, Z. Ivics, W.A. Kues, and Z. Bosze. 2016. Transposon-Based Reporter Marking Provides Functional Evidence for Intercellular Bridges in the Male Germline of Rabbits. *PLoS one* 11:e0154489.

Hollerbach, S., A. Wellmann, P. Meier, J. Ryan, R. Franco, and P. Koehler. 2016. The EndoRotor®: endoscopic mucosal resection system for non-thermal and rapid removal of esophageal, gastric, and colonic lesions: initial experience in live animals. *Endosc Int Open* 4:E475-E479.

Hoza, A.S., A.M. Lupindu, S.G.M. Mfinanga, I. Moser, and B. König. 2016. The role of nontuberculous mycobacteria in the diagnosis, management and quantifying risks of tuberculosis in Tanga, Tanzania. *Tanzan J Health Res* 18(2):1-9.

Hoza, A.S., S.G. Mfinanga, I. Moser, and B. König. 2016. Molecular characterization of *Mycobacterium tuberculosis* isolates from Tanga, Tanzania: First insight of MIRU-VNTR and microarray-based spoligotyping in a high burden country. *Tuberculosis* 98:116-124.

- Hoza, A.S., S.G.M. Mfinanga, A.C.Rodloff, I. Moser, and B. König. 2016. Increased isolation of nontuberculous mycobacteria among TB suspects in Northeastern Tanzania: public health and diagnostic implications for control programmes. *BMC Res Notes* **9**:109.
- Huber, K., S. Dänicke, J. Rehage, H. Sauerwein, W. Otto, U. Rolle-Kampczyk, and M. von Bergen. 2016. Metabotypes with properly functioning mitochondria and anti-inflammation predict extended productive life span in dairy cows. *Sci Rep* **6**:24642.
- Hüther, L., J. Hartwiger, C. Drong, U. Meyer, and S. Dänicke. 2017. Simultaneous Determination of Tryptophan, Kynurenine and Niacin in Serum of Periparturient Dairy Cows by High-Performance Liquid Chromatography with Diode Array Detection. *J Vet Sci Med Diag* **5**:6.
- Isaksson, J., L.G. Vaulet, L. Christerson, A. Ruettinger, K. Sachse, C. Entrocassi, E. Castro, M.R. Fermepin, and B. Herrmann. 2016. Comparison of multilocus sequence typing and multilocus typing microarray of *Chlamydia trachomatis* strains from Argentina and Chile. *J Microbiol Meth* **127**:41-51.
- Jackson, E.L., A. Waret-Szkuta, D. Raboisson, J. Niemi, M. Aragrande, J. Gethmann, S.B. Martins, D. Höreth-Böntgen, P. Sans, K.D. Stärk, B. Häsler, and J. Rushton. 2016. Europe Needs Consistent Teaching of the Economics of Animal Health. *EuroChoices* **15**(2):42-49.
- Jansen, F., N. Kley, I. Semmler, M.H. Groschup, S. Ludwig, and S.C. Semler. 2016. The German Research Platform for Zoonoses - One Health, One Research Community. *One Health* **2**:155-156.
- Janßen, S., C. Wunderlich, M. Heppelmann, R. Palme, A. Starke, W. Kehler, A. Steiner, A. Rizk, U. Meyer, S. Dänicke, and J. Rehage. 2016. *Short communication*: Pilot study on hormonal, metabolic, and behavioral stress response to treatment of claw horn lesions in acutely lame dairy cows. *J Dairy Sci* **99**:7481-7488.
- Jordan, I., K. John, K. Höwing, V. Lohr, Z. Penzes, E. Gubucz-Sombor, Y. Fu, P. Gao, T. Harder, Z. Zádori, and V. Sandig. 2016. Continuous cell lines from the muscovy duck as potential replacement for primary cells in the production of avian vaccines. *Avian Pathol* **45**:137-155.
- Julich, S., H. Hotzel, C. Gärtner, D. Trouchet, M.F. El Metwaly Ahmed, N. Kemper, and H. Tomaso. 2016. Evaluation of a microfluidic chip system for preparation of bacterial DNA from swabs, air, and surface water samples. *Biologicals* **44**:574-580.
- Kadlec, K., S. Weiß, S. Wendlandt, S. Schwarz, and W. Tonpitak. 2016. Characterization of canine and feline methicillin-resistant *Staphylococcus pseudintermedius* (MRSP) from Thailand. *Vet Microbiol* **194**:93-97.
- Kahlert, S., S. Junnikkala, L. Renner, U. Hynönen, R. Hartig, C. Nossol, A. Barta-Böszörményi, S. Dänicke, W.-B. Souffrant, A. Palva, H.-J. Rothkötter, and J. Kluess. 2016. Physiological Concentration of Exogenous Lactate Reduces Antimycin A Triggered Oxidative Stress in Intestinal Epithelial Cell Line IPEC-1 and IPEC-J2 *In Vitro*. *PLoS one* **11**:e0153135.
- Kameke, D., D. Werner, B. Hoffmann, W. Lutz, and H. Kampen. 2016. Schmallenberg virus in Germany 2011-2014: searching for the vectors. *Parasitol Res* **115**:527-534.
- Kampen, H., S. Jansen, J. Schmidt-Chanasit, and D. Walther. 2016. Indoor development of *Aedes aegypti* in Germany, 2016. *Eurosurveillance* **21**(47):7-9.
- Kampen, H., C. Kuhlisch, A. Fröhlich, D.E. Scheuch, and D. Walther. 2016. Occurrence and Spread of the Invasive Asian Bush Mosquito *Aedes japonicus japonicus* (Diptera: Culicidae) in West and North Germany since Detection in 2012 and 2013, Respectively. *PLoS one* **11**:e0167948.
- Kampen, H., M. Schäfer, D.E. Zielke, and D. Walther. 2016. The *Anopheles maculipennis* complex (Diptera: Culicidae) in Germany: an update following recent monitoring activities. *Parasitol Res* **115**:3281-3294.

Karamendin, K., A. Kydyrmanov, A. Seidalina, S. Asanova, K. Daulbayeva, Y. Kasymbekov, E. Khan, S. Fereidouni, E. Starick, K. Zhumatov, and M. Sayatov. 2016. Circulation of avian paramyxoviruses in wild birds of Kazakhstan in 2002-2013. *Virology J* 13:23.

Karger, A. 2016. Current developments to use linear MALDI-TOF spectra for the identification and typing of bacteria and the characterization of other cells/organisms related to infectious diseases. *Proteom Clin App* 10:982-993.

Kattlun, J., S. Menanteau-Ledouble, M. Gotesman, A. Abd-Elfattah, K. Way, H. Soliman, S. Bergmann, and M. El-Matbouli. 2016. Immunogenic potential of a membrane protein encoded by the viral gene located at ORF 81 of Cyprinid Herpesvirus-3. *Wiener Tierärztl Monatsschr* 103:58-67.

Kaufmann, E., C. Spohr, S. Battenfeld, D. De Paepe, T. Holzhauser, E. Balks, S. Homolka, N. Reiling, M. Gilleron, and M. Bastian. 2016. BCG Vaccination Induces Robust CD4⁺ T Cell Responses to *Mycobacterium tuberculosis* Complex-Specific Lipopeptides in Guinea Pigs. *J Immunol* 196:2723-2732.

Kenéz, Á., S. Dänicke, U. Rolle-Kampczyk, M. von Bergen, and K. Huber. 2016. A metabolomics approach to characterize phenotypes of metabolic transition from late pregnancy to early lactation in dairy cows. *Metabolomics* 12:165.

Kerber, R., R. Krumkamp, B. Diallo, A. Jaeger, M. Rudolf, S. Lanini, J.A. Bore, F.R. Koundouno, B. Becker-Ziaja, E. Fleischmann, K. Stoecker, S. Meschi, S. Mély, E.N.C. Newman, F. Carletti, J. Portmann, M. Korva, S. Wolff, P. Molkenhain, Z. Kis, A. Kelterbaum, A. Bocquin, T. Strecker, A. Fizet, C. Castilletti, G. Schudt, L. Ottowell, A. Kurth, B. Atkinson, M. Badusche, A. Cannas, E. Pallasch, A. Bosworth, C. Yue, B. Pályi, H. Ellerbrok, C. Kohl, L. Ostereich, C.H. Logue, A. Lüdtke, M. Richter, D. Ngabo, B. Borremans, D. Becker, S. Gryseels, S. Abdellati, T. Vermoesen, E. Kuisma, A. Kraus, B. Liedigk, P. Maes, R. Thom, S. Duraffour, S. Diederich, J. Hinzmann, B. Afrough, J. Repits, M. Mertens, I. Vitoriano, A. Bah, A. Sachse, J.P. Boettcher, S. Wurr, S. Bockholt, A. Nitsche, T. Avšič Županc, M. Strasser, G. Ippolito, S. Becker, H. Raoul, M.W. Carroll, H. De Clerck, M. Van Herp, A. Sprecher, L. Koivogui, N. Magassouba, S. Keïta, P. Drury, C. Gurry, P. Formenty, J. May, M. Gabriel, R. Wölfel, S. Günther, and A. Di Caro. 2016. Analysis of Diagnostic Findings From the European Mobile Laboratory in Guéckédou, Guinea, March 2014 Through March 2015. *J Infect Dis* 214 (Suppl. 3):S250-S256.

Kinoshita, A., A. Kenéz, L. Locher, U. Meyer, S. Dänicke, J. Rehage, and K. Huber. 2016. Insulin Signaling in Liver and Adipose Tissues in Periparturient Dairy Cows Supplemented with Dietary Nicotinic Acid. *PLoS one* 11:e0147028.

Kinoshita, A., L. Locher, R. Tienken, U. Meyer, S. Dänicke, J. Rehage, and K. Huber. 2016. Associations between Forkhead Box 01 (Fox01) Expression and Indicators of Hepatic Glucose Production in Transition Dairy Cows Supplemented with Dietary Nicotinic Acid. *PLoS one* 11:e0146670.

Kjaer, J.B., and L. Phi-van. 2016. Evidence for the Association of a Deleted Variant in the 5'-Flanking Region of the Chicken *serotonin transporter* (5-HTT) Gene with a Temporary Increase in Feed Intake and Growth Rate. *Animals* 6:63.

Klaus, C., J. Gethmann, B. Hoffmann, U. Ziegler, M. Heller, and M. Beer. 2016. Tick infestation in birds and prevalence of pathogens in ticks collected from different places in Germany. *Parasitol Res* 115:2729-2740.

Klaus, C., D. Hoffmann, B. Hoffmann, and M. Beer. 2016. Frühsommer-Meningoenzephalitis-Virus-Infektionen bei Tieren - Klinik, Diagnostik und epidemiologische Bedeutung. *Berl Münch Tierärztl Wschr* 129, doi:10.2376/0005-9366-16062.

Kluess, J.W., S. Kahlert, J. Krüger, H.-J. Rothkötter, A. Berk, S. Kersten, and S. Dänicke. 2016. Postweaning development of porcine small intestinal morphology and epithelial cell proliferation. *J Anim Sci* 94:416-422.

Koher, A., H.H.K. Lentz, P. Hövel, and I.M. Sokolov. 2016. Infections on Temporal Networks - A Matrix-Based Approach. *PLoS one* 11:e0151209.

Korytář, T., M. Nipkow, S. Altmann, T. Goldammer, B. Köllner, and A. Rebl. 2016. Adverse Husbandry of Maraena Whitefish Directs the Immune System to Increase Mobilization of Myeloid Cells and Proinflammatory Responses. *Front Microbiol* 7:631.

Krähling, V., D. Becker, C. Rohde, M. Eickmann, Y. Eroğlu, A. Herwig, R. Kerber, K. Kowalski, J. Vergara-Alert, S. Becker, the European Mobile Laboratory consortium¹. 2016. Development of an antibody capture ELISA using inactivated Ebola Zaire Makona virus. *Med Microbiol Immunol* 205:173-183.

Krause, E.T. 2016. Colour Cues That Are Not Directly Attached to the Body of Males Do Not Influence the Mate Choice of Zebra Finches. *PLoS one* 11:e0167674.

Krause, E.T., and B.A. Caspers. 2016. Long-term consequences of early nutritional conditions on the behaviour and growth of fire salamanders. *Amphibia-Reptilia* 37:69-77.

Krause, E.T., and T. Ruploh. 2016. Captive domesticated zebra finches (*Taeniopygia guttata*) have increased plasma corticosterone concentrations in the absence of bathing water. *Appl Anim Behav* 182:80-85.

Krause, E.T., and L. Schrader. 2016. Intra-specific variation in nest-site preferences of Zebra Finches: do height and cover matter? *Emu Austral Ornithology* 116:333-339.

Krause, E.T., L. Schrader, and B.A. Caspers. 2016. Olfaction in chicken (*Gallus gallus*): A neglected mode of social communication? *Front Ecol Evol* 4:94.

Küntzel, A., S. Fischer, A. Bergmann, P. Oertel, M. Steffens, P. Trefz, W. Miekisch, J.K. Schubert, P. Reinhold, and H. Köhler. 2016. Effects of biological and methodological factors on volatile organic compound patterns during cultural growth of *Mycobacterium avium* ssp. *paratuberculosis*. *J Breath Res* 10:037103.

Lamadé, W., M. Béchu, E. Lauzana, P. Köhler, S. Klein, T. Tuncer, N.I.H. Rashid, E. Kahle, B. Erdmann, and U. Meyding-Lamadé. 2016. The weepy nerve - different sensitivity of left and right recurrent laryngeal nerves under tensile stress in a porcine model. *Langenbeck Arch Surg* 401:983-990.

Larsen, J., M. Stegger, P.S. Andersen, A. Petersen, A.R. Larsen, H. Westh, Y. Agersø, A. Fetsch, B. Kraushaar, A. Käsbohrer, A.T. Feßler, S. Schwarz, C. Cuny, W. Witte, P. Butaye, O. Denis, M. Haenni, J.-Y. Madec, E. Jouy, F. Laurent, A. Battisti, A. Franco, P. Alba, C. Mamma, A. Pantosti, M. Monaco, J.A. Wagenaar, E. de Boer, E. van Duijkeren, M. Heck, L. Domínguez, C. Torres, M. Zarazaga, L.B. Price, and R.L. Skov. 2016. Evidence for Human Adaptation and Foodborne Transmission of Livestock-Associated Methicillin-Resistant *Staphylococcus aureus*. *Clin Infect Dis* 63:1349-1353.

Laubenthal, L., M. Hoelker, J. Frahm, S. Dänicke, K. Gerlach, K.-H. Südekum, H. Sauerwein, and S. Häussler. 2016. *Short communication*: Telomere lengths in different tissues of dairy cows during early and late lactation. *J Dairy Sci* 99:4881-4885.

Laubenthal, L., M. Hoelker, J. Frahm, S. Dänicke, K. Gerlach, K.-H. Südekum, H. Sauerwein, and S. Häussler. 2016. Mitochondrial DNA copy number and biogenesis in different tissues of early- and late-lactating dairy cows. *J Dairy Sci* 99:1571-1583.

¹ incl. Diederich, S.

- Leban-Danzl, A., K. Hartmann, M. Majzoub-Altweck, W. Hermanns, C. Sauter-Louis, and J. Hein. 2016. Sensitivity of liver parameters in diagnosing liver diseases in rabbits. *Berl Münch Tierärztl Wschr* **129**:518-526.
- Lebl, K., H.H.K. Lentz, B. Pinior, and T. Selhorst. 2016. Impact of Network Activity on the Spread of Infectious Diseases through the German Pig Trade Network. *Front Vet Sci* **3**:48.
- Legnani, S., N. Pantchev, A. Forlani, E. Zini, G. Schares, J. Balzer, P. Roccabianca, F. Ferri, and G. Zanna. 2015. Emergence of cutaneous neosporosis in a dog receiving immunosuppressive therapy: molecular identification and management. *Vet Dermatol* **27**:49-e14.
- Lentz, H.H.K., A. Koher, P. Hövel, J. Gethmann, C. Sauter-Louis, T. Selhorst, and F.J. Conraths. 2016. Disease Spread through Animal Movements: A Static and Temporal Network Analysis of Pig Trade in Germany. *PLoS one* **11**:e0155196.
- Lewis, N.S., C.A. Russell, P. Langat, T.K. Anderson, K. Berger, F. Bielejec, D.F. Burke, G. Dudas, J.M. Fonville, R.A.M. Fouchier, P. Kellam, B.F. Koel, P. Lemey, T. Nguyen, B. Nuansrichy, J.S.M. Peiris, T. Saito, G. Simon, E. Skepner, N. Takemae, ESNIP3 consortium, R.J. Webby, K. Van Reeth, S.M. Brookes, L. Larsen, S.J. Watson, I.H. Brown, and A.L. Vincent. 2016. The global antigenic diversity of swine influenza A viruses. *eLIFE* **5**:e12217.
- Li, D., Y. Wang, S. Schwarz, J. Cai, R. Fan, J. Li, A.T. Feßler, R. Zhang, C. Wu, and J. Shen. 2016. Co-location of the oxazolidinone resistance genes *optrA* and *cfr* on a multiresistance plasmid from *Staphylococcus sciuri*. *J Antimicrob Chemother* **71**:1474-1478.
- Li, J., A.T. Feßler, N. Jiang, R. Fan, Y. Wang, C. Wu, J. Shen, and S. Schwarz. 2016. Molecular basis of rifampicin resistance in multiresistant porcine livestock-associated MRSA. *J Antimicrob Chemother* **71**:3313-3315.
- Li, J., W. Guo, B. Kaltenboeck, K. Sachse, Y. Yang, G. Lu, J. Zhang, L. Luan, J. You, K. Huang, H. Qiu, Y. Wang, M. Li, Z. Yang, and C. Wang. 2016. *C. pecorum* is the endemic intestinal species in cattle while *C. gallinacea*, *C. psittaci* and *C. pneumoniae* associate with sporadic systemic infection. *Vet Microbiol* **193**:93-99.
- Lieboldt, M.A., J. Frahm, I. Halle, S. Görs, L. Schrader, S. Weigend, R. Preisinger, C.C. Metges, G. Breves, and S. Dänicke. 2016. Metabolic and clinical response to *Escherichia coli* lipopolysaccharide in layer pullets of different genetic backgrounds supplied with graded dietary L-arginine. *Poultry Sci* **95**:595-611.
- Lieboldt, M.-A., I. Halle, J. Frahm, L. Schrader, S. Weigend, R. Preisinger, G. Breves, and S. Dänicke. 2016. Effects of Graded Dietary L-arginine Supply on Organ Growth in Four Genetically Diverse Layer Lines during Rearing Period. *J Poult Sci* **53**:136-148.
- Lieboldt, M.-A., I. Halle, J. Frahm, L. Schrader, S. Weigend, R. Preisinger, and S. Dänicke. 2016. Effects of Long-term Graded L-Arginine Supply on Growth Development, Egg Laying and Egg Quality in Four Genetically Diverse Purebred Layer Lines. *J Poult Sci* **53**:8-21.
- Liermann, W., A. Berk, V. Bösch, and S. Dänicke. 2016. Effects of diets differing in protein source and technical treatment on digestibility, performance and visceral and biochemical parameters of fattening pigs. *Arch Anim Nutr* **70**:190-208.
- Linder, M., J. Höche, N. Denzin, H. Schirrmeier, L. Haas, and W. Gaede. 2016. Einfluss einer inaktivierten und eines Lebendimpfstoffes auf Höhe und Stabilität des BVDV-Antikörpertiters sowie den Schutz vor fetaler Infektion - eine Feldstudie. *Berl Münch Tierärztl Wschr* **129**:473-483.
- Lohr, M., A. Prohl, C. Ostermann, R. Diller, G. Greub, and P. Reinhold. 2016. Effect of *parachlamydia acanthamoebae* on pulmonary function parameters in a bovine respiratory model. *Vet J* **213**:9-15.

- Loncaric, I., C. Beiglböck, A.T. Feßler, A. Posautz, R. Rosengarten, C. Walzer, R. Ehricht, S. Monecke, S. Schwarz, J. Spergser, and A. Kübber-Heiss. 2016. Characterization of ESBL- and AmpC-Producing and Fluoroquinolone-Resistant *Enterobacteriaceae* Isolated from Mouflons (*Ovis orientalis musimon*) in Austria and Germany. *PLoS one* **11**:e01555786.
- Loncaric, I., F. Künzel, A. Klang, R. Wagner, T. Licka, T. Grunert, A.T. Feßler, D. Geier-Dömling, R. Rosengarten, E. Müller, A. Reissig, J. Spergser, S. Schwarz, R. Ehricht, and S. Monecke. 2016. Carriage of meticillin-resistant staphylococci between humans and animals on a small farm. *Vet Dermatol* **27**:191-e48.
- Lopes, G.V., G.B. Michael, M. Cardoso, and S. Schwarz. 2016. Antimicrobial resistance and class 1 integron-associated gene cassettes in *Salmonella enterica* serovar Typhimurium isolated from pigs at slaughter and abattoir environment. *Vet Microbiol* **194**:84-92.
- Ludes-Wehrmeister, E., C. Dupke, T.C. Harder, W. Baumgärtner, L. Haas, J. Teilmann, R. Dietz, L.F. Jensen, and U. Siebert. 2015. Phocine distemper virus (PDV) seroprevalence as predictor for future outbreaks in harbour seals. *Vet Microbiol* **183**:43-49.
- Ludlow, M., J. Kortekaas, C. Herden, B. Hoffmann, D. Tappe, C. Trebst, D.E. Griffin, H.E. Brindle, T. Solomon, A.S. Brown, D. van Riel, K.C. Wolthers, D. Pajkrt, P. Wohlsein, B.E.E. Martina, W. Baumgärtner, G.M. Verjans, and A.D.M.E. Osterhaus. 2016. Neurotropic virus infections as the cause of immediate and delayed neuropathology. *Acta Neuropathol* **131**:159-184.
- Lühken, R., J.M. Gethmann, P. Kranz, P. Steffenhagen, C. Staubach, F.J. Conraths, and E. Kiel. 2016. Comparison of single- and multi-scale models for the prediction of the *Culicoides* biting midge distribution in Germany. *Geospat Health* **11**(405):119-129.
- Lulla, V., A. Lulla, K. Wernike, A. Aebischer, M. Beer, and P. Roy. 2016. Assembly of replication-incompetent African horse sickness virus particles: rational design of vaccines for all serotypes. *J Virol* **90**:7405-14.
- Lutz, V., J.B. Kjaer, H. Iffland, M. Rodehutschord, W. Bessei, and J. Bennewitz. 2016. Quantitative genetic analysis of causal relationships among feather pecking, feather eating, and general locomotor activity in laying hens using structural equation models. *Poultry Sci* **95**:1757-1763.
- Maksimov, P., C. Hermosilla, S. Kleinertz, J. Hirzmann, and A. Taubert. 2016. *Besnoitia besnoiti* infections activate primary bovine endothelial cells and promote PMN adhesion and NET formation under physiological flow condition. *Parasitol Res* **115**:1991-2001.
- Martin, B., T. Hoenen, B. Canard, and E. Decroly. 2016. Filovirus proteins for antiviral drug discovery: A structure/function analysis of surface glycoproteins and virus entry. *Antiviral Res* **135**:1-14.
- Mattern, F., D. Herrmann, J. Heinzmann, K.-G. Haderler, S. Bernal-Ulloa, T. Haaf, and H. Niemann. 2016. DNA methylation and mRNA expression of developmentally important genes in bovine oocytes collected from donors of different age categories. *Mol Reprod Dev* **83**:802-814.
- Maueröder, C., R.A. Chaurio, T. Dumych, M. Podolska, M.D. Lootsik, S. Culemann, R.P. Friedrich, R. Bilyy, C. Alexiou, G. Schett, C. Berens, M. Herrmann, and L.E. Munoz. 2016. A blast without power - cell death induced by the tuberculosis-necrotizing toxin fails to elicit adequate immune responses. *Cell Death Diff* **23**:1016-1025.
- Mayboroda, O., A. Gonzalez Benito, J. Sabaté del Rio, M. Svobodova, S. Julich, H. Tomaso, C.K. O'Sullivan, and I. Katakis. 2016. Isothermal solid-phase amplification system for detection of *Yersinia pestis*. *Anal Bioanal Chem* **408**:671-676.
- Mayrhofer, R., J. Pucher, M. Saleh, S. Menanteau-Ledouble, S. Bergmann, U. Focken, and M. El-Matbouli. 2016. First Detection of Cyprinid Herpesvirus 3 in Cultured Common Carp in Vietnam. *Fish Pathol* **51**:28-31.

- McCarthy, S.D.S., B. Majchrzak-Kita, T. Racine, H.N. Kozlowski, D.P. Baker, T. Hoenen, G.P. Kobinger, E.N. Fish, and D.R. Branch. 2016. A Rapid Screening Assay Identifies Monotherapy with Interferon- β and Combination Therapies with Nucleoside Analogs as Effective Inhibitors of Ebola Virus. *PLoS Neglect Trop Dis* 10:e0004364.
- Mertens, M., I. Schuster, M.A. Sas, Z. Vatansever, Z. Hubalek, E. Güven, A. Deniz, G. Georgiev, R. Peshev, and M.H. Groschup. 2016. Crimean-Congo Hemorrhagic Fever Virus in Bulgaria and Turkey. *Vector-Borne Zoonotic Dis* 16:619-623.
- Mettenleiter, T.C. 2016. Breaching the Barrier - The Nuclear Envelope in Virus Infection. *J Mol Biol* 428:1949-1961.
- Mettenleiter, T.C. 2016. Vesicular Nucleo-Cytoplasmic Transport - Herpesviruses as Pioneers in Cell Biology. *Viruses* 8:266.
- Meydan, H., C.P. Jang, M.A. Yildiz, and S. Weigend. 2016. Maternal origin of Turkish and Iranian Native Chickens inferred from Mitochondrial DNA D-Loop Sequences. *Asian-Australas J Anim Sci* 29:1547-1554.
- Michael, G.B., and S. Schwarz. 2016. Antimicrobial resistance in zoonotic nontyphoidal *Salmonella*: An alarming trend? *Clin Microbiol Infect* 22:968-974.
- Möhl, B.S., C. Schröter, B.G. Klupp, W. Fuchs, T.C. Mettenleiter, T.S. Jardetzky, and R. Longnecker. 2016. Comparative Mutagenesis of Pseudorabies Virus and Epstein-Barr Virus gH Identifies a Structural Determinant within Domain III of gH Required for Surface Expression and Entry Function. *J Virol* 90:2285-2293.
- Monaghan, S.J., K.D. Thompson, J.E. Bron, S.M. Bergmann, T.S. Jung, T. Aoki, K.F. Muir, M. Dauber, S. Reiche, D. Chee, S.M. Chong, J. Chen, and A. Adams. 2016. Expression of immunogenic structural proteins of cyprinid herpesvirus 3 in vitro assessed using immunofluorescence. *Vet Res* 47:8.
- Monecke, S., D. Gavier-Widén, H. Hotzel, M. Peters, S. Guenther, A. Lazaris, I. Loncaric, E. Müller, A. Reissig, A. Ruppelt-Lorz, A.C. Shore, B. Walter, D.C. Coleman, and R. Ehrlich. 2016. Diversity of *Staphylococcus aureus* Isolates in European Wildlife. *PLoS one* 11:e0168433.
- Moré, G., A. Maksimov, F.J. Conraths, and G. Schares. 2016. Molecular identification of *Sarcocystis* spp. in foxes (*Vulpes vulpes*) and raccoon dogs (*Nyctereutes procyonoides*) from Germany. *Vat Parasitol* 220:9-14.
- Moreira, É.A., A. Weber, H. Bolte, L. Kolesnikova, S. Giese, S. Lakdawala, M. Beer, G. Zimmer, A. García-Sastre, M. Schwemmler, and M. Juozapaitis. 2016. A conserved influenza A virus nucleoprotein code controls specific viral genome packaging. *Nat Commun* 7:12861.
- Morovic, M., M. Murin, F. Strejcek, M. Benc, D. Paál, O. Østrup, H. Niemann, L. Pendovski, and J. Laurincik. 2016. The influence of interspecies somatic cell nuclear transfer on epigenetic enzymes transcription in early embryos. *Mac Vet Rev* 39:209-217.
- Mostafa, A., E.M. Abdelwhab, H. Slanina, M.A. Hussein, I. Kuznetsova, C.G. Schüttler, J. Ziebuhr, and S. Pleschka. 2016. Phylogenetic analysis of human influenza A/H3N2 viruses isolated in 2015 in Germany indicates significant genetic divergence from vaccine strains. *Arch Virol* 161:1505-1515.
- Mukherjee, A., W. Garrels, T.R. Talluri, D. Tiedemann, Z. Bösze, Z. Ivics, and W.A. Kues. 2016. Expression of Active Fluorophore Proteins in the Milk of Transgenic Pigs Bypassing the Secretory Pathway. *Sci Rep* 6:24464.
- Muzyka, D., M. Pantin-Jackwood, E. Starick, and S. Fereidouni. 2016. Evidence for genetic variation of Eurasian avian influenza viruses of subtype H15: the first report of an H15N7 virus. *Arch Virol* 161:605-612.

- Nadeem, M., I. Spitzbarth, V. Haist, K. Rohn, K. Tauscher, K. Rohn, A. Bossers, J. Langeveld, P. Papasavva-Stylianou, M.H. Groschup, W. Baumgärtner, I. Gerhauser, and C. Fast.** 2016. Immunolabelling of non-phosphorylated neurofilament indicates damage of spinal cord axons in TSE-infected goats. *Vet Rec* **178**:141.
- Nadkarni, A., J.A. Burns, A. Gandolfi, M.A. Chowdhury, L. Cartularo, C. Berens, N.E. Geacintov, and D.A. Scicchitano.** 2016. Nucleotide Excision Repair and Transcription-coupled DNA Repair Abrogate the Impact of DNA Damage on Transcription. *J Biol Chem* **291**:848-861.
- Naguib, M.M., E.M. Abdelwhab, and T.C. Harder.** 2016. Evolutionary features of influenza A/H5N1 virus populations in Egypt: poultry and human health implications. *Arch Virol* **161**:1963-1967.
- Naguib, M.M., N. Hagag, A.A. El-Sanousi, H.A. Hussein, and A.-S. Arafa.** 2016. The matrix gene of influenza A H5n1 in Egypt, 2006-2016: molecular insights and distribution of amantadine-resistant variants. *Virus Genes* **52**:872-876.
- Naguib, M.M., D. Höper, A.-S. Arafa, A.M. Setta, M. Abed, I. Monne, M. Beer, and T.C. Harder.** 2016. Full genome sequence analysis of a newly emerged QX-like infectious bronchitis virus from Sudan reveals distinct spots of recombination. *Infect Genet Evol* **46**:42-49.
- Nelson, E.A., A.B. Barnes, R.D. Wiehle, G.K. Fontenot, T. Hoenen, and J.M. White.** 2016. Clomiphene and Its Isomers Block Ebola Virus Particle Entry and Infection with Similar Potency: Potential Therapeutic Implications. *Viruses* **8**:206.
- Nelson, E.V., K.M. Schmidt, L.R. Deflubé, S. Doğanay, L. Banadyga, J. Olejnik, A.J. Hume, E. Rybchikova, H. Ebihara, N. Kedersha, T. Ha, and E. Mühlberger.** 2016. Ebola virus does not induce stress granule formation during infection and sequesters stress granule proteins within viral inclusions. *J Virol* **90**:7268-7284.
- Neumann, P., J.S. Pettis, and M.O. Schäfer.** 2016. Quo vadis *Aethina tumida*? Biology and control of small hive beetle. *Apidologie* **47**:427-466.
- Neumann, S., S.S. Hackl, M. Piepenschneider, A. Vina-Rodriguez, P. Dremsek, R.G. Ulrich, M.H. Groschup, and M. Eiden.** 2016. Serologic and Molecular Survey of Hepatitis E Virus in German Deer Populations. *J Wildl Dis* **52**:106-113.
- Nguyen, T.N.M., H. Hotzel, H. El-Adawy, H.T. Tran, M.T.H. Le, H. Tomaso, H. Neubauer, and H.M. Hafez.** 2016. Genotyping and antibiotic resistance of thermophilic *Campylobacter* isolated from chicken and pig meat in Vietnam. *Gut Pathog* **8**:19.
- Nguyen, T.N.M., H. Hotzel, J. Njeru, J. Mwituria, H. El-Adawy, H. Tomaso, H. Neubauer, and H.M. Hafez.** 2016. Antimicrobial resistance of *Campylobacter* isolates from small scale and backyard chicken in Kenya. *Gut Pathog* **8**:39.
- Niedermeyer, S., M. Eiden, P. Toumazos, P. Papasavva-Stylianou, I. Ioannou, T. Sklaviadis, C. Panagiotidis, J. Langeveld, A. Bossers, T. Kuczius, M. Kaatz, M.H. Groschup, and C. Fast.** 2016. Genetic, histochemical and biochemical studies on goat TSE cases from Cyprus. *Vet Res* **47**:99.
- Niemann, H.** 2016. Epigenetic reprogramming in mammalian species after SCNT-based cloning. *Theriogenology* **86**:80-90.
- Niemann, H., R. Fries, and E. Tholen.** 2016. Stellungnahme der Deutschen Gesellschaft für Züchtungskunde zu Chancen und Risiken des Gen-Editings bei Nutztieren. *Züchtungskunde* **88**:161-166.
- Niemann, H., and B. Petersen.** 2016. The production of multi-transgenic pigs: update and perspectives for xenotransplantation. *Transgenic Res* **25**:361-374.
- Niemann, H., and B. Petersen.** 2016. Chancen und Risiken neuer Züchtungstechniken bei landwirtschaftlichen Nutztieren. *Züchtungskunde* **88**:19-31.

- Njeru, J., K. Henning, M.W. Pletz, R. Heller, C. Forstner, S. Kariuki, E.M. Fèvre, and H. Neubauer. 2016. Febrile patients admitted to remote hospitals in Northeastern Kenya: seroprevalence, risk factors and a clinical prediction tool for Q-Fever. *BMC Infect Dis* **16**:244.
- Njeru, J., K. Henning, M.W. Pletz, R. Heller, and H. Neubauer. 2016. Q fever is an old and neglected zoonotic disease in Kenya: a systematic review. *BMC Public Health* **16**:297.
- Njeru, J., F. Melzer, G. Wareth, H. El-Adawy, K. Henning, M.W. Pletz, R. Heller, S. Kariuki, E. Fèvre, and H. Neubauer. 2016. Human Brucellosis in Febrile Patients Seeking Treatment at Remote Hospitals, Northeastern Kenya, 2014-2015. *Emerg Infect Dis* **22**:2160-2164.
- Njeru, J., G. Wareth, F. Melzer, K. Henning, M.W. Pletz, R. Heller, and H. Neubauer. 2016. Systemic review of brucellosis in Kenya: disease frequency in humans and animals and risk factors for human infection. *BMC Public Health* **16**:853.
- Nolden, T., F. Pfaff, S. Nemitz, C.M. Freuling, D. Höper, T. Müller, and S. Finke. 2016. Reverse genetics in high throughput: rapid generation of complete negative strand RNA virus cDNA clones and recombinant viruses thereof. *Sci Rep* **6**:23887.
- Obersteller, S., H. Neubauer, R.M. Hagen, and H. Frickmann. 2016. Comparison of five commercial nucleic acid extraction kits for the PCR-based detection of *Burkholderia pseudomallei* DNA in formalin-fixed, paraffin-embedded tissues. *Eur J Microbiol Immunol* **6**:244-252.
- Ojo, O.E., S. Schwarz, and G.B. Michael. 2016. Detection and characterization of extended-spectrum β -lactamase-producing *Escherichia coli* from chicken production chains in Nigeria. *Vet Microbiol* **194**:62-68.
- Oksanen, A., M. Siles-Lucas, J. Karamon, A. Possenti, F.J. Conraths, T. Romig, P. Wysocki, A. Mannocci, D. Mipatrini, G. La Torre, B. Boufana, and A. Casulli. 2016. The geographical distribution and prevalence of *Echinococcus multilocularis* in animals in the European Union and adjacent countries: a systematic review and meta-analysis. *Parasite Vector* **9**:519.
- Olarte-Castillo, X.A., H. Hofer, K.V. Goller, V. Martella, P.D. Moehmann, and M.L. East. 2016. Divergent Sapovirus Strains and Infection Prevalence in Wild Carnivores in the Serengeti Ecosystem: A Long-Term Study. *PLoS one* **11**:e0163548.
- Olbert, M., A. Römer-Oberdörfer, C. Herden, S. Malberg, S. Runge, P. Staeheli, and D. Rubbenstroth. 2016. Viral vector vaccines expressing nucleoprotein and phosphoprotein genes of avian bornaviruses ameliorate homologous challenge infections in cockatiels and common canaries. *Sci Rep* **6**:36840.
- Oļševskis, E., V. Guberti, M. Seržants, J. Westergaard, C. Gallardo, I. Rodze, and K. Depner. 2016. African swine fever virus introduction into the EU in 2014: Experience of Latvia. *Res Vet Sci* **105**:28-30.
- Opsteegh, M., M. Maas, G. Schares, and J. van der Giessen on behalf of the consortium. 2016. Relationship between seroprevalence in the main livestock species and presence of *Toxoplasma gondii* in meat in meat (GP/EFSA/BIOHAZ/2013/01) - An extensive literature review. Final report. EFSA Supporting Publication 13(2):1-294; doi:10.2903/sp.efsa.2016.EN-996.
- Opsteegh, M., G. Schares, R. Blaga, and J. van der Giessen on behalf of the consortium. 2016. Experimental studies on *Toxoplasma gondii* in the main livestock species (GP/EFSA/BIOHAZ/2013/01) - An extensive literature review. Final report. EFSA Supporting Publication 13(2):1-161; doi:10.2903/sp.efsa.2016.EN-995.
- Ostermann, M.F., H. Neubauer, H. Frickmann, and R.M. Hagen. 2016. Correlation of *rpsU* gene sequence clusters and biochemical properties, GC-MS spectra and resistance profiles of clinical *Burkholderia* spp. isolates. *Eur J Microbiol Immunol* **6**:25-39.

Peters, S., A. Kronseder, S. Karrasch, P.A. Neff, M. Haaks, A.R. Koczulla, P. Reinhold, D. Nowak, and R.A. Jörres. 2016. Hydrogen peroxide in exhaled air: a source of error, a paradox and its resolution. *Eur Respir J* 2:00052-2015.

Petersen, B., A. Frenzel, A. Lucas-Hahn, D. Herrmann, P. Hassel, S. Klein, M. Ziegler, K.-G. Hader, and H. Niemann. 2016. Efficient production of biallelic *GGTA1* knockout pigs by cytoplasmic microinjection of CRISPR/Cas9 into zygotes. *Xenotransplantation* 23:338-346.

Petkov, S., S. Glage, M. Nowak-Imialek, and H. Niemann. 2016. Long-Term Culture of Porcine Induced Pluripotent Stem-Like Cells Under Feeder-Free Conditions in the Presence of Histone Deacetylase Inhibitors. *Stem Cells Dev* 25:386-394.

Pietschmann, J., L. Mur, S. Blome, M. Beer, R. Pérez-Sánchez, A. Oleaga, and J.M. Sánchez-Vizcaíno. 2016. African swine fever virus transmission cycles in Central Europe: Evaluation of wild boar-soft tick contacts through detection of antibodies against *Ornithodoros erraticus* saliva antigen. *BMC Vet Res* 12:1.

Plotzki, E., G. Heinrichs, B. Kubícková, R.G. Ulrich, and J. Denner. 2016. Microbiological characterization of a newly established pig breed, Aachen Minipigs. *Xenotransplantation* 23:159-167.

Poen, M.J., J.H. Verhagen, R.J. Manvell, I. Brown, T.M. Bestebroer, S. van der Vliet, O. Vuong, R.D. Scheuer, H.P. van der Jeugd, B.A. Nolet, E. Kleyhaag, G.J.D.M. Müskens, F.A. Majoor, C. Grund, and R.A.M. Fouchier. 2016. Lack of virological and serological evidence for continued circulation of highly pathogenic avian influenza H5N8 virus in wild birds in the Netherlands, 14 November 2014 to 31 January 2016. *Eurosurveillance* 21(38):11-21.

Polasky, C., S. Weigend, L. Schrader, and A. Berndt. 2016. Non-specific activation of CD8 α -characterised $\gamma\delta$ T cells in PBL cultures of different chicken lines. *Vet Immunol Immunopathol* 179:1-7.

Porntrakulpipat, S., S. Supunkong, V. Putthana, S. Phommasichan, S. Phiphakhavong, S. Tipayatorn, K. Thammasar, K. Dietze, and K. Depner. 2016. Potential of Oral Vaccination against Classical Swine Fever in Backyard Pigs in Thailand and Laos PDR. *Pak Vet J* 36:103-105.

Quick, J., N.J. Loman, S. Duraffour, J.T. Simpson, E. Severi, L. Cowley, J.A. Bore, R. Koundouno, G. Dudas, A. Mikhail, N. Ouédraogo, B. Afrough, A. Bah, J.H.J. Baum, B. Becker-Ziaja, J.P. Boettcher, M. Cabeza-Cabrerizo, A. Camino-Sánchez, L.L. Carter, J. Doerrbecker, T. Enkirch, I. García-Dorival, N. Hetzelt, J. Hinzmann, T. Holm, L.E. Kafetzopoulou, M. Koropogui, A. Kosgey, E. Kuisma, C.H. Logue, A. Mazzarelli, S. Meisel, M. Mertens, J. Michel, D. Ngabo, K. Nitzsche, E. Pallasch, L.V. Patrono, J. Portmann, J.G. Repits, N.Y. Rickett, A. Sachse, K. Singethan, I. Vitoriano, R.L. Yemanaberhan, E.G. Zekeng, T. Racine, A. Bello, A.A. Sall, O. Faye, O. Faye, N. Magassouba, C.V. Williams, V. Amburgey, L. Winona, E. Davis, J. Gerlach, F. Washington, V. Monteil, M. Jourdain, M. Bererd, A. Camara, H. Somlare, A. Camara, M. Gerard, G. Bado, B. Baillet, D. Delaune, K.Y. Nebie, A. Diarra, Y. Savane, R.B. Pallawo, G.J. Gutierrez, N. Milhano, I. Roger, C.J. Williams, F. Yattara, K. Lewandowski, J. Taylor, P. Rachwal, D.J. Turner, G. Pollakis, J.A. Hiscox, D.A. Matthews, M.K. O'Shea, A. McD. Johnston, D. Wilson, E. Hutley, E. Smit, A. Di Caro, R. Wölfel, K. Stoecker, E. Fleischmann, M. Gabriel, S.A. Weller, L. Koivogui, B. Diallo, S. Keïta, A. Rambaut, P. Formenty, S. Günther, and M.S. Carroll. 2016. Real-time, portable genome sequencing for Ebola surveillance. *Nature* 530:228-232.

Radomski, N., R. Einkenkel, A. Müller, and M.R. Knittler. 2016. Chlamydia-host cell interaction not only from a bird's eye view: some lessons from *Chlamydia psittaci*. *FEBS Lett* 590:3920-3940.

Ramm, R., H. Niemann, B. Petersen, A. Haverich, and A. Hilfiker. 2016. Decellularized *GGTA1*-KO pig heart valves do not bind preformed human xenoantibodies. *Basic Res Cardiol* 111:39.

Raschka, C., L. Ruda, P. Wenning, C.-I. von Stemm, C. Pfarrer, K. Huber, U. Meyer, S. Dänicke, and J. Rehage. 2016. In vivo determination of subcutaneous and abdominal adipose tissue depots in German Holstein dairy cattle. *J Anim Sci* 94:2821-2834.

- Rataj, D., S. Werwitzke, B. Haarmeijer, M. Winkler, W. Ramackers, B. Petersen, H. Niemann, A. Wunsch, A. Bähr, N. Klymiuk, E. Wolf, J.-M. Abicht, D. Ayares, and A. Tiede. 2016. Inhibition of complement component C5 prevents clotting in an ex vivo model of xenogeneic activation of coagulation. *Xenotransplantation* 23:117-127.
- Rath, D., C. Knorr, and U. Taylor. 2015. Communication requested: Boar Semen Transport Through the Uterus and Possible Consequences for Insemination. *Theriogenology* 85:94-104.
- Reichmann, F., A. Pfitzner, G. Rademacher, E. Schwedinger, K. Cussler, and C.M. Sauter-Louis. 2016. Incidence of bovine neonatal pancytopenia in 243 farms in Germany. *BMC Vet Res* 12:220.
- Reid, E., N. Juleff, M. Windsor, S. Gubbins, L. Roberts, S. Morgan, G. Meyers, E. Perez-Martin, E. Tchilian, B. Charleston, and J. Seago. 2016. Type I and III IFNs Produced by Plasmacytoid Dendritic Cells in Response to a Member of the *Flaviviridae* Suppress Cellular Immune Responses. *J Immunol* 196:4214-4226.
- Reil, D., C. Imholt, S. Drewes, R.G. Ulrich, J.A. Eccard, and J. Jacob. 2015. Environmental conditions in favour of a hantavirus outbreak in 2015 in Germany. *Zoonoses Publ Health* 63:83-88.
- Rennert, K., P. Otto, H. Funke, O. Huber, H. Tomaso, and A.S. Mosig. 2016. A human macrophage - hepatocyte co-culture model for comparative studies of infection and replication of *Francisella tularensis* LVS strain and subspecies *holarctica* and *mediasiatica*. *BMC Microbiology* 16:2.
- Requena, J.R., K. Kristensson, C. Korth, C. Zurzolo, M. Simmons, P. Aguilar-Calvo, A. Aguzzi, O. Andreoletti, S.L. Benestad, R. Böhm, K. Brown, B. Calgua, J.A. del Rio, J.C. Espinosa, R. Girones, S. Godsave, L.E. Hoelzle, M.R. Knittler, F. Kuhn, G. Legname, P. Laeven, N. Mabbott, E. Mitrova, A. Müller-Schiffmann, M. Nuvolone, P.J. Peters, A. Raeber, K. Roth, M. Schmitz, B. Schroeder, T. Sonati, L. Stitz, A. Taraboulos, J.M. Torres, Z.-X. Yan, and I. Zerr. 2016. The Priority position paper: protecting Europe's food chain from prions. *Prion* 10:165-181.
- Reuter, A., M. Horie, D. Höper, A. Ohnemus, A. Narr, M. Rinder, M. Beer, P. Staeheli, and D. Rubbenstroth. 2016. Synergistic antiviral activity of Ribavirin and interferon- α against parrot bornaviruses in avian cells. *J Gen Virol* 97:2096-2103.
- Riesenberg, A., H. Kaspar, A.T. Feßler, C. Werckenthin, and S. Schwarz. 2016. Susceptibility testing of *Rhodococcus equi*: An interlaboratory test. *Vet Microbiol* 194:30-35.
- Roberts, M.C., and S. Schwarz. 2016. Tetracycline and Phenicol Resistance Genes and Mechanisms: Importance for Agriculture, the Environment, and Humans. *J Environ Qual* 45:576-592.
- Roman-Sosa, G., E. Brocchi, H. Schirrmeyer, K. Wernike, C. Schelp, and M. Beer. 2016. Analysis of the humoral immune response against the envelope glycoprotein Gc of Schmallenberg virus reveals a domain located at the amino terminus targeted by mAbs with neutralizing activity. *J Gen Virol* 97:571-580.
- Rosenke, K., J. Adjemian, V.J. Munster, A. Marzi, D. Falzarano, C.O. Onyango, M. Ochieng, B. Juma, R.J. Fischer, J.B. Prescott, D. Safronetz, V. Omballa, C. Owuor, T. Hoenen, A. Groseth, C. Martellaro, N. van Doremalen, G. Zemtsova, J. Self, T. Bushmaker, K. McNally, T. Rowe, S.L. Emery, F. Feldmann, B.N. Williamson, S.M. Best, T.G. Nyenswah, A. Grolla, J.E. Strong, G. Kobinger, F.K. Bolay, K.C. Zoon, J. Stassijns, R. Giuliani, M. de Smet, S.T. Nichol, B. Fields, A. Sprecher, M. Massaquoi, H. Feldmann, and E. de Wit. 2016. Plasmodium Parasitemia Associated With Increased Survival in Ebola Virus-Infected Patients. *Clin Infect Dis* 63:1026-1033.
- Ruibal, P., L. Oestereich, A. Lüdtke, B. Becker-Ziaja, D.M. Wozniak, R. Kerber, M. Korva, M. Cabeza-Cabrerizo, J.A. Bore, F.R. Koundouno, S. Duraffour, R. Weller, A. Thorenz, E. Cimini, D. Viola, C. Agrati, J. Repits, B. Afrough, L.A. Cowley, D. Ngabo, J. Hinzmann, M. Mertens, I. Vitoriano, C.H. Logue, J.P. Boettcher, E. Pallasch, A. Sachse, A. Bah, K. Nitzsche, E. Kuisma, J. Michel, T. Holm, E.-G. Zekeng, I. García-Dorival, R. Wölfel, K. Stoecker, E. Fleischmann, T. Strecker, A. Di Caro, T. Avšič-Županc, A. Kurth, S. Meschi, S. Mély, E. Newman, A. Bocquin, Z. Kis,

- A. Kelterbaum, P. Molkenthin, F. Carletti, J. Portmann, S. Wolff, C. Castilletti, G. Schudt, A. Fizet, L.J. Ottowell, E. Herker, T. Jacobs, B. Kretschmer, E. Severi, N. Ouedraogo, M. Lago, A. Negredo, L. Franco, P. Anda, S. Schmiedel, B. Kreuels, D. Wichmann, M.M. Addo, A.W. Lohse, H. De Clerck, C. Nanclares, S. Jonckheere, M. Van Herp, A. Sprecher, G. Xiaojiang, M. Carrington, O. Miranda, C.M. Castro, M. Gabriel, P. Drury, P. Formenty, B. Diallo, L. Koivogui, N. Magassouba, M.W. Carroll, S. Günther, and C. Muñoz-Fontela. 2016. Unique human immune signature of Ebola virus disease in Guinea. *Nature* **533**:100-104.
- Samy, A.A., M.I. El-Enbaawy, A.A. El-Sanousi, S.A. Nasef, M.M. Naguib, E.M. Abdelwhab, H. Hikono, and T. Saito. 2016. Different counteracting host immune responses to clade 2.2.1.1 and 2.2.1.2 Egyptian H5N1 highly pathogenic avian influenza viruses in naive and vaccinated chickens. *Vet Microbiol* **183**:103-109.
- Sastre, P., T. Pérez, S. Costa, X. Yang, A. Räber, S. Blome, K.V. Goller, C. Gallardo, I. Tapia, J. García, A. Sanz, and P. Rueda. 2016. Development of a duplex lateral flow assay for simultaneous detection of antibodies against *African* and *Classical swine fever viruses*. *J Vet Diagn Invest* **28**:543-549.
- Schären, M., S. Jostmeier, S. Ruesink, L. Hüther, J. Frahm, M. Bulang, U. Meyer, J. Rehage, J. Isselstein, G. Breves, and S. Dänicke. 2016. The effects of a ration change from a total mixed ration to pasture on health and production of dairy cows. *J Dairy Sci* **99**:1183-1200.
- Schären, M., G.M. Seyfang, H. Steingass, K. Dieho, J. Dijkstra, L. Hüther, J. Frahm, A. Beineke, D. von Soosten, U. Meyer, G. Breves, and S. Dänicke. 2016. The effects of a ration change from a total mixed ration to pasture on rumen fermentation, volatile fatty acid absorption characteristics, and morphology of dairy cows. *J Dairy Sci* **99**:3549-3565.
- Schares, G., M. Ziller, D.C. Herrmann, M.V. Globokar, N. Pantchev, and F.J. Conraths. 2016. Seasonality in the proportions of domestic cats shedding *Toxoplasma gondii* or *Hammondia hammondi* oocysts is associated with climatic factors. *Int J Parasitol* **46**:263-273.
- Schemmerer, M., S. Apelt, E. Trojnar, R.G. Ulrich, J.J. Wenzel, and R. Johne. 2016. Enhanced Replication of Hepatitis E Virus Strain 47832c in an A549-Derived Subclonal Cell Line. *Viruses* **8**:267.
- Schinköthe, J., H. Köhler, and E.M. Liebler-Tenorio. 2016. Characterization of tuberculous granulomas in different stages of progression and associated tertiary lymphoid tissue in goats experimentally infected with *Mycobacterium avium* subsp. *hominissuis*. *Comp Immunol Microbiol Infect Dis* **47**:41-51.
- Schinköthe, J., P. Möbius, H. Köhler, and E.M. Liebler-Tenorio. 2016. Experimental Infection of Goats with *Mycobacterium avium* subsp. *hominissuis*: a Model for Comparative Tuberculosis Research. *J Comp Pathol* **155**:218-230.
- Schlottau, K., C. Schulze, S. Bilk, D. Hanke, D. Höper, M. Beer, and B. Hoffmann. 2016. Detection of a Novel Bovine Astrovirus in a Cow with Encephalitis. *Transbound Emerg Dis* **63**:253-259.
- Schmid, T., L. Gaede, K. Böttcher, G. Bräuer, D. Fichtner, R. Beckmann, S. Speck, F. Becker, and U. Truyen. 2016. Efficacy assessment of three inactivated koi herpes virus antigen preparations against experimental challenge virus infection in common carp. *J Fish Dis* **39**:1007-1013.
- Schmidt, K.M., and E. Mühlberger. 2016. Marburg Virus Reverse Genetics System. *Viruses* **8**:178.
- Schmidt, S., M. Saxenhofer, S. Drewes, M. Schlegel, K.M. Wanka, R. Frank, S. Klimpel, F. von Blanckenhagen, D. Maaz, C. Herden, J. Freise, R. Wolf, M. Stubbe, P. Borkenhagen, H. Ansoerge, J.A. Eccard, J. Lang, E. Jourdain, J. Jacob, P. Marianneau, G. Heckel, and R.G. Ulrich. 2016. High genetic structuring of Tula hantavirus. *Arch Virol* **161**:1135-1149.

- Schnee, M., A.B. Vogel, D. Voss, B. Petsch, P. Baumhof, T. Kramps, and L. Stitz. 2016. An mRNA Vaccine Encoding Rabies Virus Glycoprotein Induces Protection against Lethal Infection in Mice and Correlates of Protection in Adult and Newborn Pigs. *PLoS Negl Trop Dis* **10**:e0004746.
- Schröder, C., C. Dräger, A. Aebischer, L. Dähnert, C. Breidenstein, S. Mamerow, S. Leidenberger, M. Beer, and S. Blome. 2016. Kinetics of maternally derived antibodies upon intramuscular vaccination against classical swine fever with Suvaxyn® CSF Marker (CP7_E2alf). *Vet Microbiol* **196**:14-17.
- Schrödl, W., R. Büchler, S. Wendler, P. Reinhold, P. Muckova, J. Reindl, and H. Rhode. 2016. Acute phase proteins as promising biomarkers: Perspectives and limitations for human and veterinary medicine. *Proteom Clin App* **10**:1077-1092.
- Schröter, C., M. Vallbracht, J. Altenschmidt, S. Kargoll, W. Fuchs, B.G. Klupp, and T.C. Mettenleiter. 2016. Mutations in Pseudorabies Virus Glycoproteins gB, gD, and gH Functionally Compensate for the Absence of gL. *J Virol* **90**:2264-2272.
- Schulz, C., E. Bréard, C. Sailleau, M. Jenckel, C. Viarouge, D. Vitour, M. Palmarini, M. Gallois, D. Höper, B. Hoffmann, M. Beer, and S. Zientara. 2016. Bluetongue virus serotype 27: Detection and characterization of two novel variants in Corsica, France. *J Gen Virol* **97**:2073-2083.
- Schulz, K., C. Calba, M. Peyre, C. Staubach, and F.J. Conraths. 2016. Hunters' acceptability of the surveillance system and alternative surveillance strategies for classical swine fever in wild boar - a participatory approach. *BMC Vet Res* **12**:187.
- Schulze-Luehrmann, J., R.A. Eckart, M. Ölke, P. Saftig, E. Liebler-Tenorio, and A. Lührmann. 2016. LAMP proteins account for the maturation delay during the establishment of the Coxiella burnetii-containing vacuole. *Cell Microbiol* **18**:181-194.
- Schumann, B., J. Winkler, N. Mickenautsch, T. Warnken, and S. Dänicke. 2016. Effects of deoxynivalenol (DON), zearalenone (ZEN), and related metabolites on equine peripheral blood mononuclear cells (PBMC) in vitro and background occurrence of these toxins in horses. *Mycotoxin Res* **32**:153-161.
- Schuster, I., M. Mertens, B. Köllner, T. Korytář, M. Keller, B. Hammerschmidt, T. Müller, N. Tordo, P. Marianneau, C. Mroz, M. Rissmann, E. Stroh, L. Dähnert, F. Hammerschmidt, R.G. Ulrich, and M.H. Groschup. 2016. A competitive ELISA for species-independent detection of Crimean-Congo hemorrhagic fever virus specific antibodies. *Antiviral Res* **134**:161-166.
- Schuster, I., M. Mertens, S. Mrenoshki, C. Staubach, C. Mertens, F. Brüning, K. Wernike, S. Hechinger, K. Berxholi, D. Mitrov, and M.H. Groschup. 2016. Sheep and goats as indicator animals for the circulation of CCHFV in the environment. *Exp Appl Acarol* **68**:337-346.
- Schwarz, S., V.I. Enne, and E. van Duijkeren. 2016. 40 years of veterinary papers in *JAC* - what have we learnt? *J Antimicrob Chemother* **71**:2681-2690.
- Schwarz, S., and A.P. Johnson. 2016. Transferable resistance to colistin: a new but old threat. *J Antimicrob Chemother* **71**:2066-2070.
- Schwarz, S., J. Shen, K. Kadlec, Y. Wang, G.B. Michael, A.T. Feßler, and B. Vester. 2016. Lincosamides, Streptogramins, Phenicol, and Pleuromutilins: Mode of Action and Mechanisms of Resistance. *CSH Perspect Med* **6**:a027037.
- Seehusen, F., S.A. Al-Azreg, B.B. Raddatz, V. Haist, C. Puff, I. Spitzbarth, R. Ulrich, and W. Baumgärtner. 2016. Accumulation of Extracellular Matrix in Advanced Lesions of Canine Distemper Demyelinating Encephalitis. *PLoS one* **11**:e0159752.
- Semmler, T., E.M. Harrison, A. Lübke-Becker, R.G. Ulrich, L.H. Wieler, S. Guenther, I. Stamm, S.-M. Hanssen, M.A. Holmes, S. Vincze, and B. Walther. 2016. A Look into the Melting Pot: The *mecC*-Harboring Region Is a Recombination Hot Spot in *Staphylococcus stepanovicii*. *PLoS one* **11**:e0147150.

Shalaby, M.A., A. El-Deeb, M. El-Tholoth, D. Hoffmann, C.-P. Czerny, F.T. Hufert, M. Weidmann, and A. Abd El Wahed. 2016. Recombinase polymerase amplification assay for rapid detection of lumpy skin disease virus. *BMC Vet Res* 12:244.

Shore, A.C., A. Lazaris, P.M. Kinnevey, O.M. Brennan, G.I. Brennan, B. O'Connell, A.T. Feßler, S. Schwarz, and D.C. Coleman. 2016. First Report of *cfr*-Encoding Plasmids in the Pandemic Sequence Type (ST) 22 Methicillin-Resistant *Staphylococcus aureus* Staphylococcal Cassette Chromosome *mec* Type-IV Clone. *Antimicrob Agents Chemother* 60:3007-3015.

Siqueira, A.K., G.B. Michael, D.F. Domingos, M.M.G. Ferraz, M.G. Ribeiro, S. Schwarz, and D.S. Leite. 2016. Diversity of class 1 and 2 integrons detected in *Escherichia coli* isolates from diseased and apparently healthy dogs. *Vet Microbiol* 194:79-83.

Sirotkin, A.V., A.H. Harrath, and R. Grossmann. 2016. The role of metabolic state and obestatin in control of chicken ovarian hormone release. *Poultry Sci* 95:1939-1942.

Sirotkin, A.V., A.H. Harrath, and R. Grossmann. 2016. Comparison of the effects of human and chicken ghrelin on chicken ovarian hormone release. *Com Biochem Physiol B* 201:59-63.

Sirotkin, A.V., M. Mészárosová, A.H. Harrath, and R. Grossmann. 2016. Obestatin directly controls chicken ovarian cell functions. *J Biol Regul Homeost Agents* 30:665-674.

Sissoko, D., C. Laouenan, E. Folkesson, A.-B. M'Lebing, A.-H. Beavogui, S. Baize, A.-M. Camara, P. Maes, S. Shepherd, C. Danel, S. Carazo, M.N. Conde, J.-L. Gala, G. Colin, H. Savini, J.A. Bore, F. Le Marcis, F.R. Koundouno, F. Petitjean, M.-C. Lamah, S. Diederich, A. Tounkara, G. Poelart, E. Berbain, J.-M. Dindart, S. Duraffour, A. Lefevre, T. Leno, O. Peyrouset, L. Irengé, N. Bangoura, R. Pallich, J. Hinzmann, A. Kraus, T.S. Barry, S. Berette, A. Bongono, M.S. Camara, V. Chanfreau Munoz, L. Doumbouya, S. Harouna, P.M. Kighoma, F.R. Koundouno, R. Lolamou, C.M. Loua, V. Massala, K. Moumouni, C. Provost, N. Samake, C. Sekou, A. Soumah, I. Arnould, M.S. Komano, L. Gustin, C. Berutto, D. Camara, F.S. Camara, J. Colpaert, L. Delamou, L. Jansson, E. Kourouma, M. Loua, K. Malme, E. Manfrin, A. Maomou, A. Milinouno, S. Ombelet, A.Y. Sidiboun, I. Verreckt, P. Yombouno, A. Bocquin, C. Carbonnelle, T. Carmoi, P. Frange, S. Mely, V.-K. Nguyen, D. Pannetier, A.-M. Taburet, J.-M. Treluyer, J. Kolie, R. Moh, M. Cervantes Gonzalez, E. Kuisma, B. Liedigk, D. Ngabo, M. Rudolf, R. Thom, R. Kerber, M. Gabriel, A. Di Caro, R. Wölfel, J. Badir, M. Bentahir, Y. Deccache, Catherine Dumont, J.-F. Durant, K. El Bakkouri, M. Gasasira Uwamahoro, B. Smits, N. Toufik, S. Van Cauwenberghe, K. Ezzedine, E. Dortenzio, L. Pizarro, A. Etienne, J. Guedj, A. Fizet, E. Barte de Sainte Fare, B. Murgue, T. Tran-Minh, C. Rapp, P. Piguët, M. Poncin, B. Draguez, T. Allaford Duverger, S. Barbe, G. Baret, I. Defourny, M. Carroll, H. Raoul, A. Augier, S.P. Eholie, Y. Yazdanpanah, C. Levy-Marchal, A. Antierrens, M. Van Herp, S. Günther, X. De Lamballerie, S. Keïta, F. Mentre, X. Anglaret, D. Malvy, and JKI Study Group. 2016. Experimental Treatment with Favipiravir for Ebola Virus Disease (the JIKI Trial): A Historically Controlled, Single-Arm Proof-of-Concept Trial in Guinea. *PLoS Med* 13:e1001967.

Skurnik, D., O. Clermont, T. Guillard, A. Launay, O. Danilchanka, S. Pons, L. Diancourt, F. Lebreton, K. Kadlec, D. Roux, D. Jiang, S. Dion, H. Achard, M. Denamur, C. Cywes-Bentley, S. Schwarz, O. Tenaillon, A. Andremont, B. Picard, J. Mekalanos, S. Brisse, and E. Denamur. 2015. Emergence of Antimicrobial Resistant *Escherichia coli* of Animal Origin Spreading in Humans. *Mol Biol Evol* 33:898-914.

Smith, D.B., P. Becher, J. Bukh, E.A. Gould, G. Meyers, T. Monath, A.S. Muerhoff, A. Pletnev, R. Rico-Hesse, J.T. Stapleton, and P. Simmonds. 2016. Proposed update to the taxonomy of the genera *Hepacivirus* and *Pegivirus* with the *Flaviviridae* family. *J Gen Virol* 97:2894-2907.

Smith, D.B., P. Simmonds, J. Izopet, E.F. Oliveira-Filho, R.G. Ulrich, R. Johne, M. Koenig, S. Jameel, T.J. Harrison, X.-J. Meng, H. Okamoto, W.H.M. van der Poel, and M.A. Purdy. 2016. Proposed reference sequences for Hepatitis E virus subtypes. *J Gen Virol* 97:537-542.

Sobotta, K., K. Hillarius, M. Mager, K. Kerner, C. Heydel, and C. Menge. 2016. *Coxiella burnetii* infects bovine macrophages and limits their host cell response. *Infect Immun* 84:1722-1734.

Sonnenburg, J., K. Schulz, S. Blome, and C. Staubach. 2016. The challenge of detecting classical swine fever virus circulation in wild boar: simulation of sampling options. *J Wildl Dis* **52**:828-836.

von Soosten, D., U. Meyer, L. Hüther, S. Dänicke, M. Lahrssen-Wiederholt, H. Schafft, M. Spolders, and G. Breves. 2016. Excretion pathways and ruminal disappearance of glyphosate and its degradation product aminomethylphosphonic acid in dairy cows. *J Dairy Sci* **99**:5318-5324.

Spehar-Délèze, A.-M., S. Julich, R. Gransee, H. Tomaso, S.B. Dulay, and C.K. O'Sullivan. 2016. Electrochemiluminescence (ECL) immunosensor for detection of *Francisella tularensis* on screen-printed gold electrode array. *Anal Bioanal Chem* **408**:7147-7153.

Sterner-Kock, A., W. Haider, F. Sacchini, A. Liljander, J. Meens, J. Poole, M. Guschlbauer, M. Heller, J. Naessens, and J. Jores. 2016. Morphological characterization and immunohistochemical detection of the proinflammatory cytokines IL-1 β , IL-17A, and TNF- α in lung lesions associated with contagious bovine pleuropneumonia. *Trop Anim Health Prod* **48**:569-576.

Stief, K., M.O. Schäfer, and H. Aupperle. 2016. Der Kleine Beutenkäfer auf dem Vormarsch in Europa - Das sollten Imker und Amtstierärzte wissen. *Tierärztl Umschau* **71**:320-325.

Sting, R., C. Seeh, N. Mauder, M. Maurer, I. Loncaric, B. Stessl, P. Kopp, K. Banzhaf, B. Martin, F. Melzer, A. Raßbach, and J. Spargser. 2016. Genotyping of German and Austrian *Taylorella equigenitalis* isolates using repetitive extragenic palindromic (REP) PCR and pulsed-field gel electrophoresis (PFGE). *Res Vet Sci* **109**:101-106.

Stoll, A., A. Pfitzner-Friedrich, F. Reichmann, J. Rauschendorfer, A. Roessler, G. Rademacher, G. Knubben-Schweizer, and C. Sauter-Louis. 2016. Existence of bovine neonatal pancytopenia before the year 2005? Retrospective evaluation of 215 cases of haemorrhagic diathesis in cattle. *Vet J* **216**:59-63.

Sun, L., H. Dong, Z. Zhang, J. Liu, Y. Hu, Y. Ni, R. Grossmann, and R. Zhao. 2016. Activation of epithelial proliferation induced by *Eimeria acervulina* infection in the duodenum may be associated with cholesterol metabolism. *Oncotarget* **7**:27627-27640.

Tafalla, C., E. Leal, T. Yamaguchi, and U. Fischer. 2016. T cell immunity in the teleost digestive tract. *Dev Comp Immunol* **64**:167-177.

Talker, S.C., M. Stadler, H.C. Koinig, K.H. Mair, I.M. Rodríguez-Gómez, R. Graage, R. Dürrwald, E. Starick, T. Harder, H. Weissenböck, B. Lamp, S.E. Hammer, A. Ladinig, A. Saalmüller, and W. Gerner. 2016. Influenza A virus infection in pigs attracts multifunctional and cross-reactive T cells to the lung. *J Virol* **90**:9364-9382.

Tamošiūnaitė, A., D. Hoffmann, A. Franke, J. Schluckebier, K. Tauscher, B.K. Tischer, M. Beer, R. Klopffleisch, and N. Osterrieder. 2016. Histopathological and Immunohistochemical Studies of Cowpox Virus Replication in a Three-Dimensional Skin Model. *J Comp Path* **155**:55-61.

The Global Consortium for H5N8 and Related Influenza Viruses (Lycett, S.J., R. Bodewes, A. Pohlmann, J. Banks, K. Bányai, M.F. Boni, R. Bouwstra, A.C. Breed, I.H. Brown, H. Chen, Á. Dán, T.J. DeLiberto, N. Diep, M. Gilbert, S. Hill, H.S. Ip, C.W. Ke, H. Kida, M.L. Killian, M.P. Koopmans, J.-H. Kwon, D.-H. Lee, Y.J. Lee, L. Lu, I. Monne, J. Pasick, O.G. Pybus, A. Rambaut, T.P. Robinson, Y. Sakoda, S. Zohari, C.-S. Song, D.E. Swayne, M.K. Torchetti, H.-J. Tsai, R.A.M. Fouchier, M. Beer, M. Woolhouse, and T. Kuiken). 2016. Role for migratory wild birds in the global spread of avian influenza H5N8. *Science* **354**(6309):213-217.

Thierry, S., F. Vorimore, C. Rossignol, S. Scharf, K. Sachse, P. Berthon, B. Durand, I. Viriogeux-Payant, N. Borel, and K. Laroucau. 2016. Oral Uptake of *Chlamydia psittaci* by Ducklings Results in Systemic Dissemination. *PLoS one* **11**:e0154860.

- Torrent, F., A. Villena, P.A. Lee, W. Fuchs, S.M. Bergmann, and J.M. Coll.** 2016. The amino-terminal domain of ORF149 of koi herpesvirus is preferentially targeted by IgM from carp populations surviving infection. *Arch Virol* **161**:2653-2665.
- Trillmich, F., I. Spiller, M. Naguib, and E.T. Krause.** 2016. Patient Parents: Do Offspring Decide on the Timing of Fledging in Zebra Finches? *Ethology* **122**:411-418.
- Ueberschär, K.-H., U. Brezina, and S. Dänicke.** 2016. Zearalenone (ZEN) and ZEN metabolites in feed, urine and bile of sows: Analysis, determination of the metabolic profile and evaluation of the binding forms. *Landbauforsch - Appl Agric Forestry Res* **66**:21-28.
- Uhde, A.-K., J. Kilwinski, M. Peters, J. Verspohl, A.T. Feßler, S. Schwarz, and P. Wohlsein.** 2015. Fatal nocardiosis in a dog caused by multiresistant *Nocardia veterana*. *Vet Microbiol* **183**:78-84.
- Umar, S., M.T. Munir, K. Kaboudi, A. Rehman, S. Asif, M. Usman, A. Ali, M. Shahzad, S. Subhan, and M.A.A. Shah.** 2016. Effect of route of inoculation on replication of avian influenza virus (H9N2) and interferon gene expression in guinea fowl (*Numida meleagris*). *Br Poult Sci* **57**:451-461.
- Umar, S., A. Rehman, S. Asif, M. Usman, M. Atif, S. Ali, M.T. Munir, A. Ali, M. Shahzad, and M.A.A. Shah.** 2016. Variation in viral shedding patterns between domestic and wild terrestrial birds infected experimentally with reassortant avian influenza virus (H9N2). *Avian Biol Res* **9**(3):200-206(7).
- Umar, S., A. Rehman, M. Younus, Qamar-un-Nisa, A. Ali, M. Shahzad, M.A.A. Shah, M.T. Munir, H.B. Aslam, and M. Yaqoob.** 2016. Effects of *Nigella sativa* on immune responses and pathogenesis of avian influenza (H9N2) virus in turkeys. *J Appl Poult Res* **25**:95-103.
- Valet, L.G., C. Entrocassi, A.I. Portu, E. Castro, S. Di Bartolomeo, A. Ruettger, K. Sachse, and M.R. Fermepin.** 2016. High Frequency of *Chlamydia trachomatis* Mixed Infections Detected by Microarray Assay in South American Samples. *PLoS one* **11**:e0153511.
- Vergne, T., C. Guinat, A. Petkova, A. Gogin, D. Kolbasov, S. Blome, S. Molia, J. Pinto Ferreira, B. Wieland, H. Nathues, and D.U. Pfeiffer.** 2016. Attitudes and Beliefs of Pig Farmers and Wild Boar Hunters Towards Reporting of African Swine Fever in Bulgaria, Germany and the Western Part of the Russian Federation. *Transbound Emerg Dis* **63**:e194-e204.
- Vidanović, D., M. Šekler, T. Petrović, Z. Debeljak, N. Vasković, K. Matović, and B. Hoffmann.** 2016. Real-Time PCR Assays for the Specific Detection of Field Balkan Strains of Lumpy Skin Disease Virus. *Acta Vet-Beograd* **66**:444-454.
- Vina-Rodriguez, A., M. Eiden, M. Keller, W. Hinrichs, and M.H. Groschup.** 2016. A Quantitative Real-Time RT-PCR Assay for the Detection of *Venezuelan equine encephalitis virus* Utilizing a Universal Alphavirus Control RNA. *BioMed Res Int* **2016**:8543204.
- Vissiennon, T., M. Freick, E. Kilic, T. Schmidt, S. Dänicke, M. Schmicke, and E. Schneider.** 2016. Sertoli cell tumour in a neonate calf: an unusual congenital tumour. *Tierärztl Prax* **44**(G):371-378.
- Vitenshtein, A., Y. Weisblum, S. Hauka, A. Halenius, E. Oiknine-Djian, P. Tsukerman, Y. Bauman, Y. Bar-On, N. Stern-Ginossar, J. Enk, R. Ortenberg, J. Tai, G. Markel, R.S. Blumberg, H. Hengel, S. Jonjic, D.G. Wolf, H. Adler, R. Kammerer, and O. Mandelboim.** 2016. CEACAM1-Mediated Inhibition of Virus Production. *Cell Rep* **15**:2331-2339.
- Voigt, K., P. Sieber, C. Sauter-Louis, G. Knubben-Schweizer, and M. Scheuerle.** 2016. Prevalence of pasture-associated metazoal endoparasites in Bavarian dairy goat herds and farmers' approaches to parasite control. *Berl Münch Tierärztl Wschr* **129**:323-332.
- Wanka, F., T. Cairns, S. Boecker, C. Berens, A. Happel, X. Zheng, J. Sun, S. Krappmann, and V. Meyer.** 2015. Tet-on, or Tet-off, that is the question: Advanced conditional gene expression in *Aspergillus*. *Fungal Genet Biol* **89**:72-83.

- Wareth, G., M. Eravci, C. Weise, U. Roesler, F. Melzer, L.D. Sprague, H. Neubauer, and J. Murugaiyan. 2016. Comprehensive Identification of Immunodominant Proteins of *Burcella abortus* and *Brucella melitensis* Using Antibodies in the Sera from Naturally Infected Hosts. *Int J Mol Sci* **17**:659.
- Wareth, G., F. Melzer, D. Böttcher, M. El-Diasty, M. El-Beskawy, N. Rasheed, G. Schmoock, U. Roesler, L.D. Sprague, and H. Neubauer. 2016. Molecular typing of isolates obtained from aborted foetuses in *Brucella*-free Holstein dairy cattle herd after immunisation with *Brucella abortus* RB51 vaccine in Egypt. *Acta Trop* **164**:267-271.
- Wasniewski, M., I. Almeida, A. Baur, T. Bedekovic, D. Boncea, L.B. Chaves, D. David, P. De Benedictis, M. Dobrostana, P. Giraud, P. Hostnik, I. Jaceviciene, S. Kenklies, M. König, K. Mähar, M. Mojzis, S. Moore, S. Mrenoski, T. Müller, E. Ngoepe, M. Nishimura, T. Nokireki, N. Pejovic, M. Smreczak, B. Strandbygaard, E. Wodak, and F. Cliquet. 2016. First international collaborative study to evaluate rabies antibody detection method for use in monitoring the effectiveness of oral vaccination programmes in fox and raccoon dog in Europe. *J Virol Methods* **238**:77-85.
- Weber, M., L. Locher, K. Huber, A. Kenéz, J. Rehage, R. Tienken, U. Meyer, S. Dänicke, H. Sauerwein, and M. Mielenz. 2016. Longitudinal changes in adipose tissue of dairy cows from late pregnancy to lactation. part 2: The SIRT-PPARGC1A axis and its relationship with the adiponectin system. *J Dairy Sci* **99**:1560-1570.
- Weber, M., L. Locher, K. Huber, J. Rehage, R. Tienken, U. Meyer, S. Dänicke, L. Webb, H. Sauerwein, and M. Mielenz. 2016. Longitudinal changes in adipose tissue of dairy cows from late pregnancy to lactation. part 1: The adipokines apelin and resistin and their relationship to receptors linked with lipolysis. *J Dairy Sci* **99**:1459-1559.
- Werner, D., D.E. Zielke, and H. Kampen. 2016. First record of *Aedes koreicus* (Diptera: Culicidae) in Germany. *Parasitol Res* **115**:1331-1334-
- Wernike, K., and M. Beer. 2016. Stability of Schmallenberg virus during long-term storage. *Berl Münch Tierärztl Wschr* **129**:144-146.
- Wernike, K., E. Brocchi, and M. Beer. 2016. Effective interference between Simbu serogroup orthobunyaviruses in mammalian cells. *Vet Microbiol* **196**:23-26.
- Winkler, J., J. Gödde, U. Meyer, J. Frahm, H. Westendarp, and S. Dänicke. 2016. *Fusarium* toxin-contaminated maize in diets of growing bulls: effects on performance, slaughtering characteristics, and transfer into physiological liquids. *Mycotoxin Res* **32**:127-135.
- de Wit, E., D. Falzarano, C. Onyango, K. Rosenke, A. Marzi, M. Ochieng, B. Juma, R.J. Fischer, J.B. Prescott, D. Safronetz, V. Omballa, C. Owuor, T. Hoenen, A. Groseth, N. van Doremalen, G. Zemtsova, J. Self, T. Bushmaker, K. McNally, T. Rowe, S.L. Emery, F. Feldmann, B. Williamson, T.G. Nyenswah, A. Grolla, J.E. Strong, G. Kobinger, U. Stroehrer, M. Rayfield, F.K. Bolay, K.C. Zoon, J. Stassijns, L. Tampellini, M. de Smet, S.T. Nichol, B. Fields, A. Sprecher, H. Feldmann, M. Massaquoi, and V.J. Munster. 2016. The Merits of Malaria Diagnostics during an Ebola Virus Disease Outbreak. *Emerg Infect Dis* **22**:323-326.
- de Wit, E., S. Kramer, J. Prescott, K. Rosenke, D. Falzarano, A. Marzi, R.J. Fischer, D. Safronetz, T. Hoenen, A. Groseth, N. van Doremalen, T. Bushmaker, K.L. McNally, F. Feldmann, B.N. Williamson, S.M. Best, H. Ebihara, I.A.C. Damiani, B. Adamson, K.C. Zoon, T.G. Nyenswah, F.K. Bolay, M. Massaquoi, A. Sprecher, H. Feldmann, and V.J. Munster. 2016. Clinical Chemistry of Patients with Ebola in Monrovia, Liberia. *J Infect Dis* **214**:S303-S307.
- de Wit, E., K. Rosenke, R.J. Fischer, A. Marzi, J. Prescott, T. Bushmaker, N. van Doremalen, S.L. Emery, D. Falzarano, F. Feldmann, A. Groseth, T. Hoenen, B. Juma, K.L. McNally, M. Ochieng, V. Omballa, C.D. Onyango, C. Owuor, T. Rowe, D. Safronetz, J. Self, B.N. Williamson, G. Zemtsova, A. Grolla, G. Kobinger, M. Rayfield, U. Ströher, J.E. Strong, S.M. Best, H. Ebihara, K.C. Zoon, S.T. Nichol, T.G. Nyenswah, F.K. Bolay, M. Massaquoi, H. Feldmann, and B. Fields. 2016. Ebola

Laboratory Response at the Eternal Love Winning Africa Campus, Monrovia, Liberia, 2014-2015. *J Infect Dis* **214**:S169-S176.

Wolf, S., A. Groseth, B. Meyer, D. Jackson, T. Strecker, A. Kaufmann, and S. Becker. 2016. The New World Arenavirus Tacaribe induces caspase-dependent apoptosis in infected cells. *J Gen Virol* **97**:855-866.

Yamaguchi, T., S. Miyata, F. Katakura, T. Nagasawa, Y. Shibasaki, T. Yabu, U. Fischer, C. Nakayasu, T. Nakanishi, and T. Moritomo. 2016. Recombinant carp IL-4/13B stimulates in vitro proliferation of carp IgM⁺ B cells. *Fish Shellfish Immunol* **49**:225-229.

Yamaguchi, T., S. Schares, U. Fischer, and J.M. Dijkstra. 2016. Identification of a fourth ancient member of the IL-3/IL-5/GM-CSF cytokine family, KK34, in many mammals. *Dev Comp Immunol* **65**:268-279.

Zahid, M.U., M.H. Hussain, M. Saqib, H. Neubauer, G. Abbas, I. Khan, M.K. Mansoor, M.N. Asi, T. Ahmad, and G. Muhammad. 2016. Seroprevalence of Q Fever (Coxiellosis) in Small Ruminants of Two Districts in Punjab, Pakistan. *Vector-Borne Zoonotic Dis* **16**:449-454.

Zanaty, A., M.M. Naguib, M.H. El-Husseiny, W. Mady, N. Hagag, and A.-S. Arafa. 2016. The sequence of the full spike S1 glycoprotein of infectious bronchitis virus circulating in Egypt reveals evidence of intra-genotypic recombination. *Arch Virol* **161**:3583-3587.

Zeiler, E., V. Straub, S. Moder, J. Duda, E. Vogl, D. Sprengel, A. Haberland, K.-U. Götz, M. Bechter, M. Schmaußer, and C. Sauter-Louis. 2016. Erste anonymisierte Auswertungen von Pro Gesund, dem bayerischen Gesundheitsmonitoring - Auswirkungen der Mutterschutzimpfung gegen Rota-, Coronavirus sowie *E. coli* und dem Auftreten von Kälberdurchfällen. *Tierärztl Umschau* **71**:445-453.

Zhang, R., B. Sun, Y. Wang, L. Lei, S. Schwarz, and C. Wu. 2015. Characterization of a *cfr*-carrying plasmid from porcine *Escherichia coli* that closely resembles plasmid pEA3 from the plant pathogen *Erwinia amylovora*. *Antimicrob Agents Chemother* **60**:658-661.

Ziegler, U., C. Fast, M. Eiden, S. Bock, C. Schulze, D. Hoeper, A. Ochs, P. Schlieben, M. Keller, D.E. Zielke, R. Luehken, D. Cadar, D. Walther, J. Schmidt-Chanasit, and M.H. Groschup. 2016. Evidence for an independent third Usutu virus introduction into Germany. *Vet Microbiol* **192**:60-66.

Zielke, D., D. Walther, and H. Kampen. 2016. Newly discovered population of *Aedes japonicus japonicus* (Diptera: Culicidae) in Upper Bavaria, Germany, and Salzburg, Austria, is closely related to the Austrian/Slovenian bush mosquito population. *Parasite Vector* **9**:163.

Publications in non-peer reviewed journals/Conference Proceedings

Bellof, G., I. Halle, and M. Rodehutschord. 2016. Heimische Körnerleguminosen in der Geflügelfütterung. Proteinmarkt.de 11.11.2016
[<https://www.proteinmarkt.de/gefluegel/artikel/news/heimische-koernerleguminosen-in-der-gefluegelfuetterung/>]

Bellof, G., I. Halle, and M. Rodehutschord. 2016. Ackerbohnen, Futtererbsen und Blaue Süßlupinen in der Geflügelfütterung. UFOP-Praxisinformation 08.11.2016
[http://www.ufop.de/files/8114/7859/9985/WEB_UFOP_1425_praxisinfo_bohnen_erbsen_lupinen_gefluegel_041116.pdf]

Berk, J., L. Schrader, and E.T. Krause. 2016. Haltung von Puten mit ganzen Schnäbeln - Bei den Kleinsten fängt es an. *DGS Magazin* 18/2016:25-28.

Berk, J., E. Stehle, and T. Bartels. 2016. Haltung schnabelunbehandelter Puten - Beschäftigung hält nicht immer vom Picken ab. *DGS Magazin* 39/2016:35-38.

Böttner, A., M. Fehr, A.T. Feßler, H.M. Hafez, M. Kaske, H. Kaspar, C. Kehrenberg, M. Kietzmann, D. Klarmann, G. Klein, T. Peters, A. Richter, C. Schwarz, S. Schwarz, C. Sigge, B. Stephan, K.-H. Waldmann, J. Wallmann, and C. Werckenthin. 2016. Anwendung von Antibiotika bei Klein- und Heimtieren. *Prakt Tierarzt* 97:300-328.

Depner, K., S. Blome, C. Staubach, C. Probst, A. Globig, K. Dietze, C. Sauter-Louis, and F.J. Conraths. 2016. Die Afrikanische Schweinepest - eine Habitatseuche mit häufig niedriger Kontagiosität. *Prakt Tierarzt* 97:536-544.

Duschek, F., A. Walter, L. Fellner, K. Grünwald, C. Pargmann, J. Handke, and H. Tomaso. 2016. Standoff laser-induced fluorescence of suspensions from different bacterial strains. *Proc SPIE* 9995: 99950A.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of vitamin B2 (riboflavin and riboflavin 5'-phosphate ester monosodium salt) produced by *Bacillus subtilis* for all animal species based on a dossier submitted by DSM. *EFSA J* 14:4349.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of a natural mixture of dolomite plus magnesite and magnesium-phyllsilicates (Fluidol) as feed additive for all animal species. *EFSA J* 14:4341.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of a natural mixture of illite, montmorillonite and kaolinite (Argile Verte du Velay) as a feed additive for all animal species. *EFSA J* 14:4342.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of a preparation of *Lactobacillus fermentum* NCIMB 41636, *Lactobacillus plantarum* NCIMB 41638 and *Lactobacillus rhamnosus* NCIMB 41640 as a technological feed additive for dogs. *EFSA J* 14:4340.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Amoklor (ammonium chloride) as a zootechnical additive for ruminants, cats and dogs. *EFSA J* 14:4352.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Axtra® XB 201 (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) as a feed additive for lactating sows and minor porcine species. *EFSA J* 14:4350.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of benzoic acid as a feed additive for pigs for fattening when used as acidity regulator and all animal species when used as flavouring. *EFSA J* 14:4353.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of eight compounds belonging to chemical group 31 (aliphatic and aromatic hydrocarbons) when used as flavourings for all animal species and categories. EFSA J 14:4339.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of L-arginine produced by *Corynebacterium glutamicum* KCTC 10423BP for all animal species. EFSA J 14:4345.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of methylester of conjugated linoleic acid (t10,c12 isomer) for pigs for fattening, sows and cows. EFSA J 14:4348.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Natugrain® TS (endo-1,4- β -xylanase and endo-1,4- β -glucanase) for chickens for fattening. EFSA J 14:4347.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety of L-threonine produced by fermentation using *Escherichia coli* CGMCC 3703, for all animal species based on a dossier submitted by GBT Europe GmbH. EFSA J 14:4344.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety of L-tryptophan produced by fermentation using *Escherichia coli* CGMCC 3667, for all animal species based on a dossier submitted by GBT Europe GmbH. EFSA J 14:4343.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of guanidinoacetic acid for chickens for fattening, breeder hens and roosters, and pigs. EFSA J 14:4394.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of iron compounds (E1) as feed additives for all animal species: ferrous carbonate; ferric chloride, hexahydrate; ferrous fumarate; ferrous sulphate, heptahydrate; ferrous sulphate, monohydrate; ferrous chelate of amino acids, hydrate; ferrous chelate of glycine, hydrate, based on a dossier submitted by FEFANA asbl. EFSA J 14:4396.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of manganese compounds (E5) as feed additives for all animal species: manganous carbonate; manganous chloride, tetrahydrate; manganous oxide; manganous sulphate, monohydrate; manganese chelate of amino acids, hydrate; manganese chelate of glycine, hydrate, based on a dossier submitted by FEFANA asbl. EFSA J 14:4395.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of RONOZYME® NP (6-phytase) as a feed additive for pigs for fattening. EFSA J 14:4393.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Probiomix B (*Lactobacillus plantarum* KKP/593/p and *Lactobacillus rhamnosus* KKP 825) as a feed additive for chickens for fattening. EFSA J 14:4397.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of selenium compounds (E8) as feed additives for all animal species: sodium selenite, based on a dossier submitted by Retorte GmbH Selenium Chemicals and Metals. EFSA J 14:4398.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of selenium compounds (E8) as feed additives for all animal species: Sodium selenite, based on a dossier submitted by Todini and Co SpA. EFSA J 14:4442.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of polyoxyethylene (20) sorbitan monooleate as a feed additive for all animal species. EFSA J 14:4443.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of concentrated liquid L-lysine (base), L-lysine monohydrochloride and L-lysine sulphate produced using different strains of *Corynebacterium glutamicum* for all animal species based on a dossier submitted by AMAC/EEIG. EFSA J 14:4346.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of ethyl ester of β -apo-8'-carotenoic acid as a feed additive for poultry for fattening and poultry for laying. EFSA J 14:4439.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of manganese hydroxychloride as feed additive for all animal species. EFSA J 14:4474.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety of L-tryptophan produced by fermentation with *Escherichia coli* CGMCC 7.59 for all animal species based on a dossier submitted by Feedway Europe NV. EFSA J 14:4444.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Diarr-Stop S Plus® (Na₂EDTA, tannin-rich extract of *Castanea sativa*, thyme oil and oregano oil) as a feed additive for pigs for fattening. EFSA J 14:4472.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety of Lancer (lanthanide citrate) as a zootechnical additive for weaned piglets. EFSA J 14:4477.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety of L-threonine, technically pure, produced by fermentation with *Escherichia coli* CGMCC 7.58 for all animal species based on a dossier submitted by Feedway Europe NV. EFSA J 14:4470.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety of L-lysine monohydrochloride produced by fermentation with *Escherichia coli* CGMCC 7.57 for all animal species based on a dossier submitted by Feedway Europe NV. EFSA J 14:4471.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Analysis of the need for an update of the guidance documents. EFSA J 14:4473.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of *Lactobacillus plantarum* DSM 29025 as a silage additive for all animal species. EFSA J 14:4479.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Levucell® SB (*Saccharomyces cerevisiae* CNCM I-1079) as a feed additive for weaned piglets and sows. EFSA J 14:4478.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Bactocell PA (*Pediococcus acidilactici* CNCM MA 18/5M) for pigs for fattening, minor porcine species, chickens for fattening and minor avian species. EFSA J 14:4483.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of thiazoles, thiophene and thiazoline belonging to chemical group 29 when used as flavourings for all animal species. EFSA J 14:4441.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of secondary alicyclic saturated and unsaturated alcohols, ketones, ketals and esters with ketals containing alicyclic alcohols or ketones and esters containing secondary alicyclic alcohols from chemical group 8 when used as flavourings for all animal species. EFSA J 14:4475.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of dry grape extract when used as a feed flavouring for all animal species and categories. EFSA J 14:4476.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of iron oxide black, red and yellow for all animal species. EFSA J 14:4482.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of iron compounds (E1) as feed additives for all species: ferric oxide based on a dossier submitted by Poortershaven Industriële Mineralen B.V.. EFSA J 14:4508.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of ROVABIO® SPIKY (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) as a feed additive for all major and minor poultry species. EFSA J 14:4510.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of *Bacillus subtilis* DSM 28343 as a feed additive for chickens for fattening. EFSA J 14:4507.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of inositol as nutritional additive for dogs and cats. EFSA J 14:4511.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of *Lactobacillus plantarum* NCIMB 42150 as a silage additive for all animal species. EFSA J 14:4506.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of α,β -unsaturated straight-chain and branched-chain aliphatic primary alcohols, aldehydes, acids and esters belonging to chemical group 3 when used as flavourings for all animal species. EFSA J 14:4512.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Enviva® PRO 202 GT (*Bacillus amyloliquefaciens* PTA-6507, *Bacillus amyloliquefaciens* NRRL B-50013 and *Bacillus amyloliquefaciens* NRRL B-50104) for chickens for fattening, chickens reared for laying and minor poultry species for fattening and to point of lay. EFSA J 14:4505.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of dicopper oxide as feed additive for all animal species. EFSA J 14:4509.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of BIOSTRONG® 510 (essential oil of thyme and star anise) for chickens and minor avian species for fattening and rearing to point of lay. EFSA J 14:4351.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Revision of the currently authorised maximum copper content in complete feed. EFSA J 14:4563.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of lecithins for all animal species. EFSA J 14:4561.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of lecithins (Lipidol) for all animal species. EFSA J 14:4560.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of non-conjugated and accumulated unsaturated straight-chain and branched-chain, aliphatic primary alcohols, aldehydes, acids, acetals and esters belonging to chemical group 4 when used as flavourings for all animal species. EFSA J 14:4559.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of aromatic ketones, secondary alcohols and related esters belonging to chemical group 21 when used as flavourings for all animal species. EFSA J 14:4557.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of *Lactobacillus diolivorans* DSM 32074 as a silage additive for all animal species. EFSA J 14:4556.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of RONOZYME® WX (endo-1,4-beta-xylanase) as a feed additive for chickens and turkeys for fattening, minor poultry species for fattening, weaned piglets and pigs for fattening. EFSA J 14:4564.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Belfeed B MP/ML (endo-1,4-beta-xylanase) as feed additive for poultry, piglets (weaned) and pigs for fattening. EFSA J 14:4562.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of Lavipan® (*Lactococcus lactis* B/00039, *Carnobacterium divergens* KKP 2012p, *Lactobacillus casei* B/00080, *Lactobacillus plantarum* B/00081 and *Saccharomyces cerevisiae* KKP 2059p) for weaned piglets, chickens for fattening and turkeys for fattening. EFSA J 14:4555.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, G. Rychen, M. Saarela, R.E. Villa, R.J. Wallace, and P. Wester. 2016. Safety and efficacy of BioPlus 2B® (*Bacillus subtilis* DSM 5750 and *Bacillus licheniformis* DSM 5749) as a feed additive for sows, piglets, pigs for fattening, turkeys for fattening and calves. EFSA J 14:4558.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, G. López-Gálvez, and A. Mantovani. 2016. Safety and efficacy of selenium-enriched yeast (*Saccharomyces cerevisiae* NCYC R397) for all animal species. EFSA J 14:4624.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, N. Dierick, and M. Anguita. 2016. Safety and efficacy of Natugrain® TS/TS L (endo-1,4-b-xylanase and endo-1,4-b-glucanase) as a feed additive for chickens reared for laying and minor poultry species for laying. EFSA J 14:4626.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, B. Dusemund, C. Hogstrand, P. van Beelen, J. Westendorf, L. Gregoretta, P. Manini, and A. Chesson. 2016. Safety and efficacy of maltol belonging to chemical group 12 when used as flavouring for all animal species. EFSA J 14:4619.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, G. Martelli, D. Renshaw, and S.L. Puente. 2016. Safety and efficacy of fumonisin esterase (FUMzyme®) as a technological feed additive for all avian species. EFSA J 14:4617.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, N. Dierick, J. Aguilera, and M. Anguita. 2016. Safety and efficacy of Aextra® PHY 20000 TPT2 (6-phytase) as a feed additive for poultry and porcine species. EFSA J 14:4625.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, L.G. Costa, A.-K. Lundebye, D. Renshaw, O. Holczknecht, M.V. Vettori, and G. Aquilina. 2016. Safety and efficacy of tartrazine (E 102) for cats and dogs, ornamental fish, grain-eating ornamental birds and small rodents. EFSA J 14:4613.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, I. Halle, P. van Beelen, O. Holczknecht, M.V. Vettori, and J. Gropp. 2016. Modification of the terms of the authorisation regarding the formulation of Maxiban® G160 (narasin and nicarbazine) for chickens for fattening. EFSA J 14:4614.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, N. Dierick, and M. Anguita. 2016. Safety and efficacy of Feedlyve AGL (endo-1,3(4)-b-glucanase) as a feed additive for chickens for fattening. EFSA J 14:4620.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, N. Dierick, and M. Anguita. 2016. Safety and efficacy of Feedlyve AXC (endo-1,4-b-xylanase) as a feed additive for chickens for fattening. EFSA J 14:4621.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, B. Dusemund, C. Hogstrand, P. van Beelen, J. Westendorf, L. Gregoretta, P. Manini, and A. Chesson. 2016. Safety and efficacy of secondary aliphatic saturated or unsaturated alcohols, ketones, ketals and esters with a second secondary or tertiary oxygenated functional group belonging to chemical group 10 when used as flavourings for all animal species. EFSA J 14:4618.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, G. Martelli, D. Renshaw, and S.L. Puente. 2016. Safety and efficacy of a preparation of algae interspaced bentonite as a feed additive for all animal species. EFSA J 14:4623.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, R.E. Villa, R.J. Wallace, P. Wester, R. Brozzi, and M. Saarela. 2016. Safety and efficacy of *Lactobacillus brevis* NCIMB 42149 as a silage additive for all animal species. EFSA J 14:4616.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, P. Brantom, N. Dierick, L. Herman, B. Glandorf, S. Kärenlampi, J. Aguilera, M. Anguita, and P.S. Cocconcelli. 2016. Safety and efficacy of 3-phytase FLF1000 as a feed additive for chickens for fattening and laying hens. EFSA J 14:4622.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, A. Chesson, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, R.E. Villa, R.J. Wallace, P. Wester, R. Brozzi, and M. Saarela. 2016. Safety and efficacy of B-Act® (*Bacillus licheniformis* DSM 28710) for chickens for fattening and chickens reared for laying. EFSA J 14:4615.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP). G. Rychen, G. Aquilina, G. Azimonti, V. Bampidis, M. de Lourdes Bastos, G. Bories, P.S. Cocconcelli, G. Flachowsky, J. Gropp, B. Kolar, M. Kouba, S.L. Puente, M. López-Alonso, A. Mantovani, B. Mayo, F. Ramos, M. Saarela, R.E. Villa, R.J. Wallace, P. Wester, B. Dusemund, C. Hogstrand, P. van Beelen, J. Westendorf, P. Manini, and A. Chesson. 2016. Safety and efficacy of dry grape extract when used as flavouring in water for drinking for all animal species and categories. EFSA J 14:4627.

EFSA Panel on Animal Health and Welfare (AHAW). M.A. Miranda, D. Bicout, A. Botner, A. Butterworth, P. Calistri, K. Depner, S. Edwards, B. Garin-Bastuji, M. Good, C. Gortazar Schmidt, V. Michel, S. More, S.S. Nielsen, M. Raj, L. Sihvonen, H. Spooler, J.A. Stegeman, H.H. Thulke, A. Velarde, P. Willeberg, and C. Winckler. 2016. Assessing the health status of managed honeybee colonies (HEALTHY-B): a toolbox to facilitate harmonised data collection. EFSA J 14:4578.

EFSA Panel on Animal Health and Welfare (AHAW). M.A. Miranda, D. Bicout, A. Botner, A. Butterworth, P. Calistri, K. Depner, S. Edwards, B. Garin-Bastuji, M. Good, C. Gortazar Schmidt, V. Michel, S. More, S.S. Nielsen, M. Raj, L. Sihvonen, H. Spooler, J.A. Stegeman, H.H. Thulke, A. Velarde, P. Willeberg, and C. Winckler. 2016. Urgent advice on lumpy skin disease. EFSA J 14:4573.

Eisenreich, W., E. Kutzner, T. Kern, and T.M. Fuchs. 2016. Bakterieller Stoffwechsel als Pathogenitätsfaktor - Ein neuer Ansatz in der Infektionsbiologie. Naturwissenschaftl Rundsch 69(4):174-180.

Eßbauer, S.S., A. Mayer-Scholl, K. Nöckler, J. Jacob, C. Imholt, R.G. Ulrich, and S. Fischer. 2016. DpS Fachzeitschrift für Schädlingsbekämpfung 11/2016:8-11.

Flachowsky, G., and J. Gropp. 2016. Feed additives via animal drinking water?/Futterzusatzstoffe via Tränkwasser? Feed Magazine/Kraftfutter 1-2/2016:10-13.

Flachowsky, G., and J. Gropp. 2016. Konjugierte Linolsäuren (CLA) als Futterzusatzstoffe?/Conjugated linoleic acids (CLA) as feed additives? Feed Magazine/Kraftfutter 7-8/2016:6-9.

Flachowsky, G., and U. Meyer. 2016. Anmerkungen zur Verabreichung von Futterzusatzstoffen via Tränkwasser. REKASAN-Journal **23**(45-/46):31-34.

Flachowsky, G., and U. Meyer. 2016. Anmerkungen zur Verabreichung von Futterzusatzstoffen via Tränkwasser. REKASAN-Journal **23**(45-/46):31-34.

Gindhart, I., R. Martin, C. Sauter-Louis, and R. Mansfeld. 2016. Behandlung akuter katarrhalischer Mastitiden mit einem Kombinationspräparat aus Cephalexin und Kanamycin mit oder ohne Anwendung eines NSAID. Prakt Tierarzt **97**:1104-1117.

Gropp, J., and G. Flachowsky. 2016. Why are there maximum contents for trace elements?/Warum Höchstgehalte für Spurenelemente? Feed Magazine/Kraftfutter **3-4/2016**:11-13.

Gropp, J., and G. Flachowsky. 2016. Die Guidance-Dokumente des FEEDAP-Panels Feed Magazine/Kraftfutter **5-6/2016**:11-13.

Gropp, J., and G. Flachowsky. 2016. Absenkung der derzeit gültigen Höchstwerte für Kupfer im Futter/Lowering of the current maximum levels for copper in feed. Feed Magazine/Kraftfutter **11-12/2016**:6-9.

Henritzi, D., and T. Harder. 2016. Influenza A virus in swine: situation in European countries. pig333.com (https://www.pig333.com/swine-influenza/influenza-a-virus-in-swine-situation-in-european-countries_11991/)

Höper, D., and A. Pohlmann. 2016. Discovery and diagnosis of new viral pathogens: proposal for a generic workflow based on next-generation sequencing and new integrated data analysis approaches. Euroreference **01/2016**:58-62.

Hoffmann, D., F.J. Conraths, M. Beer, and B. Hoffmann. 2016. Lumpy Skin Disease - Eine Rindererkrankung auf dem Vormarsch. Amtstierärztl Dienst Lebensm **23**:239-2141.

Hoffmann, D., F.J. Conraths, M. Beer, and B. Hoffmann. 2016. Lumpy Skin Disease - Eine Rindererkrankung auf dem Vormarsch. Dt Tierärztebl **09/2016**:1350-1353.

Hoßfeld, U., G.S. Levit, and P. Reinhold. 2016. Von der "comparierten Anatomie" zur Veterinärmedizin: Neues vom Biologen Goethe. Biologie in unserer Zeit **46**(4):217-218.

Hussein, I., and E.M. Abdelwhab. 2016. Why the veterinary use of antivirals in Egypt should stop? Nature Middle East **49**, doi:10.1038/nmiddleeast.2016.49.

Klaus, C., J. Gethmann, B. Hoffmann, U. Ziegler, M. Heller, and M. Beer. 2016. Untersuchungen zum Zeckenbefall bei Vögeln sowie zum Vorkommen von Krankheitserregern in den Zecken. Berichte der Vogelwarte Hiddensee **23**:83-85.

Kušec, G., A.M. Scholz, U. Baulain, I. Djurkin Kušec, and M. Bernau. 2016. Non-invasive Techniques for Exact Phenotypic Assessment of Carcass Composition and Tissue Growth in Domestic Animals. Acta agriculturae Slovenica, Suppl. **5**:12-17.

Levit, G.S., U. Hoßfeld, and P. Reinhold. 2016. Theobald Renner und die "Thierarzneykunst" in Thüringen - Von Moskau nach Jena. Dt Tierärztebl **02/2016**:86-90.

Levit, G.S., U. Hoßfeld, and P. Reinhold. 2016. Karl Hobstetter (1875-1944) - Ein Visionär, der das Veterinärwesen in Thüringen reformierte. Dt Tierärztebl **04/2016**:521-526.

Levit, G.S., and U. Hoßfeld. 2016. Victor Goertler (1897-1982) ...und die dritte Periode der Institutionalisierung der Veterinärmedizin in Thüringen. Dt Tierärztebl **06/2016**:850-853.

- Liermann, W., A. Bartels, A. Berk, V. Bösch, and S. Dänicke.** 2016. Auswirkung einer unterschiedlichen Mischfutterkonfektionierung bei Mastschweinen und Broilern. *REKASAN-Journal* **23**(45/46):48-52.
- Malchow, J. and B.K. Eusemann.** 2016. Tierschutz im Fokus der Wissenschaft: GdFuF-Vortragstagung. *DGS Magazin* **26/2016**:30-33.
- Meyer, U., and G. Flachowsky.** 2016. Zur Wasseraufnahme von Rindern. *REKASAN-Journal* **23**(45/46):28-30.
- Meyer, U., K. Mahlkow-Nerge, and D. von Soosten.** 2016. Nutzung am Tier messbarer Parameter in Untersuchungen zur Ernährung von Milchkühen. *In: Verband der Landwirtschaftskammern (Hrsg.), 11. Forum angewandte Forschung in der Rinder- und Schweinehaltung vom 12. bis 13.04.2016, Fulda, S. 6-11.*
- Niemann, H.** 2016. Gene und Klone: Einblicke in die Tierzucht der Zukunft. *Rdsch Fleischhyg Lebensmittelüberw* **1/2016**:6-9.
- Pannwitz, G., H. Kerlikowski, C. Baumbach, P. Wolf, J.P. Teifke, A. Mayer-Scholl, and K. Nöckler.** 2016. Trichinen bei Hausschweinen und Hunden - Vorkommen in Vorpommern-Greifswald und eine epidemiologische Bewertung für Deutschland. *Amtierärztl Dienst Lebensm* **23**:172-176.
- Radišć, Ž., M. Bernau, I. Djurkin Kušec, U. Baulain, A.M. Scholz, and G. Kušec.** 2016. Relationship between Carcass Lean Meat Percentage and MRI Data Obtained on Hams of Entire Boars. 2016. *Acta agriculturae Slovenica, Suppl.* **5**:127-131.
- Rasche, F.M., S. Schmidt, C. Kretzschmar, M. Mertens, J. Thiel, M.H. Groschup, M. Schlegel, C. Mayer, T.H. Lindner, S. Schiekofner, and R.G. Ulrich.** 2016. Autochthone Dobrava-Belgrad-Virus-Infektion in einem Nichtendemiegebiet in Mitteldeutschland. *Nieren- und Hochdruckkrankheiten* **45**:240-246.
- Rau, J., A. Männig, E. Hiller, N. Mauder, C. Wind, S. Horlacher, K. Kadlec, S. Schwarz, and M. Contzen.** 2016. MALDI-TOF mass spectrometry for reliable identification of bacteria - A validation based on *Staphylococcaceae* field isolates. *Aspects of food control and animal health* **03/2016**:1-46.
- Reinhold, P.** 2016. Editorial 19. Workshop des Arbeitskreises 'Respiratorisches System' der Deutschen Veterinärmedizinischen Gesellschaft (DVG) in Kooperation mit der Deutschen Gesellschaft für Pneumologie und Beatmungsmedizin (DPG). *Pneumologie* **70**:462.
- Reinhold, P., K. Donat, L. Hoffmann, H. Meyer, H. Schubert, D. Uthe, and G.S. Levit.** 2016. 200 Jahre „Thierarzneykunst“ in Jena - Die heutigen tierärztlichen Einrichtungen in Thüringen im historischen Kontext. *Dt Tierärztebl* **08/2016**:1164-1170.
- Reinhold, P. and J.P. Teifke.** 2016. Nutztierhaltung in der Versuchstierkunde. *In: Leipziger Blaue Hefte: 8. Leipziger Tierärztekongress - Tagungsband 1, Leipziger Universitätsverlag GmbH, S. 406-408.*
- Schotte, U., H. Anheyer-Behmenburg, A. Binder, S. Blome, and G. Klein.** 2016. Wildtiere als Reservoir und Sentinels für Tierseuchen- und Zoonoseerreger. *Wehrmed Monatsschr* **60(6)**:187.
- Schrader, L.** 2016. Alle Partner brauchen Planungssicherheit (Interview). *FleischWirtschaft* **9/2016**:9-13.
- Schrader, L.** 2016. Den Blick schärfen. *dlz primus Schwein* **05/2016**:28-30.
- Schrader, L.** 2016. Mahlzeit. *dlz primus Schwein* **06/2016**:32-35.
- Schrader, L.** 2016. Dufte Bindung. *dlz primus Schwein* **07/2016**:40-42.

von Soosten, D., J.-H. Speit, M. Schären, D. Albers, U. Meyer, H. Westendarp, and S. Dänicke. 2016. Einfluss einer totalen Mischration- (TMR) oder weidebasierter Fütterung auf Proteinumsetzungen im Pansen bei Milchkühen. *In: Verband der Landwirtschaftskammern (Hrsg.), 11. Forum angewandte Forschung in der Rinder- und Schweinehaltung vom 12. bis 13.04.2016, Fulda, S. 85-88.*

Telugu, B.P., D.M. Donovan, M. Boggess, R.S. Prather, J.D. Murray, J.M. Oatley, R. Etches, H. Niemann, T. Doran, G. Laible, H. Sang, and C.B.A. Whitelaw. 2016. Genome editing to the rescue: sustainably feeding 10 billion global human population. *Nat Inst Biosci J 1*, doi:10.2218/natinstbiosci.1.2016.1743.

Tran, A.T., T. Hilmer, A. Berk, J. Klüß, J. Frahm, and S. Dänicke. 2016. Einfluss von Natriumsulfit (Na_2SO_3) auf die Deoxynivalenol (DON)-Reduktion in kontaminiertem Ferkelfutter und die Leistungen der Ferkel. *In: Verband der Landwirtschaftskammern (Hrsg.), 11. Forum angewandte Forschung in der Rinder- und Schweinehaltung vom 12. bis 13.04.2016, Fulda, S. 131-134.*

Tzschentke, B., and I. Halle. 2016. Improvement of robustness and performance in meat-type chickens and ducks by short-term temperature training in the hatcher. *Lohmann Information 50(2):30-35.*

Walter, A., F. Duschek, L. Fellner, K. Grünwald, A. Hausmann, S. Julich, C. Pargmann, H. Tomaso, and J. Handke. 2016. Standoff Detection: Distinction of Bacteria by Hyperspectral Laser Induced Fluorescence. *Proc SPIE 9824:98240Y-1.*

Wernike, K., H. Schirrmeier, G. Wolf, J. Gethmann, F.J. Conraths, H.-J. Bätza, and M. Beer. 2016. BVD-Sanierung in Deutschland - Was erreicht wurde und wie es weiter geht. *Dt Tierärztebl 06/2016:829-834.*

Books/Book chapters

Kammerer, R., F. Herse, and W. Zimmermann. 2016. Convergent Evolution Within CEA Gene Families in Mammals: Hints for Species-Specific Selection Pressures. *In: Pontarotti, P. (ed.), Evolutionary Biology, Springer International Publishing Switzerland, Cham, Switzerland, ISBN: 978-3-319-41324-2_3, pp. 37-53.*

Keil, G.M., R. Pollin, C. Müller, K. Giesow, and H. Schirrmeier. 2016. BacMam Platform for Vaccine Antigen Delivery. *In: Brun, A. (ed.), Vaccine Technologies for Veterinary Viral Diseases, Methods in Molecular Biology, Vol. 1349, Springer Science+Business Media, New York, ISBN: 978-1-4939-3007-4, p. 105-119.*

Kielian, M., K. Maramorosch, and T.C. Mettenleiter (eds.). 2016. *Advances in Virus Research, Vol. 94, Academic Press Inc. Elsevier Science, San Diego, CA, USA, 177 p., ISBN: 978-0-12-804821-4.*

includes:

Hellberg, T., L. Paßvogel, K.S. Schulz, B.G. Klupp, and T.C. Mettenleiter. 2016. Nuclear Egress of Herpesviruses: The Prototypic Vesicular Nucleocytoplasmic Transport. pp. 81-140.

Kielian, M., K. Maramorosch, and T.C. Mettenleiter (eds.). 2016. *Advances in Virus Research, Vol. 95, Academic Press Inc. Elsevier Science, San Diego, CA, USA, 227 p., ISBN: 978-0-12-804820-7.*

Kohlwey, S., E.T. Krause, M.C. Baier, C. Müller, and B.A. Caspers. 2016. Chemical Analyses Reveal Family-Specific Nest Odor Profiles in Zebra Finches (*Taeniopygia guttata*): A Pilot Study. *In: Schulte, B.A., T.E. Goodwin, and M.H. Ferkin (Hrsg.), Chemical Signals in Vertebrates 13, Part III, Springer International Publishing, ISBN: 978-3-319-22025-3, S. 167-175.*

Krause, E.T., J. Kabbert, and B.A. Caspers. 2016. Exploring the Use of Olfactory Cues in a Nonsocial Context in Zebra Finches (*Taeniopygia guttata*). *In: Schulte, B.A., T.E. Goodwin, and M.H. Ferkin (Hrsg.), Chemical Signals in Vertebrates 13, Part III, Springer International Publishing, ISBN: 978-3-319-22025-3, S. 177-187.*

Rau, J., A. Männig, E. Hiller, N. Mauder, C. Wind, S. Horlacher, K. Kadlec, S. Schwarz, and M. Contzen. 2016. MALDI-TOF mass spectrometry for reliable identification of bacteria - A validation based on *Staphylococcaceae* field isolates. *Aspects of food control and animal health* **03/2016**:1-46.

Reimann, I., S. Blome, and M. Beer. 2016. Chimeric Pestivirus Experimental Vaccines. *In: Brun, A. (ed.), Vaccine Technologies for Veterinary Viral Diseases, Methods in Molecular Biology, Vol. 1349, Springer Science+Business Media, New York, ISBN: 978-1-4939-3007-4, p. 239-246.*

Rziha, H.-J., J. Rohde, and R. Amann. 2016. Generation and Selection of Orf Virus (ORFV) Recombinants. *In: Brun, A. (ed.), Vaccine Technologies for Veterinary Viral Diseases, Methods in Molecular Biology, Vol. 1349, Springer Science+Business Media, New York, ISBN: 978-1-4939-3007-4, p. 177-200.*

Schütze, H. 2016. Coronaviruses in Aquatic Organisms. *In: Kibenge, F.S.B. and M. Godoy (eds.), Aquaculture Virology, Elsevier Academic Press, ISBN: 978-0-1280-1573-5, 568 p., pp. 327-335.*

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

Habilitations

Blome, Sandra (IVD): Classical and African swine fever: State-of-the-art diagnostics and control measures (Freie Universität Berlin)

Doctoral theses

Angenvoort, Joke Henriette (INNT): West Nile virus: Vaccination and pathogenesis studies in large falcons and mice (Tierärztliche Hochschule Hannover)

Blodkamp, Stefanie (ING): The effect of antimicrobial peptides on the innate host responses against zoonotic *Staphylococcus aureus* (Tierärztliche Hochschule Hannover)

Brezina, Ulrike (ITE): Determination of zearalenone, deoxynivalenol and their metabolites in physiological samples of pigs with LC-MS/MS: Development of multi-mycotoxin methods and verification through a dose-response feeding study (Westfälische Wilhelms-Universität Münster)

Dräger, Carolin (IVD): Safety and efficacy of a novel live marker vaccine against Classical swine fever virus (Ernst-Moritz-Arndt-Universität Greifswald)

Drewes, Stephan (INNT): Reservoir-driven inhomogeneous distribution of human Puumala virus cases in Central Europe (Ernst-Moritz-Arndt-Universität Greifswald)

Drong, Caroline (ITE): Effects of monensin and essential oils on ruminal fermentation, performance, energy metabolism and immune parameters of dairy cows during the transition period (Tierärztliche Hochschule Hannover)

Entorf, Monika (ING): Vergleichende Analyse der In-vitro-Empfindlichkeit Gram-positiver Erreger boviner Mastitiden gegenüber Tylosin mittels Bouillon-Mikrodilution und Agardiffusion (Tierärztliche Hochschule Hannover)

Feßler, Andrea Theresia (ING): Studien zu Qualitätskontrollbereichen und klinischen Grenzwerten für Cefoperazon zur Bekämpfung boviner Mastitiden (Tierärztliche Hochschule Hannover)

Fischer, Kerstin (INNT): Molecular studies on the virus diversity and virus distribution in bats in Germany and development of a novel Enzyme-linked Immunosorbent Assay for the detection of henipavirus antibodies (Tierärztliche Hochschule Hannover)

Hilbert, Angela (IfE): *Coxiella burnetii* - Epidemiologische Untersuchungen zum Vorkommen und zur Verbreitung in Schaf- und Rinderbeständen in Deutschland (Freie Universität Berlin)

Jenckel, Maria (IVD): Next-generation sequencing for molecular epidemiology and comparative virulence analyses of epizootic and zoonotic pathogens (Ernst-Moritz-Arndt-Universität Greifswald)

Kwasnitschka, Linda Cecile (INNT): Untersuchungen zum Vorkommen von Fledermaus-assoziierten Virusinfektionen in Deutschland und zur Diagnostik und molekularen Pathogenese Flughund-assoziiierter zoonotischer Paramyxoviren (Tierärztliche Hochschule Hannover)

Nieter, Johanna (IMP): Beiträge zur Verbesserung molekularbiologischer Untersuchungsmethoden zum Nachweis von Mykobakterien-Infektionen in tierischem Gewebe (Universität Leipzig)

Peters, Anja (ITE): Effects of an exogenous fibrolytic enzyme additive on ruminal fermentation, nutrient digestion, performance and health status in early and mid-lactation dairy cows (Martin-Luther-Universität Halle-Wittenberg)

Rehman, Abdul (IfE): Epidemiology of Ticks and Tick-borne Pathogens in the Semi-arid and the Arid Agro-ecological Zones in Pakistan (Freie Universität Berlin)

Riesenberg, Anne (ING): Erarbeitung eines standardisierten Verfahrens zur antimikrobiellen Empfindlichkeitsprüfung von *Rhodococcus equi* (Tierärztliche Hochschule Hannover)

Sander, Stephanie (ING): Luminometrische Verlaufskontrolle des ATP-Gehaltes von flowzytometrisch geschlechtsdifferenzierten bovinen Spermien (Tierärztliche Hochschule Hannover)

Schneeberg, Alexander (IBIZ): Untersuchung zur Prävalenz und DNA-Microarray-basierende Typisierung von *Clostridium difficile* bei Heim- und Nutztieren (Ernst-Moritz-Arndt-Universität Greifswald)

Schröter, Christina (IMVZ): Molekulare Mechanismen der Membranfusion bei Herpesviren - Einfluss spezifischer Mutationen in den Pseudorabies Virus Glykoproteinen B, H und D auf die Fusionsaktivität (Ernst-Moritz-Arndt-Universität Greifswald)

Schulte-Ebbert, Laura (ITE): Effects of addition of phytase, phosphorus and zinc to ruminant diets on rumen metabolism, digestion and performance (Martin-Luther-Universität Halle-Wittenberg)

Schulz, Katja (IfE): Klassische Schweinepest beim Wildschwein: Evaluation verschiedener Überwachungsstrategien in Zeiten der Seuchenfreiheit (Freie Universität Berlin)

Schulz, Kirsten (ITE): Influence of body condition and dietary energy supply on lipolysis, ketogenesis and immune system of periparturient dairy cows with special regard to dipeptidyl peptidase-4 (Rheinische Friedrich-Wilhelms-Universität Bonn)

Sobotta, Katharina (IMP): Biomarker zur Beurteilung der Virulenz von *Coxiella burnetii* in verschiedenen Wirten (Friedrich-Schiller-Universität Jena)

Soschinka, Anneka (IMP): Etablierung eines caprinen Infektionsmodells für die Paratuberkulose sowie Nachweis und Charakteristik der spezifischen Immunantwort gegenüber *Mycobacterium avium* subsp. paratuberculosis (MAP) unter Berücksichtigung verschiedener diagnostischer Fragestellungen (Freie Universität Berlin)

Tienken, Reka Susanne (ITE): Niacin in dairy cow rations: Investigations on the bioavailability of niacin and its interactions with dietary energy density on the health and performance of dairy cows (Tierärztliche Hochschule Hannover)

Tucakov, Anna Katharina (IfI): Gezielte Attenuierung und Markierung von Pestiviren: Charakterisierung eines Virulenzmarkers & Kartierung eines hochkonservierten Epitops (Ludwig-Maximilians-Universität München)

Wessels, Ute (IMVZ): Identifizierung von Virulenzdeterminanten in aviären und porcinen Influenzaviren mittels reverser Genetik in relevanten Tiermodellen (Ernst-Moritz-Arndt-Universität Greifswald)

Zielke, Dorothee E. (IMED): Population genetics and distribution of the invasive mosquito *Aedes japonicus japonicus* (Diptera: Culicidae) in Germany and Europe (Ernst-Moritz-Arndt-Universität Greifswald)

PhD Theses

Bernal Ulloa, Sandra Milena (ING): Experimental studies into the role of cAMP in bovine oocyte maturation and embryo developmental competence (Tierärztliche Hochschule Hannover)

Mukherjee, Ayan (ING): Approaches for the development of a transposon based vaccine against classical swine fever virus (Tierärztliche Hochschule Hannover)

Noe, Elena Ariane (IMP): Characterization of Protein Kinase C Alpha Deficiency in a Mouse Model (Freie Universität Berlin)

Prohl, Annette Charlotte (IMP): Evaluation of antimicrobial treatment strategies against *Chlamydia psittaci* using a bovine respiratory infection model (Freie Universität Berlin)

Schären, Melanie (ITE): Effects of a ration change from a silage and concentrate- to a pasture-based ration on the production, health and rumen physiology of dairy cows (Tierärztliche Hochschule Hannover)

Diploma theses

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Master theses

Blume, Leonie (ING): Untersuchungen zur OCT4-Expression in Oct4-EGFP transgenen Sauen (Georg-August-Universität Göttingen)

Braun, Alexandra (ITT): Investigations of regional brain volumes in two lines of laying hens (*Gallus gallus*) kept in different housing systems (Universität Bayreuth)

Eininkel, Rebekka (IfI): Einfluss zellautonomer Abwehr gegen Chlamydien in humanen Epithelzellen (Ernst-Moritz-Arndt-Universität Greifswald)

Fechtner, Susanne (IVD): Optimization of taxonomic classification of nucleotide sequences based on elementary sequence information (Ernst-Moritz-Arndt-Universität Greifswald)

Gerhard, Marika (IMVZ): Mutationsraten von Influenza-A-Viren: Etablierung neuartiger selektionsunabhängiger Methodiken (Ernst-Moritz-Arndt-Universität Greifswald)

Glaser, Anne-Sophie (ITT): Ansprüche von Junghennen und Junghähnen an die Qualität von Sitzstangen und deren Optimierung in der Aufzuchtphase (Universität Rostock)

Hilner, Thomas (ITE): Effizienz einer Deoxynivalenol (DON) - Reduktion in kontaminiertem Ferkelfutter durch den Einsatz von Natriumsulfit sowie deren mögliche Effekte auf die Leistungen der Tiere (Hochschule Osnabrück)

Jagdmann, Sandra (INNT): Sequenzevolution im S-Segment des Puumalavirus (Ernst-Moritz-Arndt-Universität Greifswald)

Janke, Una (IfI): Immunologische Charakterisierung der onkolytischen Wirkung des Newcastle Disease Virus (NDV) im Pankreas-Tumor-Modell (Ernst-Moritz-Arndt-Universität Greifswald)

Lüders, Carolin (ITT): Persönlichkeitstest bei Hühnern (Universität Bielefeld)

Müller, Anne (IfI): Vergleichende Untersuchung von APCs (dendritische Zellen und Makrophagen) während einer chlamydialen Infektion (Ernst-Moritz-Arndt-Universität Greifswald)

Murr, Magdalena (IMVZ): Rekombinante Newcastle Disease Viren zur Impfung gegen die Pest der kleinen Wiederkäuer und die hochpathogene aviäre Influenza (Ernst-Moritz-Arndt-Universität Greifswald)

Rähse, André-Fabian (ITE): Analyse des oxidativen/antioxidativen Status von Milchkühen während der Transitperiode unter Vitamin E und/oder CLA-Einfluss (Beuth Hochschule für Technik Berlin)

Reinhard, Ann-Kathrin (ITT): Untersuchung des Einflusses von Suprelorin® auf die Follikelbildung, die Brustbeingesundheit und die 17 β -Estradiol-Konzentration im Plasma von LSL-Hennen (Georg-August-Universität Göttingen)

Schmiedeke, Julia (IfI): Development of immunocompetence in the chicken (Universität Lübeck)

Semenow, Jana C. (ITE): Einfluss von Glyphosatrückständen in Futtermitteln auf Wiederkauaktivität, pH-Wert im Pansen und Pansenfermentation bei Milchkühen (Martin-Luther-Universität Halle-Wittenberg)

Strutzke, Saskia (ITE): Vergleichende histologische Untersuchungen des gastro-intestinalen Systems beim Schwein und Broiler (Georg-August-Universität Göttingen)

Thomas, Patrizia (ING): Molekulare Charakterisierung von Staphylokokken von Zoo- und Wildtieren (Leibniz-Universität Hannover)

Wünsche, Christine (IMP): Entwicklung einer Reverse-Transkriptase-Echtzeit-PCR zur Quantifizierung von Gamma-Interferon-mRNS als Nachweis der Tuberkulose beim Hund (Friedrich-Schiller-Universität Jena)

Bachelor theses

Balz, Christina (ITT): Druckbelastung bei der Nutzung von Sitzstangen und Plattformen durch Putenhennen (Hochschule Osnabrück)

Bartels, Annika (ITE): Einfluss unterschiedlicher Futtermittelbearbeitungsverfahren bei Mischfutter auf Leistung, Verdaulichkeit und Chymusviskosität bei Broilern (Hochschule Anhalt)

Christen, Michael (IMVZ): Mechanismen der Zellkulturadaptierung bei Tollwutvirus-Feldisolaten (Ernst-Moritz-Arndt-Universität Greifswald)

Krey, Britta (ITE): Einfluss von Vitamin E auf die Pansenfermentation und die mikrobielle Proteinsynthese bei Milchkühen (Hochschule Neubrandenburg)

Simon, Selina (IBIZ): Genotypisierung von Isolaten der Bakterienspezies *Francisella tularensis* subsp. *holarctica* aus Deutschland aus dem Jahr 2015 (Fachhochschule Mittweida)

Simons, Fabian (ING): Markergestützte Auswahl von Hähnen alter und bedrohter Haushuhnrasen zur Anlage einer Kryokonserven (Georg-August-Universität Göttingen)

Vater, Eric (IMP): Eicosanoide als potentielle Biomarker in der Pathophysiologie der Paratuberkulose (Friedrich-Schiller-Universität Jena)