



## Publications of the FLI 2013

### Table of Contents

Publications in peer-reviewed journals.....	2
Publications in non-peer reviewed journals/Conference Proceedings .....	23
Books/Book chapters.....	38
Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses.....	40
Habitations .....	40
Doctoral theses .....	40
PhD Theses.....	41
Diploma theses .....	41
Master theses.....	42
Bachelor theses .....	42

compiled by: Anette Beidler  
last updated: 14 November 2022

## Publications in peer-reviewed journals

- Abdelwhab, E.M., J. Veits, and T.C. Mettenleiter.** 2013. Genetic changes that accompanied shifts of low pathogenic avian influenza viruses toward higher pathogenicity in poultry. *Virulence* **4**:441-452.
- Abdelwhab, E.M., J. Veits, and T.C. Mettenleiter.** 2013. Avian influenza virus NS1 - A small protein with diverse and versatile functions. *Virulence* **4**:583-588.
- Abd El Wahed, A., A. El-Deeb, M. El-Tholoth, H. Abd El Kader, A. Ahmed, S. Hassan, B. Hoffmann, B. Haas, M.A. Shalaby, F.T. Hufert, and M. Weidmann.** 2013. A Portable Reverse Transcription Recombinase Polymerase Amplification Assay for Rapid Detection of Foot-and-Mouth Disease Virus. *PLoS one* **8**:e71642.
- Ackermann, M., N. Lachmann, S. Hartung, R. Eggenschwiler, N. Pfaff, C. Happle, A. Mucci, G. Göhring, H. Niemann, G. Hansen, A. Schambach, T. Cantz, R. Zweigerdt, and T. Moritz.** 2013. Promoter and lineage independent anti-silencing activity of the A2 ubiquitous chromatin opening element for optimized human pluripotent stem cell-based gene therapy. *Biomaterials* **35**:1531-1542..
- Ahmed, A.A., W. Ma, F. Guo, Y. Ni, R. Grossmann, and R. Zhao.** 2013. Differences in egg deposition of corticosterone and embryonic expression of corticosterone metabolic enzymes between slow and fast growing broiler chickens. *Comp Biochem Physiol A* **164**:200-206.
- Al Dahouk, S., V. Jubier-Maurin, H. Neubauer, and S. Köhler.** 2013. Quantitative analysis of the *Brucella suis* proteome reveals metabolic adaptation to long-term nutrient starvation. *BMC Microbiol* **13**:199.
- Al Dahouk, S., L.D. Sprague, and H. Neubauer.** 2013. New developments in the diagnostic procedures for zoonotic brucellosis in humans. *Rev Sci Tech Offiz Int Epiz* **32**:177-188.
- Alexandrov, T., D. Stefanov, P. Kamenov, A. Miteva, S. Khomenko, K. Sumption, H. Meyer-Gerbautet, and K. Depner.** 2013. Surveillance of Foot-and-mouth disease (FMD) in susceptible wildlife and domestic ungulates in Southeast of Bulgaria following a FMD case in wild boar. *Vet Microbiol* **166**:84-90.
- Ali, S., Q. Ali, H. Neubauer, F. Melzer, M. Elschner, I. Khan, E.N. Abatih, N. Ullah, M. Irfan, and S. Akhter.** 2013. Seroprevalence and Risk Factors Associated with Brucellosis as a Professional Hazard in Pakistan. *Foodborne Pathog Dis* **10**:500-505.
- Álvarez-García, G., C.F. Frey, L.M.O. Mora, and G. Schares.** 2013. A century of bovine besnoitiosis: an unknown disease re-emerging in Europe. *Trends Parasitol* **29**:407-415.
- Amann, R., J. Rohde, U. Wulle, D. Conlee, R. Raue, O. Martinon, and H.-J. Rziha.** 2013. A New Rabies Vaccine Based on a Recombinant Orf Virus (Parapoxvirus) Expressing the Rabies Virus Glycoprotein. *J Virol* **87**:1618-1630.
- Angenwoort, J., A.C. Brault, R.A. Bowen, and M.H. Groschup.** 2013. West Nile viral infection of equids. *Vet Microbiol* **167**:168-180.
- Arega, S.M., F.J. Conraths, and G. Ameni.** 2013. Prevalence of tuberculosis in pigs slaughtered at two abattoirs in Ethiopia and molecular characterization of *Mycobacterium tuberculosis* isolated from tuberculous-like lesions in pigs. *BMC Vet Res* **9**:97.
- Argilaguet, J.M., E. Pérez-Martín, S. López, M. Goethe, J.M. Escribano, K. Giesow, G.M. Keil, and F. Rodríguez.** 2013. BacMam immunization partially protects pigs against sublethal challenge with African swine fever virus. *Antiviral Res* **98**:61-65.

- Bannach, O., E. Reinartz, F. Henke, F. Dreßen, A. Oelschlegel, M. Kaatz, M.H. Groschup, D. Willbold, and D. Riesner.** 2013. Analysis of prion protein aggregates in blood and brain from pre-clinical and clinical BSE cases. *Vet Microbiol* **166**:102-108.
- Banyard, A.C., D.L. Horton, C. Freuling, T. Müller, and A.R. Fooks.** 2013. Control and prevention of canine rabies: The need for building laboratory-based surveillance capacity. *Antiviral Res* **98**:357-364.
- Basso, W., S. Hartnack, L. Pardini, P. Maksimov, B. Koudela, M.C. Venturini, G. Schares, X. Sidler, F.I. Lewis, and P. Deplazes.** 2013. Assessment of diagnostic accuracy of a commercial ELISA for the detection of *Toxoplasma gondii* infection in pigs compared with IFAT, TgSAG1-ELISA and Western blot, using a Bayesian latent class approach. In *J Parasitol* **43**:565-570.
- Beer, M., F.J. Conraths, and W.H.M. van der Poel.** 2013. 'Schmallenberg virus' - a novel orthobunyavirus emerging in Europe. *Epidemiol Infect* **141**:1-8.
- Berima, M.e.A., I.A. Yousif, H. Eding, S. Weigend, and H.H. Musa.** 2013. Population structure and genetic diversity of Sudanese native chickens. *Afr J Biotechnol* **12**:6424-6431.
- Berk, J., C. Schumacher, M.E. Krautwald-Junghanns, M. Martin, and T. Bartels.** 2013. Verweildauer von Mastputen verschiedener Herkünfte im Bereich von Tränke- und Fütterungseinrichtungen. *Landbauforsch - Appl Agric Forestry Res* **63**:245-254.
- Berto, A., S. Grierson, R. Hakze-van der Honing, F. Martelli, R. Johne, J. Reetz, R.G. Ulrich, N. Pavio, W.H.M. van der Poel, and M. Banks.** 2013. Hepatitis E Virus in Pork Liver Sausage, France. *Emerg Infect Dis* **19**:264-266.
- Berxholi, K., U. Ziegler, A. Rexhepi, K. Schmidt, M. Mertens, K. Korro, A. Cuko, J. Angenvoort, and M.H. Groschup.** 2013. Indigenous West Nile virus infection in horses in Albania. *Transbound Emerg Dis* **60** (Suppl. 2):45-50.
- Blome, S., C. Gabriel, and M. Beer.** 2013. Möglichkeiten und Grenzen der Impfstoffentwicklung in der Veterinärmedizin am Beispiel der Klassischen Schweinepest. *Berl Münch Tierärztl Wschr* **126**:481-490.
- Blome, S., C. Gabriel, and M. Beer.** 2013. Pathogenesis of African swine fever in domestic pigs and European wild boar. *Virus Res* **173**:122-130.
- Blome, S., A. Meindl-Böhmer, G. Nowak, and V. Moennig.** 2013. Disseminated intravascular coagulation does not play a major role in the pathogenesis of classical swine fever. *Vet Microbiol* **162**:360-368.
- Bocharova, N., G. Treu, G.A. Czirják, O. Krone, V. Stefanski, G. Wibbelt, E.R. Unnsteinsdóttir, P. Hersteinsson, G. Schares, L. Doronina, M. Goltsman, and A.D. Greenwood.** 2013. Correlates between Feeding Ecology and Mercury Levels in Historical and Modern Arctic Foxes (*Vulpes lagopus*). *PLoS one* **8**:e60879.
- Boehm, M., I. Haenel, B. Hoy, L. Brønsted, T.G. Smith, T. Hoover, S. Wessler, and N. Tegtmeyer.** 2013. Extracellular secretion of protease HtrA from *Campylobacter jejuni* is highly efficient and independent of its protease activity and flagellum. *Eur J Microbiol Immunol* **3**:163-173.
- Bréard, E., E. Lara, L. Comtet, C. Viarouge, V. Doceul, A. Desprat, D. Vitour, N. Pozzi, A.B. Cay, N. De Regge, P. Pourquier, H. Schirrmeyer, B. Hoffmann, M. Beer, C. Sailleau, and S. Zientara.** 2013. Validation of a Commercially Available Indirect Elisa Using a Nucleocapsid Recombinant Protein for Detection of Schmallenberg Virus Antibodies. *PLoS one* **8**:e53446.
- Brenninkmeyer, C., S. Dippel, J. Brinkmann, S. March, C. Winckler, and U. Knierim.** 2013. Hock lesion epidemiology in cubicle housed dairy cows across two breeds, farming systems and countries. *Prev Vet Med* **109**:236-245.

- Brezina, U., S. Kersten, H. Valenta, P. Sperfeld, J. Riedel, and S. Dänicke.** 2013. UV-induced *cis-trans* isomerization of zearalenone in contaminated maize. *Mycotoxin Res* **29**:221-227.
- Brosig, J., I. Traulsen, S. Blome, K. Depner, and J. Krieter.** 2013. Comparison of different control strategies for classical swine fever using emergency vaccination and rapid PCR testing by using a Monte-Carlo simulation model. *Arch Tierzucht* **56**:100.
- Busby, S.-A., C. Crossan, J. Godwin, B. Petersen, C. Galli, E. Cozzi, Y. Takeuchi, and L. Scobie.** 2013. Suggestions for the diagnosis and elimination of hepatitis E virus in pigs used for xenotransplantation. *Xenotransplantation* **20**:188-192.
- Campe, A., K. Sauter, M. Beyerbach, J. Schael, T. Selhorst, S.B. Leo, M. Kramer, and L. Kreienbrock.** 2013. Case-control study on the risks of BSE injections in Northern Germany. *Berl Münch Tierärztl Wschr* **126**:220-229.
- Carpenter, S., M.H. Groschup, C. Garros, M.L. Felipe-Bauer, and B.V. Purse.** 2013. *Culicoides* biting midges, arboviruses and public health in Europe. *Antiviral Res* **100**:102-113.
- Castro, R., F. Takizawa, W. Chaara, A. Lunazzi, T.H. Dang, B. Koellner, E. Quillet, A. Six, U. Fischer, and P. Boudinot.** 2013. Contrasted TCRB Diversity of CD8<sup>+</sup> and CD8<sup>-</sup> T Cells in Rainbow Trout. *PLoS one* **8**:e60175.
- Cebrian-Serrano, A., M.A. Silvestre, S. Ruiz, and D. Rath.** 2013. Effect of sex-sorted sperm on development and quality of *in vitro*-produced bovine embryos derived from ovum pick up oocytes. *Anim Sci Pap Rep* **31**:111-122.
- Ceccobelli, S., P. Di Lorenzo, H. Lancioni, C. Castellini, L.V. Monteagudo Ibañez, A. Sabbioni, F.M. Sarti, S. Weigend, and E. Lasagna.** 2013. Phylogeny, genetic relationships and population structure of five Italian local chicken breeds. *Ital J Anim Sci* **12**:410-417.
- Celma, C.C.P., M. Boyce, P.A. van Rijn, M. Eschbaumer, K. Wernike, B. Hoffmann, M. Beer, A. Haegeman, K. De Clercq, and P. Roy.** 2013. Rapid generation of replication-deficient monovalent and multivalent vaccines for bluetongue virus: protection against virulent virus challenge in cattle and sheep. *J Virol* **87**:9856-9864.
- Chandy, S., R.G. Ulrich, M. Schlegel, R. Petraityte, K. Sasnauskas, D.J. Prakash, V. Balraj, P. Abraham, and G. Sridharan.** 2013. Hantavirus Infection among Wild Small Mammals in Vellore, South India. *Zoon Publ Health* **60**:336-340.
- Cong, V.C.T., Z. Ducheve, and E. Groeneveld.** 2013. Data framework for efficient management of sequence and microsatellite data in biodiversity studies. *Arch Tierzucht* **56**:6.
- Conraths, F.J., D. Kämer, K. Teske, B. Hoffmann, T.C. Mettenleiter, and M. Beer.** 2013. Reemerging Schmallenberg Virus Infections, Germany, 2012. 2013. *Emerg Infect Dis* **19**:513-514.
- Conraths, F.J., M. Peters, and M. Beer.** 2013. Schmallenberg virus, a novel orthobunyavirus infection in ruminants in Europe: Potential global impact and preventive measures. *NZ Vet J* **61**:63-67.
- Coupeau, D., F. Claine, L. Wiggers, M. Beer, N. Kirschvink, and B. Muylkens.** 2013. Characterization of messenger RNA termini in Schmallenberg virus and related Simbuviruses. *J Gen Virol* **94**:2399-2405.
- Couto, N., A. Belas, P. Tilley, I. Couto, L.T. Gama, K. Kadlec, S. Schwarz, and C. Pomba.** 2013. Biocide and antimicrobial susceptibility of methicillin-resistant staphylococcal isolates from horses. *Vet Microbiol* **166**:299-303.
- Cui, L., Y. Wang, Y. Li, T. He, S. Schwarz, Y. Ding, J. Shen, and Y. Lv.** 2013. Cfr-Mediated Linezolid-Resistance among Methicillin-Resistant Coagulase-Negative Staphylococci from Infections of Humans. *PLoS one* **8**:e57096.

Dämmgen, U., A. Berk, C. Otten, W. Brade, N.J. Hutchings, H.-D. Haenel, C. Rösemann, S. Dänicke, and M. Schwerin. 2013. Anticipated changes in the emissions of greenhouse gases and ammonia from pork production due to shifts from fattening of barrows towards fattening of boars. *Landbauforsch - Appl Agric Forestry Res* **63**:47-60.

Dämmgen, U., U. Meyer, C. Rösemann, H.-D. Haenel, and N.J. Hutchings. 2013. Methane emissions from enteric fermentation as well as nitrogen and volatile solids excretions of German calves - a national approach. *Landbauforsch - Appl Agric Forestry Res* **63**:37-46.

Dänicke, S., A. Beineke, S. Rautenschlein, H. Valenta, S. Kersten, and M. Gauly. 2013. *Ascaridia galli* infection affects pullets differently when feed is contaminated with the Fusarium toxin deoxynivalenol (DON). *Vet Parasitol* **198**:351-363.

Dänicke, S. and U. Brezina. 2013. Kinetics and metabolism of the Fusarium toxin deoxynivalenol in farm animals: Consequences for diagnosis of exposure and intoxication and carry over. *Food Chem Tox* **60**:58-75.

Dänicke, S., B. Brosig, S. Kersten, J. Kluess, S. Kahlert, P. Panther, A.-K. Diesing, and H.-J. Rothkötter. 2013. The *Fusarium* toxin deoxynivalenol (DON) modulates the LPS induced acute phase reaction in pigs. *Toxicol Lett* **220**:172-180.

Dänicke, S. and S. Diers. 2013. Effects of ergot alkaloids in feed on performance and liver function of piglets as evaluated by the <sup>13</sup>C-methacetin breath test. *Arch Anim Nutr* **67**:15-36.

Dänicke, S. and S. Diers. 2013. Effects of Ergot Alkaloids on Liver Function of Piglets as Evaluated by the <sup>13</sup>C-Methacetin and <sup>13</sup>C- $\alpha$ -Ketoisocaproic Acid Breath Test. *Toxins* **5**:139-161.

Dautel, H., C. Dippel, A. Werkhausen, and R. Diller. 2013. Efficacy testing of several Ixodes ricinus tick repellents: Different results with different assays. *Ticks Tick-borne Dis* **4**:256-263.

Dean, D., J. Rothschild, A. Ruettger, R.P. Kandel, and K. Sachse. 2013. Zoonotic Chlamydiaceae Species Associated with Trachoma, Nepal. *Emerg Infect Dis* **19**:1948-1955.

Denzin, N., J. Borgwardt, C. Freuling, and T. Müller. 2014. Spatio-temporal analysis of the progression of Aujeszky's disease virus infection in wild boar of Saxony-Anhalt, Germany. *Geospat Health* **8**:203-213.

Deresa, B., F.J. Conraths, and G. Ameni. 2013. Abattoir-based study on the epidemiology of caprine tuberculosis in Ethiopia using conventional and molecular tools. *Acta Vet Scand* **55**:15.

Dokas, J., A. Chadt, T. Nolden, H. Himmelbauer, J.R. Zierath, H.-G. Joost, and H. Al-Hasani. 2013. Conventional knockout of Tbc1d1 in mice impairs insulin- and AICAR-stimulated glucose uptake in skeletal muscle. *Endocrinology* **154**:3502-3514.

Dremsek, P., S. Joel, C. Baechlein, N. Pavio, A. Schielke, M. Ziller, R. Dürrwald, C. Renner, M.H. Groschup, R. Johne, A. Krumbholz, and R.G. Ulrich. 2013. Hepatitis E virus seroprevalence of domestic pigs in Germany determined by a novel in-house and two reference ELISAs. *J Virol Meth* **190**:11-16.

Drexler, J.F., V.M. Corman, M.A. Müller, A.N. Lukashev, A. Gmyl, B. Coutard, A. Adam, D. Ritz, L.M. Leijten, D. van Riel, R. Kallies, S.M. Klose, F. Gloza-Rausch, T. Binger, A. Annan, Y. Adu-Sarkodie, S. Oppong, M. Bourgarel, D. Rupp, B. Hoffmann, M. Schlegel, B.M. Kümmerer, D.H. Krüger, J. Schmidt-Chanasit, A.A. Setién, V.M. Cottontail, T. Hemachudha, S. Wacharapluesadee, K. Osterrieder, R. Bartenschlager, S. Matthee, M. Beer, T. Kuiken, C. Reusken, E.M. Leroy, R.G. Ulrich, and C. Drosten. 2013. Evidence for Novel Hepaciviruses in Rodents. *PLoS Pathog* **9**:e1003438.

Drexler, J.F., A. Geipel, A. König, V.M. Corman, D. van Riel, L.M. Leijten, C.M. Bremer, A. Rasche, V.M. Cottontail, G.D. Maganga, M. Schlegel, M.A. Müller, A. Adam, S.M. Klose, A.J. Borges Carneiro, A. Stöcker, C.R. Franke, F. Gloza-Rausch, J. Geyer, A. Annan, Y. Adu-Sarkodie, S. Oppong, T.

Binger, P. Vallo, M. Tschapka, R.G. Ulrich, W.H. Gerlich, E. Leroy, T. Kuiken, D. Glebe, and C. Drosten. 2013. Bats carry pathogenic hepadnaviruses antigenically related to hepatitis B virus and capable of infecting human hepatocytes. *Proc Natl Acad Sci U S A* **110**:16151-16156.

Du, G.M., M.J. Liu, N. Parvizi, and R.Q. Zhao. 2013. Ectopic expression of ghrelin affects gastric H<sup>+</sup>-K<sup>+</sup>-ATPase activity and expression of GHR/IGF-1 system in weaned mice. *Reg Peptides* **186**:12-17.

Dubey, J.P., E. van Wilpe, D.J.C. Blignaut, G. Schares, and J.H. Williams. 2013. Development of early tissue cysts and associated pathology of *Besnoitia besnoiti* in a naturally infected bull (*Bos taurus*) from South Africa. *J Parasitol* **99**:459-466.

Eblé, P.L., Y. Geurts, S. Quak, H.W. Moonen-Leusen, S. Blome, M.A. Hofmann, F. Koenen, M. Beer, and W.L.A. Loeffen. 2013. Efficacy of chimeric Pestivirus vaccine candidates against classical swine fever: Protection and DIVA characteristics. *Vet Microbiol* **162**:437-446.

Ebrahim, M., S. Kersten, G. Breves, A. Beineke, K. Hermeyer, and S. Dänicke. 2013. Effect of increasing concentrations of deoxynivalenol (DON) in diet on health and performance of laying hens of different genetic background. *Arch Geflügelkd* **77**:1-20.

Ehrhardt, C., A. Rückle, E.R. Hrinčius, E. Haasbach, D. Anhlan, K. Ahmann, C. Banning, S.J. Reiling, J. Kühn, S. Strobl, D. Vitt, J. Leban, O. Planz, and S. Ludwig. 2013. The NF-κB inhibitor SC75741 efficiently blocks influenza virus propagation and confers a high barrier for development of viral resistance. *Cell Microbiol* **15**:1198-1211.

Eidam, C., A. Poehlein, G.B. Michael, K. Kadlec, H. Liesegang, E. Brzuszkiewicz, R. Daniel, M.T. Sweeney, R.W. Murray, J.L. Watts, and S. Schwarz. 2013. Complete Genome Sequence of *Mannheimia haemolytica* Strain 42548 from a Case of Bovine Respiratory Disease. *Genome Announcements* **1**:e00318-13.

El-Adawy, H., H. Hotzel, H. Tomaso, H. Neubauer, E.N. Taboada, R. Ehricht, and H.M. Hafez. 2013. Detection of Genetic Diversity in *Campylobacter jejuni* Isolated from a Commercial Turkey Flock Using *flaA* Typing, MLST Analysis and Microarray Assay. *PLoS one* **8**:e51582.

Elze, J., E. Liebler-Tenorio, M. Ziller, and H. Köhler. 2013. Comparison of prevalence estimation of *Mycobacterium avium* subsp. *paratuberculosis* infection by sampling slaughtered cattle with macroscopic lesions vs. systematic sampling. *Epidemiol Infect* **141**:1536-1544.

Engler, O., G. Savini, A. Papa, J. Figuerola, M.H. Groschup, H. Kampen, J. Medlock, A. Vaux, A.J. Wilson, D. Werner, H. Jöst, M. Goffredo, G. Capelli, V. Federici, M. Tonolla, N. Patocchi, E. Flacio, J. Portmann, A. Rossi-Pedruzzi, S. Mourelatos, S. Ruiz, A. Vázquez, M. Calzolari, P. Bonilauri, M. Dottori, F. Schaffner, A. Mathis, and N. Johnson. 2013. European Surveillance for West Nile Virus in Mosquito Populations. *Int J Environ Res Public Health* **10**:4869-4895.

Faber, M., T. Wollny, M. Schlegel, K.M. Wanka, J. Thiel, C. Frank, D. Rimek, R.G. Ulrich, and K. Stark. 2013. Puumala Virus Outbreak in Western Thuringia, Germany, 2010: Epidemiology and Strain Identification. *Zoon Publ Health* **60**:549-554.

Faes, C., Y. van der Stede, H. Guis, C. Staubach, E. Ducheyne, G. Hendrickx, and K. Mintiens. 2013. Factors affecting Bluetongue serotype 8 spread in Northern Europe in 2006: The geographical epidemiology. *Prev Vet Med* **110**:149-158.

Fast, C., M. Keller, A. Balkema-Buschmann, B. Hills, and M.H. Groschup. 2013. Complementary studies detecting classical bovine spongiform encephalopathy infectivity in jejunum, ileum and ileocaecal junction in incubating cattle. *Vet Res* **44**:123.

Fichtner, D., A. Philipps, M. Groth, H. Schmidt-Posthaus, H. Granzow, M. Dauber, M. Platzer, S.M. Bergmann, D. Schrudde, A. Sauerbrei, and R. Zell. 2013. Characterization of a novel picornavirus isolate from a diseased European eel (*Anguilla anguilla*). *J Virol* **87**:10895-10899.

Fiegl, D., D. Kägebein, E.M. Liebler-Tenorio, T. Weisser, M. Sens, M. Gutjahr, and M.R. Knittler. 2013. Amphisomal Route of MHC Class I Cross-Presentation in Bacteria-Infected Dendritic Cells. *J Immunol* **190**:2791-2806.

Fischer, M., B. Hoffmann, K.V. Goller, D. Höper, K. Wernike, and M. Beer. 2013. A „hot spot of mutation“ in the Schmallenberg virus M-segment. *J Gen Virol* **94**:1161-1167.

Fischer, M., H. Schirrmeier, K. Wernike, A. Wegelt, M. Beer, and B. Hoffmann. 2013. Development of a pan-Simbu real-time reverse transcriptase PCR for the detection of Simbu serogroup viruses and comparison with SBV diagnostic PCR systems. *Virology J* **10**:327.

Fischer, M., K. Wernike, C.M. Freuling, T. Müller, O. Aylan, B. Brochier, F. Cliquet, S. Vázquez-Morón, P. Hostnik, A. Huovilainen, M. Isaksson, E.A. Kooi, J. Mooney, M. Turcitu, T.B. Rasmussen, S. Revilla-Fernández, M. Smreczak, A.R. Fooks, D.A. Marston, M. Beer, and B. Hoffmann. 2013. A Step Forward in Molecular Diagnostics of Lyssaviruses - Results of a Ring Trial among European Laboratories. *PLoS one* **8**:e58372.

Fischer, U., E.O. Koppang, and T. Nakanishi. 2013. Teleost T and NK cell immunity. *Fish Shellfish Immunol* **35**:197-206.

Flachowsky, G., M. Gruen, and U. Meyer. 2013. Feed-efficient ruminant production: opportunities and challenges. *J Anim Feed Sci* **22**:177-178.

Forsbach-Birk, V., C. Foddis, U. Simnacher, M. Wilkat, D. Longbottom, G. Walder, C. Benesch, M. Ganter, K. Sachse, and A. Essig. 2013. Profiling Antibody Responses to Infections by *Chlamydia abortus* Enables Identification of Potential Virulence Factors and Candidates for Serodiagnosis. *PLoS one* **8**:e80310.

Frangoulidis, D., W.D. Splettstoesser, O. Landt, J. Dehnhardt, K. Henning, A. Hilbert, T. Bauer, M. Antwerpen, H. Meyer, M.C. Walter, and J.K.-M. Knobloch. 2013. Microevolution of the Chromosomal Region of Acute Disease Antigen A (*adaA*) in the Query (Q) Fever Agent *Coxiella burnetii*. *PLoS one* **8**:e53440.

Freuling, C.M., B. Abendroth, M. Beer, M. Fischer, D. Hanke, B. Hoffmann, D. Höper, F. Just, T.C. Mettenleiter, J. Schatz, and T. Müller. 2013. Molecular diagnostics for the detection of Bokeloh bat lyssavirus in a bat from Bavaria, Germany. *Virus Res* **177**:201-204.

Freuling, C.M., K. Hampson, T. Selhorst, R. Schröder, F.X. Meslin, T.C. Mettenleiter, and T. Müller. 2013. The elimination of fox rabies from Europe: determinants of success and lessons for the future. *Phil Trans R Soc B* **368**:20120142.

Fritscher-Ravens, A., T. Cuming, S. Dhar, S.V.J. Parupudi, K. Patel, A. Ghanbari, C. Holland, K.G. Haderler, A. Arlt, and M. Ellrichmann. 2012. Endoscopic ultrasound-guided fine needle aspiration training: evaluation of a new porcine lymphadenopathy model for in vivo hands-on teaching and training, and review of the literature. *Endoscopy* **45**:114-120.

Fritscher-Ravens, A., P. Milla, M. Ellrichmann, I. Hellwig, M. Böttner, K.-G. Haderler, and T. Wedel. 2013. A novel endoscopic prototype device for gastric full-thickness biopsy for the histopathologic diagnosis of GI neuromuscular pathology: in vivo porcine long-term survival study (with videos). *Gastrointest Endosc* **77**:262-271.

García-Lunar, P., L.M. Ortega-Mora, G. Schares, N.S. Gollnick, P. Jacquiet, C. Grisez, F. Prevot, C.F. Frey, B. Gottstein, and G. Álvarez-García. 2013. An Inter-Laboratory Comparative Study of Serological Tools Employed in the Diagnosis of *Besnoitia besnoiti* Infection in Bovines. *Transbound Emerg Dis* **60**:59-68.

Gauly, M., H. Bollwein, G. Breves, K. Brügemann, S. Dänicke, G. Daş, J. Demeler, H. Hansen, J. Isselstein, S. König, M. Lohölter, M. Martinsohn, U. Meyer, M. Potthoff, C. Sanker, B. Schröder, N. Wrage, B. Meibaum, G. von Samson-Himmelstjerna, H. Stinshoff, and C. Wrenzycki. 2013. Future

consequences and challenges for dairy cow production systems arising from climate change in Central Europe - a review. *Animal* 7:843-859.

Georgiev, M., A. Afonso, H. Neubauer, H. Needham, R. Thiéry, A. Rodolakis, H.J. Roest, K.D. Stärk, J.A. Stegeman, P. Vellema, W. van der Hoek, and S.J. More. 2013. Q fever in humans and farm animals in four European countries, 1982 to 2010. *Eurosurveillance* 18:20407.

Gerritzen, M.A., V.A. Hindle, K. Steinkamp, H.G.M. Reimert, J.T.N. van der Werf, and M. Marahrens. 2013. The effect of reduced loading density on pig welfare during long distance transport. *Animal* 7:1849-1857.

Gilbert, A.T., A.R. Fooks, D.T.S. Hayman, D.L. Horton, T. Müller, R. Plowright, A.J. Peel, R. Bowen, J.L.N. Wood, J. Mills, A.A. Cunningham, and C.E. Rupprecht. 2013. Deciphering Serology to Understand the Ecology of Infectious Diseases in Wildlife. *EcoHealth* 10:298-313.

Globig, A., S.R. Fereidouni, T.C. Harder, C. Grund, M. Beer, T.C. Mettenleiter, and E. Starick. 2013. Consecutive Natural Influenza A Virus Infections in Sentinel Mallards in the Evident Absence of Subtype-Specific Hemagglutination Inhibiting Antibodies. *Transbound Emerg Dis* 60:395-402.

Goller, K.V., J. Fickel, H. Hofer, S. Beier, and M.L. East. 2013. Coronavirus genotype diversity and prevalence of infection of wild carnivores in the Serengeti National Park, Tanzania. *Arch Virol* 158:729-734.

Gómez-Sanz, E., K. Kadlec, A.T. Feßler, C. Billerbeck, M. Zarazaga, S. Schwarz, and C. Torres. 2013. Analysis of a novel *erm*(T) and *cadDX*-carrying plasmid from methicillin-susceptible *Staphylococcus aureus* ST398-t571 of human origin. *J Antimicrob Chemother* 68:471-473.

Gómez-Sanz, E., K. Kadlec, A.T. Feßler, M. Zarazaga, C. Torres, and S. Schwarz. 2013. Novel *erm*(T)-Carrying Multiresistance Plasmids from Porcine and Human Isolates of Methicillin-Resistant *Staphylococcus aureus* ST398 That Also Harbor Cadmium and Copper Resistance Determinants. *Antimicrob Agents Chemother* 57:3275-3282.

Gómez-Sanz, E., K. Kadlec, A.T. Feßler, M. Zarazaga, C. Torres, and S. Schwarz. 2013. A Novel FexA Variant from a Canine *Staphylococcus pseudintermedius* Isolate That Does Not Confer Florfenicol Resistance. *Antimicrob Agent Chemother* 57:5763-5766.

Gómez-Sanz, E., M. Zarazaga, K. Kadlec, S. Schwarz, and C. Torres. 2013. Chromosomal integration of the novel plasmid pUR3912 from methicillin-susceptible *Staphylococcus aureus* ST398 of human origin. *Clin Microbiol Infect* 19:E519-E522.

González-Serrano, A.F., V. Pirro, C.R. Ferreira, P. Oliveri, L.S. Eberlin, J. Heinzmann, A. Lucas-Hahn, H. Niemann, and R.G. Cooks. 2013. Desorption Electrospray Ionization Mass Spectrometry Reveals Lipid Metabolism of Individual Oocytes and Embryos. *PLoS one* 8:e74981.

Gotesman, M., J. Kattlun, S.M. Bergmann, and M. El-Matbouli. 2013. CyHV-3: the third cyprinid herpesvirus. *Dis Aquat Org* 105:163-174.

Groeneveld, E. and V.C.T. Cong. 2013. A database for efficient storage and management of multi panel SNP data. *Archiv Tierzucht* 56:103.

Grunow, R., S.R. Klee, W. Beyer, M. George, D. Grunow, A. Barduhn, S. Klar, D. Jacob, M. Elschner, P. Sandven, A. Kjerulf, J.S. Jensen, W. Cai, R. Zimmermann, and L. Schaade. 2013. Anthrax among heroin users in Europe possibly caused by same *Bacillus anthracis* strain since 2000. *Eurosurveillance* 18:13.

Guenther, S., J. Wuttke, A. Bethe, J. Vojtěch, K. Schaufler, T. Semmler, R.G. Ulrich, L.H. Wieler, and C. Ewers. 2013. Fecal carriage of Extended-spectrum beta-lactamase-producing *E. coli* in urban rats, a risk for public health? *Antimicrob Agents Chemother* 57:2424-2425.



- Haasbach, E., S.J. Reiling, C. Ehrhardt, K. Droebner, A. Rückle, E.R. Hrincius, J. Leban, S. Strobl, D. Vitt, S. Ludwig, and O. Planz. 2013. The NF-kappaB inhibitor SC75741 protects mice against highly pathogenic avian influenza A virus. *Antiviral Res* **99**:336-344.
- Häussler, S., D. Germeroth, K. Friedauer, S.H. Akter, S. Dänicke, and H. Sauerwein. 2013. Characterization of the dynamics of fat cell turnover in different bovine adipose tissue depots. *Res Vet Sci* **95**:1142-1150.
- Halawa, A., S. Dänicke, S. Kersten, and G. Breves. 2013. Intestinal transport of deoxynivalenol across porcine small intestines. *Arch Anim Nutr* **67**:134-146.
- Halle, I., H. Kluth, and S. Dänicke. 2013. Einfluss einer Staffelung der Protein-Energie-Konzentration im Futter auf das Wachstum von Stubenküken unterschiedlicher Herkunft. *Arch Geflügelk* **77**:223-229.
- Halle, I., and F. Schöne. 2013. Influence of rapeseed cake, linseed cake and hemp seed cake on laying performance of hens and fatty acid composition of egg yolk. *J Verbr Lebensm* **8**:185-193.
- Hamoudi, H., J.-C. Rudnick, J.U. Prause, K. Tauscher, A. Breithaupt, J.P. Teifke, and S. Heegaard. 2013. Anterior segment dysgenesis (Peters' anomaly) in two snow leopard (*Panthera uncia*) cubs. *Vet Ophthalmol* **16** (Suppl. 1):130-134.
- Harder, T.C., E. grosse Beilage, E. Lange, C. Meiners, S. Döhring, S. Pesch, T. Noé, C. Grund, M. Beer, and E. Starick. 2013. Expanded co-circulation of stable subtypes, emerging lineages and new sporadic reassortants of porcine influenza viruses in swine populations in Northwest Germany. *J Virol* **87**:10460-10476.
- Harder, T.C., U. Siebert, P. Wohlsein, and T. Vahlenkamp. 2013. Influenza A virus infections in marine mammals and terrestrial carnivores. *Berl Münch Tierärztl Wschr* **126**:500-508.
- Hartmann, D., H. Bollwein, Ä. Honnens, H. Niemann, D. Rath, and C. Pfarrer. 2013. Protracted induction of parturition enhances placental maturation, but does not influence incidence of placental retention in cows. *Theriogenology* **80**:185-192.
- Hartmann, D., Ä. Honnens, M. Piechotta, J. Lüttgenau, H. Niemann, D. Rath, and H. Bollwein. 2013. Effects of a protracted induction of parturition on the incidence of retained placenta and assessment of uterine artery blood flow as a measure of placental maturation in cattle. *Theriogenology* **80**:176-184.
- Hassan, M.K., Y. Jobre, A. Arafa, E.M. Abdelwhab, W.H. Kilany, S.G. Khoulosy, N.R. Bakry, E. Baile, A. Ali, P. Ankers, and J. Lubroth. 2013. Detection of A/H5N1 virus from asymptomatic native ducks in mid-summer in Egypt. *Arch Virol* **158**:1361-1365.
- Hauschild-Quintern, J., B. Petersen, G.J. Cost, and H. Niemann. 2013. Gene knockout and knockin by zinc-finger nucleases: Current status and perspectives. *Cell Mol Life Sci* **70**:2969-2983.
- Hauschild-Quintern, J., B. Petersen, A.-L. Queisser, A. Lucas-Hahn, R. Schwinzer, and H. Niemann. 2013. Gender non-specific efficacy of ZFN mediated gene targeting in pigs. *Transgenic Res* **22**:1-3.
- Hechinger, S., K. Wernike, and M. Beer. 2013. Evaluating the protective efficacy of a trivalent vaccine containing Akabane virus, Aino virus and Chuzan virus against Schmallenberg virus infection. *Vet Res* **44**:114.
- Herrmann, D., J.A. Dahl, A. Lucas-Hahn, P. Collas, and H. Niemann. 2013. Histone modifications and mRNA expression in the inner cell mass and trophectoderm of bovine blastocysts. *Epigenetics* **8**:281-289.
- Herrmann, D.C., G. Wibbelt, M. Götz, F.J. Conraths, and G. Schares. 2013. Genetic characterization of *Toxoplasma gondii* isolates from European beavers (*Castor fiber*) and European wildcats (*Felis silvestris silvestris*). *Vet Parasitol* **191**:108-111.

- Hochberger, J., P. Köhler, E. Kruse, J. Hüppertz, M. Delvaux, G. Gay, and E. Wedi. 2013. Endoskopische Submukosadisektion. *Der Internist* **54**:287-301.
- Hoffmann, B., C. Schulz, and M. Beer. 2013. First detection of Schmallenberg virus RNA in bovine semen, Germany, 2012. *Vet Microbiol* **167**:289-295.
- Huang, Y., M. Runge, G.B. Michael, S. Schwarz, A. Jung, and D. Steinhagen. 2013. Biochemical and molecular heterogeneity among isolates of *Yersinia ruckeri* from rainbow trout (*Oncorhynchus mykiss*, Walbaum) in north west Germany. *BMC Vet Res* **9**:215.
- Hütter, J., J.V. Rödig, D. Höper, P.H. Seeberger, U. Reichl, E. Rapp, and B. Lepenies. 2013. Toward Animal Cell Culture-Based Influenza Vaccine Design: Viral Hemagglutinin N-Glycosylation Markedly Impacts Immunogenicity. *J Immunol* **190**:220-230.
- Jäckel, S., M. Eiden, A. Balkema-Buschmann, M. Ziller, P. Jansen van Vuren, J.T. Paweska, and M.H. Groschup. 2013. A novel indirect ELISA based on glycoprotein Gn for the detection of IgG antibodies against Rift Valley fever virus in small ruminants. *Res Vet Sci* **95**:725-730.
- Jäckel, S., M. Eiden, B.O. El Mamy, K. Isselmou, A. Vina-Rodriguez, B. Doumbia and M.H. Groschup. 2013. Molecular and Serological Studies on the Rift Valley Fever Outbreak in Mauritania in 2010. *Transbound Emerg Dis* **60**:31-39.
- Jandowsky, A., A. Bodenthin, C. Seyboldt, and K. Frölich. 2013. Plötzlicher Tod durch *Clostridium novyi* bei Schweinen in Freilandhaltung. *Tierärztl Prax* **41**(G):392-395.
- Jia, Y., R. Li, R. Cong, X. Yang, Q. Sun, N. Parvizi, and R. Zhao. 2013. Maternal Low-Protein Diet Affects Epigenetic Regulation of Hepatic Mitochondrial DNA Transcription in a Sex-Specific Manner in Newborn Piglets Associated with GR Binding to Its Promoter. *PLoS one* **8**:e63855.
- Jores, J., A. Fischer, P. Sirand-Pugnet, A. Thomann, E.M. Liebler-Tenorio, C. Schnee, I. Santana-Cruz, M. Heller, and J. Frey. 2013. *Mycoplasma feriruminatoris* sp. nov., a fast growing *Mycoplasma* species isolated from wild *Caprinae*. *Syst Appl Microbiol* **36**:533-538.
- Jost, D.I., M. Aschemann, P. Lebzien, R.G. Joergensen, and A. Sundrum. 2013. Microbial biomass in faeces of dairy cows affected by a nitrogen deficient diet. *Arch Anim Nutr* **67**:104-118.
- Kalthoff, D., M. Beer, and B. Hoffmann. 2013. High resolution melting analysis: rapid and precise characterisation of recombinant influenza A genomes. *Virology J* **10**:428.
- Kalthoff, D., S. Röhrs, D. Höper, B. Hoffmann, J. Bogs, J. Stech, and M. Beer. 2013. Truncation and sequence shuffling of segment 6 generate replication-competent neuraminidase-negative influenza H5N1 viruses. *J Virol* **87**:13556-13568.
- Kampen, H., M. Kronefeld, D. Zielke, and D. Werner. 2013. Further specimens of the Asian tiger mosquito *Aedes albopictus* (Diptera, Culicidae) trapped in southwest Germany. *Parasitol Res* **112**:905-907.
- Kampen, H., M. Kronefeld, D. Zielke, and D. Werner. 2013. Three rarely encountered and one new *Culiseta* species (Diptera: Culicidae) in Germany. *J Eur Mosq Control Assoc* **31**:36-39.
- Karadas, G. S. Sharbati, I. Hänel, U. Messelhäuser, E. Glocker, T. Alter, and G. Gölz. 2013. Presence of virulence genes, adhesion and invasion of *Arcobacter butzleri*. *J Appl Microbiol* **115**:583-590.
- Karger, A., F. Melzer, M. Timke, B. Bettin, M. Kostrzewa, K. Nöckler, A. Hohmann, H. Tomaso, H. Neubauer, and S. Al Dahouk. 2013. Interlaboratory Comparison of Intact-Cell Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry Results for Identification and Differentiation of *Brucella* spp. *J Clin Microbiol* **51**:3123-3126.

- Kasnitz, N., H. Köhler, M. Weigoldt, G.-F. Gerlach, and P. Möbius. 2013. Stability of genotyping target sequences of *Mycobacterium avium* subsp. *paratuberculosis* upon cultivation on different media, *in vitro*- and *in vivo* passage, and natural infection. *Vet Microbiol* **167**:573-583.
- Kattlun, J., M. Gotesman, S.M. Bergmann, and M. El-Matbouli. 2013. Die Erkrankung der Karpfen (*Cyprinus carpio*) mit dem Cypriniden Herpesvirus 3 (CyHV-3) - ein Update. *Wien Tierärztl Monat* **100**:72-84.
- Kgaladi, J., N. Wright, J. Coertse, W. Markotter, D. Marston, A.R. Fooks, C.M. Freuling, T.F. Müller, C.T. Sabeta, and L.H. Nel. 2013. Diversity and Epidemiology of Mokola Virus. *PLoS Negl Trop Dis* **7**:e2511.
- Khan, I., S. Ali, M. Gwida, M.C. Elschner, M. Ijaz, A.A. Anjum, and H. Neubauer. 2013. Prevalence of *Burkholderia mallei* in Equids of Remount Depot, Sargodha, Pakistan. *Pakistan J Zool* **45**:1751-1756.
- Khan, I., L.H. Wieler, F. Melzer, M.C. Elschner, G. Muhammad, S. Ali, L.D. Sprague, H. Neubauer, and M. Saqib. 2013. Glanders in Animals: A Review on Epidemiology, Clinical Presentation, Diagnosis and Countermeasures. *Transbound Emerg Dis* **60**:204-221.
- Khouchane, K., F. Berri, W. Nacken, A.B. Vogel, M. Delenne, E. Camerer, S.R. Coughlin, P. Carmeliet, B. Lina, G.F. Rimmelzwaan, O. Planz, S. Ludwig, and B. Riteau. 2013. PAR1 contributes to influenza A virus pathogenicity in mice. *J Clin Invest* **123**:206-214.
- Kindler, E., E. Trojnar, G. Heckel, P.H. Otto, and R. Johne. 2013. Analysis of rotavirus species diversity and evolution including the newly determined full-length genome sequences of rotavirus F and G. *Infect Genet Evol* **14**:58-67.
- Kjaer, J.B., and W. Bessei. 2013. The interrelationships of nutrition and feather pecking in the domestic fowl - A review. *Arch Geflügelk* **77**:1-9.
- Klauke, T.N., M. Piñeiro, S. Schulze-Geisthövel, S. Plattes, T. Selhorst, and B. Petersen. 2013. Coherence of animal health, welfare and carcass quality in pork production chains. *Meat Sci* **95**:704-711.
- Klaus, C., U. Hörügel, B. Hoffmann, and M. Beer. 2013. Tick-borne encephalitis virus (TBEV) infection in horses: Clinical and laboratory findings and epidemiological investigations. *Vet Microbiol* **163**:368-372.
- Klempa, B., T. Avsic-Zupanc, J. Clement, T.K. Dzagurova, H. Henttonen, P. Heyman, F. Jakab, D.H. Krüger, P. Maes, A. Papa, E.A. Tkachenko, R.G. Ulrich, O. Vapalahti, and A. Vaheri. 2013. Complex evolution and epidemiology of Dobrava-Belgrade hantavirus: definition of genotypes and their characteristics. *Arch Virol* **158**:521-529.
- Konschake, M., H.H.K. Lentz, F.J. Conraths, P. Hövel, and T. Selhorst. 2013. On the Robustness of In- and Out-Components in a Temporal Network. *PLoS one* **8**:e55223.
- Kortekaas, J., J. Kant, R. Vloet, C. Cêtre-Sossah, P. Marianneau, S. Lacote, A.C. Banyard, C. Jeffries, M. Eiden, M. Groschup, S. Jäckel, E. Hevia, and A. Brun. 2013. European ring trial to evaluate ELISAs for the diagnosis of infection with Rift Valley fever virus. *J Virol Meth* **187**:177-181.
- Korytář, T., J. Jaros, M. Verleih, A. Rebl, G. Kotterba, C. Kühn, T. Goldammer, and B. Köllner. 2013. Novel insights into the peritoneal inflammation of rainbow trout (*Oncorhynchus mykiss*). *Fish Shellfish Immunol* **35**:1192-1199.
- Korytář, T., H.D. Thi, F. Takizawa, and B. Köllner. 2013. A multicolour flow cytometry identifying defined leukocyte subsets of rainbow trout (*Oncorhynchus mykiss*). *Fish Shellfish Immunol* **35**:2017-2019.

- Kramer, R., S. Wolf, T. Petri, D. von Soosten, S. Dänicke, E.-M. Weber, R. Zimmer, J. Rehage, and G. Jahreis. 2013. A commonly used rumen-protected conjugated linoleic acid supplement marginally affects fatty acid distribution of body tissues and gene expression of mammary gland in heifers during early lactation. *Lipids Health Dis* 12:96.
- Kranis, A., A.A. Gheyas, C. Boschiero, F. Turner, L. Yu, S. Smith, R. Talbot, A. Pirani, F. Brew, P. Kaiser, P.M. Hocking, M. Fife, N. Salmon, J. Fulton, T.M. Strom, G. Haberer, S. Weigend, R. Preisinger, M. Gholami, S. Qanbari, H. Simianer, K.A. Watson, J.A. Woolliams, and D.W. Burt. 2013. Development of a high density 600K SNP genotyping array for chicken. *BMC Genomics* 14:59.
- Krautwald-Junghanns, E.-M., J. Stolze, V. Schmidt, J. Böhme, K. Sachse, and K. Cramer. 2013. Wirksamkeit von Doxycyclin bei Chlamydiosen in Taubenbeständen. *Tierärztl Prax* 41(K):392-395.
- Kreibich, A., O. Stech, J. Hundt, M. Ziller, T.C. Mettenleiter, and J. Stech. 2013. Avian Influenza Virus H3 Hemagglutinin May Enable High Fitness of Novel Human Virus Reassortants. *PLoS one* 8:e79165.
- Kretzschmar, K., S. Weigend, H. Steingass, M. Schmutz, R. Preisinger, and S. Dänicke. 2013. Interaktionen zwischen flavinhaltiger Monooxygenase 3 (FMO3) und der Fütterung von Ackerbohnen und Rapskuchen auf den Trimethylamin (TMA)-gehalt im Eidotter von Legehennen. *Arch Geflügelk* 77:145-154.
- Krumbholz, A., S. Joel, A. Neubert, P. Dremsek, R. Dürrwald, R. Johne, A. Hlinak, M. Walther, J. Lange, P. Wutzler, A. Sauerbrei, R.G. Ulrich, and R. Zell. 2013. Age-related and regional differences in the prevalence of hepatitis E virus-specific antibodies in pigs in Germany. *Vet Microbiol* 167:394-402.
- Kuczius, T. and M.H. Groschup. 2013. Regional phenotypes of cellular prion proteins in human brains identified by differential detergent solubility. *Brain Res* 1507:19-27.
- Kuczius, T. and M.H. Groschup. 2013. Cellular prion proteins in humans and cattle but not sheep are characterized by a low-solubility phenotype. *Comp Immunol Microbiol Infect Dis* 36:599-605.
- Kuehn, A., C. Schulze, P. Kutzer, C. Probst, A. Hlinak, A. Ochs, and R. Grunow. 2013. Tularaemia seroprevalence of captured and wild animals in Germany: the fox (*Vulpes vulpes*) as a biological indicator. *Epidemiol Infect* 141:833-840.
- Kuerpick, B., F.J. Conraths, C. Staubach, A. Fröhlich, T. Schnieder, and C. Strube. 2013. Seroprevalence and GIS-supported risk factor analysis of *Fasciola hepatica* infections in dairy herds in Germany. *Parasitology* 140:1051-1060.
- Kues, W.A., D. Herrmann, B. Barg-Kues, S. Meena Haridoss, M. Nowak-Imialek, T. Buchholz, M. Streeck, A. Grebe, I. Grabundzija, S. Merkert, U. Martin, V.J. Hall, M.A. Rasmussen, Z. Ivicz, P. Maddox-Hyttel, and H. Niemann. 2012. Derivation and characterization of Sleeping Beauty transposon-mediated porcine induced pluripotent stem cells. *Stem Cells Dev* 22:125-134.
- Kues, W.A., T.R. Talluri, and W. Garrels. 2013. Delineating the placental maternal-fetal interface. *Mol Reprod Dev* 80:959.
- Kullik, K., B. Brosig, S. Kersten, H. Valenta, A.-K. Diesing, P. Panther, N. Reinhardt, J. Kluess, H.-J. Rothkötter, G. Breves, and S. Dänicke. 2013. Interactions between the *Fusarium* toxin deoxynivalenol and lipopolysaccharides on the *in vivo* protein synthesis of acute phase proteins, cytokines and metabolic activity of peripheral blood mononuclear cells in pigs. *Food Chem Tox* 57:11-20.
- Kullik, K., B. Brosig, S. Kersten, H. Valenta, A.-K. Diesing, P. Panther, N. Reinhardt, J. Kluess, H.-J. Rothkötter, G. Breves, and S. Dänicke. 2013. Interactions of deoxynivalenol and lipopolysaccharides on tissue protein synthesis in pigs. *World Mycotox J* 6:185-197.

- LaMarre, J., R.E. Mendes, T. Szal, S. Schwarz, R.N. Jones, and A.S. Mankin. 2013. The Genetic Environment of the *cf*r Gene and the Presence of Other Mechanisms Account for the Very High Linezolid Resistance of *Staphylococcus epidermidis* Isolate 426-3147L. *Antimicrob Agents Chemother* **57**:1173-1179.
- Leclair, L.A., G.Z. MacDonald, L.J. Phalen, B. Köllner, N.S. Hogan, and M.R. van den Heuvel. 2013. The immunological effects of oil sands surface waters and naphthenic acids on rainbow trout (*Oncorhynchus mykiss*). *Aquat Toxicol* **142-143**:185-194.
- Leifer, I., N. Ruggli, and S. Blome. 2013. Approaches to define the viral genetic basis of classical swine fever virus virulence. *Virology* **438**:51-55.
- Lentz, H.H.K., T. Selhorst, and I.M. Sokolov. 2013. Unfolding Accessibility Provides a Macroscopic Approach to Temporal Networks. *Phys Rev Lett* **110**:118701.
- Li, B., S. Wendlandt, J. Yao, Y. Liu, Q. Zhang, Z. Shi, J. Wei, D. Shao, S. Schwarz, S. Wang, and Z. Ma. 2013. Detection and new genetic environment of the pleuromutilin-lincosamide-streptogramin A resistance gene *Isa(E)* in methicillin-resistant *Staphylococcus aureus* of swine origin. *J Antimicrob Chemother* **68**:1251-1255.
- Liu, P., Y. Hu, R. Grossmann, and R. Zhao. 2013. *In ovo* leptin administration accelerates post-hatch muscle growth and changes myofibre characteristics, gene expression and enzymes activity in broiler chickens. *J Anim Physiol Anim Nutr* **97**:887-895.
- Liu, Y., Y. Wang, S. Schwarz, Y. Li, Z. Shen, Q. Zhang, C. Wu, and J. Shen. 2013. Transferable Multiresistance Plasmids Carrying *cf*r in *Enterococcus* spp. from Swine and Farm Environment. *Antimicrob Agents Chemother* **57**:42-48.
- Lohölter, M., U. Meyer, C. Rauls, J. Rehage, and S. Dänicke. 2013. Effects of niacin supplementation and dietary concentrate proportion on body temperature, ruminal pH and milk performance of primiparous dairy cows. *Arch Anim Nutr* **67**:202-218.
- Lohölter, M., R. Rehage, U. Meyer, P. Lebzien, J. Rehage, and S. Dänicke. 2013. Evaluation of a device for continuous measurement of rumen pH and temperature considering localization of measurement and dietary concentrate proportion. *Landbauforsch - Appl Agric Forestry Res* **63**:61-68.
- López, S.R., J.C. de Souza, J.Z. González, A. De Ondiz Sánchez, J. Romero-Aguirregomezcorta, R.R. de Carvalho, and D. Rath. 2013. Use of sex-sorted and unsorted frozen/thawed sperm and *in vitro* fertilization events in bovine oocytes derived from ultrasound-guided aspiration. *R Bras Zootec* **42**:721-727.
- López-Gil, E., G. Lorenzo, E. Hevia, B. Borrego, M. Eiden, M. Groschup, S.C. Gilbert, and A. Brun. 2013. A Single Immunization with MVA Expressing GnGc Glycoproteins Promotes Epitope-specific CD8+ T Cell Activation and Protects Immune-competent Mice against a Lethal RVFV Infection. *PLoS Negl Trop Dis* **7**:e2309.
- Lyimo, C.M., A. Weigend, U. Janßen-Tapken, P.L. Msoffe, H. Simianer, and S. Weigend. 2013. Assessing the genetic diversity of five Tanzanian chicken ecotypes using molecular tools. *South Afr J Anim Sci* **43**:499-510. (Pub 09/2013)
- MacDonald, G.Z., N.S. Hogan, B. Köllner, K.L. Thorpe, L.J. Phalen, B.D. Wagner, and M.R. van den Heuvel. 2013. Immunotoxic effects of oil sands-derived naphthenic acids to rainbow trout. *Aquat Tox* **126**:95-103.
- Maksimov, P., J. Zerweck, J.P. Dubey, N. Pantchev, C.F. Frey, A. Maksimov, U. Reimer, M. Schutkowski, M. Hosseininejad, M. Ziller, F.J. Conraths, and G. Schares. 2013. Serotyping of *Toxoplasma gondii* in Cats (*Felis domesticus*) Reveals Predominance of Type II Infections in Germany. *PLoS one* **8**:e80213.

- Malkwitz, I., A. Berndt, A. Dausgies, and B. Bangoura. 2013. Long-term investigations on *Toxoplasma gondii*-infected primary chicken macrophages. *Parasitol Res* 112:3115-1322.
- Marenzoni, M.L., V. Stefanetti, P. Papa, P. Casagrande Proietti, A. Bietta, M. Coletti, F. Passamonti, and K. Henning. 2013. Is the horse a reservoir or an indicator of *Coxiella burnetii* infection? Systematic review and biomolecular investigation. *Vet Microbiol* 167:662-669.
- McElhinney, L.M., D.A. Marston, S. Leech, C.M. Freuling, W.H.M. van der Poel, J. Echevarria, S. Vázquez-Moron, D.L. Horton, T. Müller, and A.R. Fooks. 2013. Molecular Epidemiology of Bat Lyssaviruses in Europe. *Zoon Publ Health* 60:35-45.
- Meemken, D., T. Blaha, H. Hotzel, B. Strommenger, G. Klein, R. Ehricht, S. Monecke, and C. Kehrenberg. 2013. Genotypic and Phenotypic Characterization of *Staphylococcus aureus* Isolates from Wild Boars. *Appl Environ Microbiol* 79:1739-1742.
- Mendes, R.E., L.M. Deshpande, H.F. Bonilla, S. Schwarz, M.D. Huband, R.N. Jones, and J.P. Quinn. 2013. Dissemination of a pSCFS3-like *cfr*-carrying plasmid in *Staphylococcus aureus* and *Staphylococcus epidermidis* Clinical Isolates Recovered from Hospitals in Ohio. *Antimicrob Agents Chemother* 57:2923-2928.
- Mertens, M., K. Schmidt, A. Ozkul, and M.H. Groschup. 2013. The impact of Crimean-Congo hemorrhagic fever virus on public health. *Antiviral Res* 98:248-260.
- Mettenleiter, T.C., F. Müller, H. Granzow, and B.G. Klupp. 2013. The way out: what we know and do not know about herpesvirus nuclear egress. *Cell Microbiol* 15:170-178.
- Meyer, A., F.J. Conraths, C. Schneemann, V. Wienrich, O. Kershaw, and A.D. Gruber. 2013. Letale alveoläre Echinokokkose bei einem Hund: Klinik und Pathologie. *Berl Münch Tierärztl Wsch* 126:408-414.
- Milicevic, V., K. Dietze, B. Plavsic, M. Tikvicki, J. Pinto, and K. Depner. 2013. Oral vaccination of backyard pigs against classical swine fever. *Vet Microbiol* 163:167-171.
- Minh, L.Q., V.C. Cuong, P.T.P. Mai, G.T.T. Nhan, T.X. Toan, L.N. Tuan, G.M. Keil, and T.X. Hoan. 2014. Role of Bovine Bcl2A1 Gene in Staurosporine-Induced Apoptotic Cell Lines. *J Biol Life Sci* 4:154-166.
- Minharro, S., J.P. Silva Mol, E.M.S. Dorneles, R.B. Pauletti, H. Neubauer, F. Melzer, F.P. Poester, M.G. Dasso, E.S. Pinheiro, P.M. Soares Filho, R.L. Santos, M.B. Heinemann, and A.P. Lage. 2013. Biotyping and Genotyping (MLVA16) of *Brucella abortus* Isolated from Cattle in Brazil, 1977 to 2008. *PLoS one* 8:e81152.
- Monecke, S., A. Ruppelt, S. Wendlandt, S. Schwarz, P. Slickers, R. Ehricht, and S. Cortez de Jäckel. 2013. Genotyping of *Staphylococcus aureus* isolates from diseased poultry. *Vet Microbiol* 162:806-812.
- Moré, G., S. Schares, A. Maksimov, F.J. Conraths, M.C. Venturini, and G. Schares. 2013. Development of a multiplex real time PCR to differentiate *Sarcocystis* spp. affecting cattle. *Vet Parasitol* 197:85-94.
- Müller, U., K. Sachse, K. Kemmerling, C. Rietz, and H. Sauerwein. 2013. Identification of certain management practices and health data associated with *Chlamydia* infection status in German dairy herds. *Vet J* 197:905-907.
- Müller, W., H. Hotzel, P. Otto, A. Karger, B. Bettin, H. Bocklisch, S. Braune, U. Eskens, S. Hörmansdorfer, R. Konrad, A. Nessler, M. Peters, M. Runge, G. Schmoock, B.-A. Schwarz, R. Sting, E. Karlsson, M. Forsman, and H. Tomaso. 2013. German *Francisella tularensis* isolates from European brown hares (*Lepus europaeus*) reveal genetic and phenotypic diversity. *BMC Microbiol* 13:61.

Muñoz, L.J., D. Ludeña, A. Gedvilaite, A. Zvirbliene, B. Jandrig, T. Voronkova, R.G. Ulrich, and D.E. López. 2013. Lymphoma outbreak in a GASH:Sal hamster colony. *Arch Virol* **158**:2255-2265.

Mwakapuja, R.S., Z.E. Makondo, J. Malakalinga, W. Bryssinckx, R.H. Mdegela, I. Moser, R.R. Kazwala, and M. Tanner. 2013. Prevalence and significant geospatial clusters of bovine tuberculosis infection at livestock-wildlife interface ecosystem in Eastern Tanzania. *Trop Anim Health Prod* **45**:1223-1230.

Mwakapuja, R.S., Z.E. Makondo, J. Malakalinga, I. Moser, R.R. Kazwala, and M. Tanner. 2013. Molecular characterization of *Mycobacterium bovis* isolates from pastoral livestock at Mikumi-Selous ecosystem in the eastern Tanzania. *Tuberculosis* **93**:668-674.

Neumann, P., J.D. Evans, J.S. Pettis, C.W.W. Pirk, M.O. Schäfer, G. Tanner, and J.D. Ellis. 2013. Standard methods for small hive beetle research. *J Apicult Res* **52**(4):1-32.

Nossol, C., A.K. Diesing, S. Kahlert, S. Kersten, J. Kluess, S. Ponsuksili, R. Hartig, K. Wimmers, S. Dänicke, and H.J. Rothkötter. 2013. Deoxynivalenol affects the composition of the basement membrane proteins and influences en route the migration of CD16<sup>+</sup> cells into the intestinal epithelium. *Mycotoxin Res* **29**:245-254.

Nowak-Imialek, M. and H. Niemann. 2013. Pluripotent cells in farm animals: state of the art and future perspectives. *Reprod Fertil Dev* **25**:103-128.

Ostermann, C., A. Rüttger, E. Schubert, W. Schrödl, K. Sachse, and P. Reinhold. 2013. Infection, Disease, and Transmission Dynamics in Calves after Experimental and Natural Challenge with a Bovine *Chlamydia psittaci* Isolate. *PLoS one* **8**:e64066.

Ostermann, C., W. Schroedl, E. Schubert, K. Sachse, and P. Reinhold. 2013. Dose-dependent effects of *Chlamydia psittaci* infection on pulmonary gas exchange, innate immunity and acute-phase reaction in a bovine respiratory model. *Vet J* **196**:351-359.

Otten, C., A. Berk, and S. Dänicke. 2013. Voluntary feed intake and growth performance of boars and barrows in dependence on lysine-to-energy ratio. *Arch Tierzucht* **56**:39.

Otten, C., A. Berk, L. Hagemann, S. Müller, M. Weber, and S. Dänicke. 2013. Effect of varying supply of amino acids on nitrogen retention and growth performance of boars of different sire lines. *Arch Tierzucht* **56**:75.

Otten, C., A. Berk, S. Müller, M. Weber, and S. Dänicke. 2013. Influence of dietary amino acid level on chemical body composition and performance of growing-finishing boars of two sire lines. *Arch Anim Nutr* **67**:477-491.

Paßvogel, L., P. Trübe, F. Schuster, B.G. Klupp, and T.C. Mettenleiter. 2013. Mapping of sequences in Pseudorabies Virus pUL34 required for formation and function of the nuclear egress complex. *J Virol* **87**:4475-4485.

Pavlova, S., R. Feederle, K. Gärtner, W. Fuchs, H. Granzow, and H.-J. Delecluse. 2013. An Epstein-Barr Virus Mutant Produces Immunogenic Defective Particles Devoid of Viral DNA. *J Virol* **87**:2011-2022.

Pavlova, S., J. Veits, T.C. Mettenleiter, and W. Fuchs. 2013. Identification and Functional Analysis of Membrane Proteins gD, gE, gE, and pUS9 of Infectious Laryngotracheitis Virus. *Avian Dis* **57**:416-426.

Petkov, S., P. Hyttel, and H. Niemann. 2013. The Choice of Expression Vector Promoter Is an Important Factor in the Reprogramming of Porcine Fibroblasts into Induced Pluripotent Cells. *Cell Reprog* **15**:1-8.

Petzold, M., U. Meyer, S. Kersten, J. Spilke, R. Kramer, G. Jahreis, and S. Dänicke. 2013. Effects on conjugated linoleic acids and dietary concentrate proportion on performance, milk composition, milk yield and metabolic parameters of periparturient dairy cows. *Arch Anim Nutr* **67**:185-201.

- Pfaff, N., N. Lachmann, M. Ackermann, S. Kohlscheen, C. Brendel, T. Maetzig, H. Niemann, M.N. Antoniou, M. Grez, A. Schambach, T. Cantz, and T. Moritz. 2013. A Ubiquitous Chromatin Opening Element Prevents Transgene Silencing in Pluripotent Stem Cells and Their Differentiated Progeny. *Stem Cells* 31:488-499.
- Phan, H.T., J. Pohl, D.M. Floss, F. Rabenstein, J. Veits, B.T. Le, H.H. Chu, G. Hause, T. Mettenleiter, and U. Conrad. 2013. ELPylated haemagglutinins produced in tobacco plants induce potentially neutralizing antibodies against H5N1 viruses in mice. *Plant Biotechnol J* 11:582-593.
- Pietsch, C., S. Kersten, P. Burkhardt-Holm, H. Valenta, and S. Dänicke. 2013. Occurrence of Deoxynivalenol and Zearalenone in Commercial Fish Feed: An Initial Study. *Toxins* 5:184-192.
- Pollin, R., H. Granzow, B. Köllner, K.-K. Conzelmann, and S. Finke. 2013. Membrane and inclusion body targeting of lyssavirus matrix proteins. *Cell Microbiol* 15:200-212.
- Potel, J., P. Rassam, C. Montpellier, L. Kaestner, E. Werkmeister, B.A. Tews, C. Couturier, C.-I. Popescu, T.F. Baumert, E. Rubinstein, J. Dubuisson, P.-E. Milhiet, and L. Cocquerel. 2013. EWI-2wint promotes CD81 clustering that abrogates Hepatitis C Virus entry. *Cell Microbiol* 15:1234-1252.
- Priemer, G., A. Balkema-Buschmann, B. Hills, and M.H. Groschup. 2013. Biochemical Characteristics and Pr<sup>PSc</sup> Distribution Pattern in the Brains of Cattle Experimentally Challenged with H-type and L-type Atypical BSE. *PLoS one* 8:e67599.
- Probst, C., J.M. Gethmann, R. Heuser, H. Niemann, and F.J. Conraths. 2013. Direct Costs of Bovine Spongiform Encephalopathy Control Measures in Germany. *Zoon Publ Health* 60:577-595.
- Radosa, L., M. Schlegel, P. Gebauer, H. Ansorge, M. Heroldová, E. Jánová, M. Stanko, L. Mošanský, J. Fričová, M. Pejčoch, J. Suchomel, L. Purchart, M.H. Groschup, D.H. Krüger, R.G. Ulrich, and B. Klempa. 2013. Detection of shrew-borne hantavirus in Eurasian pygmy shrew (*Sorex minutus*) in Central Europe. *Infect Genet Evol* 19:403-410.
- Rakers, F., V. Frauendorf, S. Rupprecht, R. Schiffner, S.J. Bischoff, M. Kiehntopf, P. Reinhold, O.W. Witte, H. Schubert, and M. Schwab. 2013. Effects of early- and late-gestational maternal stress and synthetic glucocorticoid on development of the fetal hypothalamus-pituitary-adrenal axis in sheep. *Stress* 16:122-129.
- Rasmussen, T.B., P.C. Risager, U. Fahnøe, M.B. Friis, G.J. Belsham, D. Höper, I. Reimann, and M. Beer. 2013. Efficient generation of recombinant RNA viruses using targeted recombination-mediated mutagenesis of bacterial artificial chromosomes containing full-length cDNA. *BMC Genomics* 14:819.
- Rath, D., S. Barcikowski, S. de Graaf, W. Garrels, R. Grossfeld, S. Klein, W. Knabe, C. Knorr, W. Kues, H. Meyer, J. Michl, G. Moench-Tegeder, C. Rehbock, U. Taylor, and S. Washausen. 2013. Sex selection of sperm in farm animals: status report and developmental prospects. *Reproduction* 145:R15-R30.
- Rebl, A., M. Verleih, J.M. Köbis, C. Kühn, K. Wimmers, B. Köllner, and T. Goldammer. 2013. Transcriptome Profiling of Gill Tissue in Regionally Bred and Globally Farmed Rainbow Trout Strains Reveals Different Strategies for Coping with Thermal Stress. *Mar Biotechnol* 15:445-460.
- van Regenmortel, M.H.V., H.-W. Ackermann, C.H. Calisher, R.G. Dietzgen, M.C. Horzinek, G.M. Keil, B.W.J. Mahy, G.P. Martelli, F.A. Murphy, C. Pringle, B.K. Rima, T. Skern, H.-J. Vetten, and S.C. Weaver. 2013. Virus species polemics: 14 senior virologists oppose a proposed change to the ICTV definition of virus species. *Arch Virol* 158:1115-1119.
- Regidor-Cerrillo, J., F. Díez-Fuertes, A. García-Culebras, D.P. Moore, M. González-Warleta, C. Cuevas, G. Schares, F. Katzer, S. Pedraza-Díaz, M. Mezo, and L.M. Ortega-Mora. 2013. Genetic Diversity and Geographic Population Structure of Bovine *Neospora caninum* Determined by Microsatellite Genotyping Analysis. *PLoS one* 8:e72678.



**Reinhold, P., B. Kaltenboeck, C. Ostermann, and K. Sachse.** 2013. Chlamydien im Rinderbestand - ein Wolf im Schafspelz? *Tierärztl Umschau* **68**:515-527.

**Rempe, I., U. Brezina, S. Kersten, and S. Dänicke.** 2013. Effects of a *Fusarium* toxin-contaminated maize treated with sodium metabisulphite, methylamine and calcium hydroxide in diets for female piglets. *Arch Anim Nutr* **67**:314-329.

**Rempe, I., S. Kersten, U. Brezina, K. Hermeyer, A. Beineke, and S. Dänicke.** 2013. Time-dependent effects of graded levels of *Fusarium* toxin-contaminated maize in diets for female piglets. *World Mycotox J* **6**:51-63.

**Rempe, I., S. Kersten, H. Valenta, and S. Dänicke.** 2013. Hydrothermal treatment of naturally contaminated maize in the presence of sodium metabisulfite, methylamine and calcium hydroxide; effects on the concentration of zearalenone and deoxynivalenol. *Mycotoxin Res* **29**:169-175.

**Renner, L., S. Kersten, A. Duevel, H.-J. Schuberth, and S. Dänicke.** 2013. Effects of cis-9,trans-11 and trans-10,cis-12 Conjugated Linoleic Acid, Linoleic Acid, Phytanic Acid and the Combination of Various Fatty Acids on Proliferation and Cytokine Expression of Bovine Peripheral Blood Mononuclear Cells. *Nutrients* **5**:2667-2683.

**Rensch, U., G. Klein, S. Schwarz, H. Kaspar, A. de Jong, and C. Kehrenberg.** 2013. Comparative Analysis of the Susceptibility to Triclosan and Three Other Biocides of Avian *Salmonella enterica* Isolates Collected 1979 through 1994 and 2004 through 2010. *J Food Protect* **76**:653-656.

**Reta, T., S. Teshale, A. Deresa, A. Ali, G. Getahun, M.P.O. Baumann, T. Müller, and C.M. Freuling.** 2013. Evaluation of Rapid Immunodiagnostic Test for Rabies Diagnosis Using Clinical Brain Samples in Ethiopia. *J Vet Sci Med Diagn* **2**:3.

**Riesenberg, A., A.T. Feßler, C. Frömke, K. Kadlec, D. Klarmann, L. Kreienbrock, C. Werckenthin, and S. Schwarz.** 2013. Harmonization of antimicrobial susceptibility testing by broth microdilution for *Rhodococcus equi* of animal origin. *J Antimicrob Chemother* **68**:2173-2175.

**Robardet, E., S. Andrieu, T. Bruun Rasmussen, M. Dobrostana, D.L. Horton, P. Hostnik, I. Jaceviciene, T. Juhasz, T. Müller, F. Mutinelli, A. Servat, M. Smreczak, E. Vanek, S. Vázquez-Morón, and F. Cliquet.** 2013. Comparative assay of fluorescent antibody test results among twelve European National Reference Laboratories using various anti-rabies conjugates. *J Virol Meth* **191**:88-94.

**Rohde, J., R. Amann, and H.-J. Rziha.** 2013. New Orf Virus (Parapoxvirus) Recombinant Expressing H5 Hemagglutinin Protects Mice against H5N1 and H1N1 Influenza A Virus. *PLoS one* **8**:e83802.

**Rohweder, D., S. Kersten, H. Valenta, S. Sondermann, M. Schollenberger, W. Drochner, and S. Dänicke.** 2013. Bioavailability of the *Fusarium* toxin deoxynivalenol (DON) from wheat straw and chaff in pigs. *Arch Anim Nutr* **67**:37-47.

**Rosseel, T., S. Van Borm, F. Vandenbussche, B. Hoffmann, T. van den Berg, M. Beer, and D. Höper.** 2013. The Origin of Biased Sequence Depth in Sequence-Independent Nucleic Acid Amplification and Optimization for Efficient Massive Parallel Sequencing. *PLoS one* **8**:e76144.

**Rubbenstroth, D., M. Rinder, M. Stein, D. Höper, B. Kaspers, K. Brosinski, M. Horie, V. Schmidt, M. Legler, R. Korbelt, and P. Staeheli.** 2013. Avian Bornaviruses are widely distributed in canary birds (*Serinus canaria* f. domestica). *Vet Microbiol* **165**:287-295.

**Rubbenstroth, D., M. Ryll, H. Hotzel, H. Christensen, J.K. Knobloch, S. Rautenschlein, and M. Bisgaard.** 2013. Description of *Riemerella columbipharyngis* sp. nov., isolated from the pharynx of healthy domestic pigeons (*Columba livia* f. domestica), and emended description of the genus *Riemerella*, *Riemerella anatipestifer* and *Riemerella columbina*. *Int J Syst Evol Microbiol* **63**:280-287.

- Saha, T., C. Guha, D. Chakraborty, B. Pal, U. Biswas, A. Chatterjee, P. Koenig, and M. Beer. 2013. Isolation and Characterization of BoHV-1 from Seropositive Cows after Inducing Artificial Stress in West Bengal, India. *Pakistan J Biol Sci* **16**:720-725.
- Said, A., E. Lange, M. Beer, A. Damiani, and N. Osterrieder. 2013. Recombinant equine herpesvirus 1 (EHV-1) vaccine protects pigs against challenge with influenza A(H1N1)pmd09. *Virus Res* **173**:371-376.
- Saremi, B., M. Mielenz, M.M. Rahman, A. Hosseini, C. Kopp, S. Dänicke, F. Ceciliani, and H. Sauerwein. 2013. Hepatic and extrahepatic expression of serum amyloid A3 during lactation in dairy cows. *J Dairy Sci* **96**:6944-6954.
- Sauerwein, H., B. Saremi, J. Pappritz, D. von Soosten, U. Meyer, S. Dänicke, and M. Mielenz. 2013. Aquaporin-7 mRNA in adipose depots of primiparous and pluriparous dairy cows: Long-term physiological and conjugated linoleic acid-induced changes. *J Dairy Sci* **96**:4508-4513.
- van Schaik, E.J., C. Chen, K. Mertens, M.M. Weber, and J.E. Samuel. 2013. Molecular pathogenesis of the obligate intracellular bacterium *Coxiella burnetii*. *Nature Rev Microbiol* **11**:561-573.
- Schares, G., M.C. Langenmayer, J.C. Scharr, L. Minke, P. Maksimov, A. Maksimov, S. Schares, A. Bärwald, W. Basso, J.P. Dubey, F.J. Conraths, and N.S. Gollnick. 2013. Novel tools for the diagnosis and differentiation of acute and chronic bovine besnoitiosis. *Int J Parasitol* **43**:143-154.
- Schatz, J., A.R. Fooks, L. McElhinney, D. Horton, J. Echevarria, S. Vázquez-Moron, E.A. Kooi, T.B. Rasmussen, T. Müller, and C.M. Freuling. 2013. Bat Rabies Surveillance in Europe. *Zoon Publ Health* **60**:22-34.
- Schaudien, D., C. Flieshardt, I. Moser, H. Hotzel, A. Tipold, M. Bleyer, M. Hewicker-Trautwein, and W. Baumgärtner. 2013. An unusual case of spinal cord restricted mycobacteriosis in a European mink. *Tierärztl Prax* **41(K)**:63-66.
- Schillinger, S., P.S. Bridger, H. Bulun, M. Fischer, Ö. Akineden, T. Seeger, S. Barth, M. Henrich, K. Doll, M. Bülte, C. Menge, and R. Bauerfeind. 2013. Flow cytometric detection of *Mycobacterium avium* subsp. *paratuberculosis* (MAP)-specific antibodies in experimentally infected and naturally exposed calves. *Clin Vaccine Immunol* **20**:1457-1465.
- Schink, A.-K., K. Kadlec, T. Hauschild, G.B. Michael, J.C. Dörner, C. Ludwig, C. Werckenthin, H.-R. Hehnen, B. Stephan, and S. Schwarz. 2013. Susceptibility of canine and feline bacterial pathogens to pradofloxacin and comparison with other fluoroquinolones approved for companion animals. *Vet Microbiol* **162**:119-126.
- Schink, A.-K., K. Kadlec, H. Kaspar, J. Mankertz, and S. Schwarz. 2013. Analysis of extended-spectrum- $\beta$ -lactamase-producing *Escherichia coli* isolates collected in the GERM-Vet monitoring programme. *J Antimicrob Chemother* **68**:1741-1749.
- Schlotter, K., H. Hotzel, R. Ehrlich, M. Pfeffer, S. Monecke, and K. Donat. 2013. Phänotypisierung und Microarray-basierte Genotypisierung des Antibiotika-Resistenzverhaltens von MRSA und MSSA aus Viertelgemelksproben klinisch gesunder Milchkühe. *Berl Münch Tierärztl Wschr* **126**:37-45.
- Schmidt, K., K.M. Dressel, M. Niedrig, M. Mertens, S.A. Schüle, and M.H. Groschup. 2013. Public Health and Vector-Borne Diseases - A New Concept for Risk Governance. *Zoon Publ Health* **60**:528-538.
- Schmidt, K., M. Keller, B.L. Bader, T. Korytár, S. Finke, U. Ziegler, and M.H. Groschup. 2013. Integrins modulate the infection efficiency of West Nile virus into cells. *J Gen Virol* **94**:1723-1733.
- Schneeberg, A., H. Neubauer, G. Schmoock, S. Baier, J. Harlizius, H. Nienhoff, K. Brase, S. Zimmermann, and C. Seyboldt. 2013. *Clostridium difficile* genotypes in pigs and other species. *J Clin Microbiol* **51**:3796-3803.

Schneeberg, A., H. Neubauer, G. Schmoock, E. Grossmann, and C. Seyboldt. 2013. Presence of *Clostridium difficile* PCR ribotype clusters related to 033, 078 and 045 in diarrhoeic calves in Germany. *J Med Microbiol* **62**:1190-1198.

Schoene, C.U.R., C. Staubach, C. Grund, A. Globig, M. Kramer, H. Wilking, M. Beer, F.J. Conraths, T.C. Harder, and the BL Monitoring Group. 2013. Towards a new, ecologically targeted approach to monitoring wild bird populations for avian influenza viruses. *Epidemiol Infect* **141**:1050-1060.

Schulz, K.S., B.G. Klupp, H. Granzow, and T.C. Mettenleiter. 2013. Glycoproteins gB and gH are required for syncytium formation but not for herpesvirus induced nuclear envelope breakdown. *J Virol* **87**:9733-9741.

Schunn, A.-M., F.J. Conraths, C. Staubach, A. Fröhlich, A. Forbes, T. Schnieder, and C. Strube. 2013. Lungworm Infections in German Dairy Cattle Herds - Seroprevalence and GIS-Supported Risk Factor Analysis. *PLoS one* **8**:e74429.

Schwenteit, J.M., A. Breithaupt, J.P. Teifke, E.O. Koppang, U.T. Bornscheuer, U. Fischer, and B.K. Gudmundsdottir. 2013. Innate and adaptive immune responses of Arctic charr (*Salvelinus alpinus*, L.) during infection with *Aeromonas salmonicida* subsp. *achromogenes* and the effect of the AsaP1 toxin. *Fish Shellfish Immunol* **35**:866-873.

Scott, T.P., M. Fischer, S. Khaiseb, C. Freuling, D. Höper, B. Hoffmann, W. Markotter, T. Müller, and L.H. Nel. 2013. Complete Genome and Molecular Epidemiological Data Infer the Maintenance of Rabies among Kudu (*Tragelaphus strepsiceros*) in Namibia. *PLoS one* **8**:e58739.

Seise, B., S. Pollok, C. Seyboldt, and K. Weber. 2013. Dry-reagent-based PCR as a novel tool for the rapid detection of *Clostridium* spp. *J Med Microbiol* **62**:1588-1591.

Seth-Smith, H.M.B., M. Sait, K. Sachse, W. Gaede, D. Longbottom, and N.R. Thomson. 2013. Genome Sequence of *Chlamydia psittaci* Strain 01DC12 Originating from Swine. *Genome Announcements* **1**:e00078-12.

Shen, J., Y. Wang, and S. Schwarz. 2013. Presence and dissemination of the multiresistance gene *cf*r in Gram-positive and Gram-negative bacteria. *J Antimicrob Chemother* **68**:1697-1706.

Sirotkin, A.V., S. Pavlova, M. Tena-Sempere, R. Grossmann, M. Romero Jiménez, J. M. Castellano Rodríguez, and F. Valenzuela. 2013. Food restriction, ghrelin, its antagonist and obestatin control expression of ghrelin and its receptor in chicken hypothalamus and ovary. *Comp Biochem Physiol A* **164**:141-153.

von Soosten, D., R. Kramer, G. Jahreis, U. Meyer, G. Flachowsky, and S. Dänicke. 2013. Transfer of conjugated linoleic acids into different tissues of dairy cows. *Arch Anim Nutr* **67**:119-133.

Spekker, K., M. Leineweber, D. Degrandi, V. Ince, S. Brunder, S.K. Schmidt, S. Stuhlsatz, J.C. Howard, G. Schares, Ö. Degistirici, R. Meisel, R.V. Sorg, J. Seissler, A. Hemphill, K. Pfeffer, and W. Däubener. 2013. Antimicrobial effects of murine mesenchymal stromal cells directed against *Toxoplasma gondii* and *Neospora caninum*: role of immunity-related GTPases (IRGs) and guanylate-binding proteins (GBPs). *Med Microbiol Immunol* **202**:197-206.

Stahnke, N., V. Liebscher, C. Staubach, and M. Ziller. 2013. An approach to model monitoring and surveillance data of wildlife diseases - Exemplified by Classical Swine Fever in wild boar. *Prev Vet Med* **112**:355-369.

Stanek, C., N. Reinhardt, A.-K. Diesing, C. Nossol, S. Kahlert, P. Panther, J. Kluess, H.-J. Rothkötter, D. Kuester, B. Brosig, S. Kersten, and S. Dänicke. 2013. A chronic oral exposure of pigs with deoxynivalenol partially prevents the acute effects of lipopolysaccharides on hepatic histopathology and blood clinical chemistry. *Toxicol Lett* **215**:193-200.

**Staubach, C., D. Höreth-Böntgen, S. Blome, A. Fröhlich, J. Blicke, B. Jahn, J. Teuffert, and M. Kramer.** 2013. Zusammenfassende Darstellung der Schweinepestbekämpfung beim Schwarzwild in Deutschland seit dem Jahr 2005. *Berl Münch Tierärztl Wschr* **126**:491-499.

**Stech, J. and T.C. Mettenleiter.** 2013. Virulence determinants of high-pathogenic avian influenza viruses in gallinaceous poultry. *Future Virology* **8**:459-468.

**Steglich, C., C. Grund, K. Ramp, A. Breithaupt, D. Höper, G. Keil, J. Veits, M. Ziller, H. Granzow, T.C. Mettenleiter, and A. Römer-Oberdörfer.** 2013. Chimeric Newcastle Disease Virus Protects Chickens against Avian Influenza in the Presence of Maternally Derived NDV Immunity. *PLoS one* **8**:e72530.

**Stelter, K., J. Frahm, J. Paulsen, A. Berk, M. Kleinwächter, D. Selmar, and S. Dänicke.** 2013. Effects of oregano on performance and immunomodulating factors in weaned piglets. *Arch Anim Nutr* **67**:461-476.

**Sting, R., M. Runge, T. Eisenberg, S. Braune, W. Müller, and P. Otto.** 2013. Comparison of bacterial culture and polymerase chain reaction (PCR) for the detection of *F. tularensis* subsp. *holarctica* in wild animals. *Berl Münch Tierärztl Wschr* **126**:285-290.

**Sutor, A., and S. Schwarz.** 2013. Seasonal habitat selection of raccoon dogs (*Nyctereutes procyonoides*) in Southern Brandenburg, Germany. *Folia Zool* **62**:235-243.

**Teske, L., M. Ryll, D. Rubbenstroth, I. Hänel, M. Hartmann, L. Kreienbrock, and S. Rautenschlein.** 2013. Epidemiological investigations on the possible risk of distribution of zoonotic bacteria through apparently healthy homing pigeons. *Avian Pathol* **42**:397-407.

**Tippenhauer, M., D.E. Heller, S. Weigend, and S. Rautenschlein.** 2013. The host genotype influences infectious bursal disease virus pathogenesis in chickens by modulation of T cells responses and cytokine gene expression. *Dev Comp Immunol* **40**:1-10.

**Töpfer, A., D. Höper, S. Blome, M. Beer, N. Beerenwinkel, N. Ruggli, and I. Leifer.** 2013. Sequencing approach to analyze the role of quasispecies for classical swine fever. *Virology* **438**:14-19.

**Trefz, P., H. Koehler, K. Klepnik, P. Moebius, P. Reinhold, J.K. Schubert, and W. Miekisch.** 2013. Volatile Emissions from *Mycobacterium avium* subsp. *paratuberculosis* Mirror Bacterial Growth and Enable Distinction of Different Strains. *PLoS one* **8**:e76868.

**Trojnar, E., J. Sachsenröder, S. Twardziok, J. Reetz, P.H. Otto, and R. Johne.** 2013. Identification of an avian group A rotavirus containing a novel VP4 gene with a close relationship to those of mammalian rotaviruses. *J Gen Virol* **94**:136-142.

**Ulrich, R.G., C. Imholt, D.H. Krüger, E. Krautkrämer, T. Scheibe, S.S. Eßbauer, and M. Pfeffer.** 2013. Hantaviren in Deutschland: Gefahren für Zoo-, Heim-, Haus- und Nutztier? *Berl Münch Tierärztl Wschr* **126**:514-526.

**Uzêda, R.S., G. Schares, L.M. Ortega-Mora, C.R. Madruga, A. Aguado-Martinez, L.G. Corbellini, D. Driemeier, and L.F.P. Gondim.** 2013. Combination of monoclonal antibodies improves immunohistochemical diagnosis of *Neospora caninum*. *Vet Parasitol* **197**:477-486.

**Varela, M., E. Schnettler, M. Caporale, C. Murgia, G. Barry, M. McFarlane, E. McGregor, I.M. Piras, A. Shaw, C. Lamm, A. Janowicz, M. Beer, M. Glass, V. Herder, K. Hahn, W. Baumgärtner, A. Kohl, and M. Palmarini.** 2013. Schmallenberg Virus Pathogenesis, Tropism and Interaction with the Innate Immune System of the Host. *PLoS Pathog* **9**:e1003133.

**Verleih, M., A. Rebl, B. Köllner, T. Korytář, J.M. Köbis, C. Kühn, K. Wimmers, and T. Goldammer.** 2013. Iron-sulfur cluster scaffold (ISCU) gene is duplicated in salmonid fish and tissue and temperature dependent expressed in rainbow trout. *Gene* **512**:251-258.

- Veronesi, E., M. Henstock, S. Gubbins, C. Batten, R. Manley, J. Barber, B. Hoffmann, M. Beer, H. Attoui, P.P.C. Mertens, and S. Carpenter. 2013. Implicating *Culicoides* Biting Midges as Vectors of Schmallenberg Virus Using Semi-Quantitative RT-PCR. *PLoS one* **8**:e57747.
- Vorimore, F., R. Hsia, H. Huot-Creasy, S. Bastian, L. Deruyter, A. Passet, K. Sachse, P. Bavoil, G. Myers, and K. Laroucau. 2013. Isolation of a New *Chlamydia* species from the Feral Sacred Ibis (*Threskiornis aethiopicus*): *Chlamydia ibidis*. *PLoS one* **8**:e74823.
- Vos, A., A. Kretzschmar, S. Ortmann, I. Lojkic, C. Habla, T. Müller, C. Kaiser, B. Hundt, and P. Schuster. 2013. Oral Vaccination of Captive Small Indian Mongoose (*Herpestes auropunctatus*) against Rabies. *J Wildlife Dis* **49**:1033-1036.
- Vos, A., T. Nolden, C. Habla, S. Finke, C.M. Freuling, J. Teifke, and T. Müller. 2013. Raccoons (*Procyon lotor*) in Germany as potential reservoir species for Lyssaviruses. *Eur J Wildl Res* **59**:637-643.
- Wadsworth, J.D.F., S. Joiner, J.M. Linehan, A. Balkema-Buschmann, J. Spiropoulos, M.M. Simmons, P.C. Griffiths, M.H. Groschup, J. Hope, S. Brandner, E.A. Asante, and J. Collinge. 2013. Atypical Scrapie Prions from Sheep and Lack of Disease in Transgenic Mice Overexpressing Human Prion Protein. *Emerg Infect Dis* **19**:1731-1739.
- Wagner, J., S. Ryazanov, A. Leonov, J. Levin, S. Shi, F. Schmidt, C. Prix, F. Pan-Montojo, U. Bertsch, G. Mitteregger-Kretzschmar, M. Geissen, M. Eiden, F. Leidel, T. Hirschberger, A.A. Deeg, J.J. Krauth, W. Zinth, P. Tavan, J. Pilger, M. Zweckstetter, T. Frank, M. Bähr, J.H. Weishaupt, M. Uhr, H. Urlaub, U. Teichmann, M. Samwer, K. Bötzel, M. Groschup, H. Kretzschmar, C. Griesinger, and A. Giese. 2013. Anle138b: a novel oligomer modulator for disease-modifying therapy of neurodegenerative diseases such as prion and Parkinson's disease. *Acta Neuropathol* **125**:795-813.
- Wagner, R., G. Gabriel, M. Schlesner, N. Alex, A. Herwig, O. Werner, and H.-D. Klenk. 2013. Protease activation mutants elicit protective immunity against highly pathogenic avian influenza viruses of subtype H7 in chickens and mice. *Emerg Microb Infect* **2**:e7.
- Walzer, K.A., Y. Adomako-Ankomah, R.A. Dam, D.C. Herrmann, G. Schares, J.P. Dubey, and J.P. Boyle. 2013. *Hammondia hammondi*, an avirulent relative of *Toxoplasma gondii*, has functional orthologs of known *T. gondii* virulence genes. *Proc Natl Acad Sci USA* **110**:7446-7451.
- Wang, Y., T. He, S. Schwarz, Q. Zhao, Z. Shen, C. Wu, and J. Shen. 2013. Multidrug resistance gene *cfr* in methicillin-resistant coagulase-negative staphylococci from chickens, ducks, and pigs in China. *In J Med Microbiol* **303**:84-87.
- Wang, Y., D. Li, L. Song, Y. Liu, T. He, H. Liu, C. Wu, S. Schwarz, and J. Shen. 2013. First report of the multi-resistance gene *cfr* in *Streptococcus suis*. *Antimicrob Agents Chemother* **57**:4061-4063.
- Weiß, S., K. Kadlec, A.T. Feßler, and S. Schwarz. 2013. Identification and characterization of methicillin-resistant *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Staphylococcus haemolyticus* and *Staphylococcus pettenkoferi* from a small animal clinic. *Vet Microbiol* **167**:680-685.
- Wendlandt, S., A.T. Feßler, S. Monecke, R. Ehricht, S. Schwarz, and K. Kadlec. 2013. The diversity of antimicrobial resistance genes among staphylococci of animal origin. *Int J Med Microbiol* **303**:338-349.
- Wendlandt, S., K. Kadlec, A.T. Feßler, D. Mevius, A. van Essen-Zandbergen, P.D. Hengeveld, L. Schouls, S. Schwarz, and E. van Duijkeren. 2013. Transmission of methicillin-resistant *Staphylococcus aureus* isolates on broiler farms. *Vet Microbiol* **167**:632-637.
- Wendlandt, S., K. Kadlec, A.T. Feßler, S. Monecke, R. Ehricht, A.W. van de Giessen, P.D. Hengeveld, X. Huijsdens, S. Schwarz, and E. van Duijkeren. 2013. Resistance phenotypes and genotypes of methicillin-resistant *Staphylococcus aureus* isolates from broiler chickens at slaughter and abattoir workers. *J Antimicrob Chemother* **68**:2458-2463.

- Wendlandt, S., B. Li, C. Lozano, Z. Ma, C. Torres, and S. Schwarz. 2013. Identification of the novel spectinomycin resistance gene *spw* in methicillin-resistant and methicillin-susceptible *Staphylococcus aureus* of human and animal origin. *J Antimicrob Chemother* **68**:1679-1680.
- Wendlandt, S., B. Li, Z. Ma, and S. Schwarz. 2013. Complete sequence of the multi-resistance plasmid pV7037 from a porcine methicillin-resistant *Staphylococcus aureus*. *Vet Microbiol* **166**:650-654.
- Wendlandt, S., C. Lozano, K. Kadlec, E. Gómez-Sanz, M. Zarazaga, C. Torres, and S. Schwarz. 2013. The enterococcal ABC transporter gene *Isa(E)* confers combined resistance to lincosamides, pleuromutilins and streptogramin A antibiotics in methicillin-susceptible and methicillin-resistant *Staphylococcus aureus*. *J Antimicrob Chemother* **68**:473-475.
- Wendlandt, S., S. Schwarz, and P. Silley. 2013. Methicillin-Resistant *Staphylococcus aureus*: A Food-borne Pathogen? *Annu Rev Food Sci Technol* **4**:117-139.
- Werner, D., and H. Kampen. 2013. The further spread of *Aedes japonicus japonicus* (Diptera, Culicidae) towards northern Germany. *Parasitol Res* **112**:3665-3668.
- Wernike, K., M. Beer, and B. Hoffmann. 2013. Rapid detection of foot-and-mouth disease virus, influenza A virus and classical swine fever virus by high-speed real-time RT-PCR. *J Virol Meth* **193**:50-54.
- Wernike, K., M. Eschbaumer, H. Schirrmeier, U. Blohm, A. Breithaupt, B. Hoffmann, and M. Beer. 2013. Oral exposure, reinfection and cellular immunity to Schmallenberg virus in cattle. *Vet Microbiol* **165**:155-159.
- Wernike, K., B. Hoffmann, E. Bréard, A. Bøtner, C. Ponsart, S. Zientara, L. Lohse, N. Pozzi, C. Viarouge, P. Sarradin, C. Leroux-Barc, M. Riou, A. Breithaupt, and M. Beer. 2013. Schmallenberg virus experimental infection of sheep. *Vet Microbiol* **166**:461-466.
- Wernike, K., B. Hoffmann, and M. Beer. 2013. Single tube multiplexed molecular detection of endemic porcine viruses in combination with a background screening for transboundary diseases. *J Clin Microbiol* **51**:938-944.
- Wernike, K., M. Kohn, F.J. Conraths, D. Werner, D. Kameke, S. Hechinger, H. Kampen, and M. Beer. 2013. Transmission of Schmallenberg Virus during Winter. *Emerg Infect Dis* **19**:1701-1703.
- Wernike, K., V.M. Nikolin, S. Hechinger, B. Hoffmann, and M. Beer. 2013. Inactivated Schmallenberg virus prototype vaccines. *Vaccine* **31**:3558-3563.
- Wiedemann, S., K. Horstmann, M. Piechotta, U. Meyer, G. Flachowsky, and M. Kaske. 2013. Intraday variation of metabolic key indicators in serum of dairy cows between week 2 antepartum and week 12 postpartum. *Czech J Anim Sci* **58**:343-350.
- Winter, L., U. Meyer, M. Spolders, L. Hüther, P. Lebzien, and S. Dänicke. 2013. Effect of Exogenous Phytase on the Phosphorus Balance of Lactating Cows Fed A Corn Based Diet. *J Biol Life Sci* **4**:232-250.
- Wolf, S., J. Reetz, R. Johne, A.-C. Heiberg, S. Petri, H. Kanig, and R.G. Ulrich. 2013. The simultaneous occurrence of human norovirus and hepatitis E virus in a Norway rat (*Rattus norvegicus*). *Arch Virol* **158**:1575-1578.
- Wroblewitz, S., L. Hüther, R. Manderscheid, H.-J. Weigel, H. Wätzig, and S. Dänicke. 2013. The effect of free air carbon dioxide enrichment and nitrogen fertilisation on the chemical composition and nutritional value of wheat and barley grain. *Arch Anim Nutr* **67**:263-278.
- Wu, G., M.J. Day, M.T. Mafura, J. Nunez-Garcia, J.J. Fenner, M. Sharma, A. van Essen-Zandbergen, I. Rodríguez, C. Dierix, K. Kadlec, A.-K. Schink, J. Wain, R. Helmuth, B. Guerra, S. Schwarz, J. Threlfall, M.J. Woodward, N. Woodford, N. Coldham, and D. Mevius. 2013. Comparative Analysis of

ESBL-Positive *Escherichia coli* Isolates from Animals and Humans from the UK, The Netherlands and Germany. PLoS one **8**:e75392.

Xia, D., N. Parvizi, Y. Zhou, K. Xu, H. Jiang, R. Li, Y. Hang, and Y. Lu. 2013. Paternal Fenvalerate Exposure Influences Reproductive Functions in the Offspring. *Reprod Sci* **20**:1308-1315.

Zhang, W.-J., Z. Lu, S. Schwarz, R.-M. Zhang, X.-M. Wang, W. Si, S. Yu, L. Chen, and S. Liu. 2013. Complete sequence of the *bla*<sub>NDM-1</sub>-carrying plasmid pNDM-AB from *Acinetobacter baumannii* of food animal origin. *J Antimicrob Chemother* **68**:1681-1682.

Zhang, Y., S. Wu, J. Wang, K. Wernike, J. Lv, C. Feng, J. Zhang, C. Wang, J. Deng, X. Yuan, and X. Lin. 2013. Expression and purification of the nucleocapsid protein of Schmallenberg virus, and preparation and characterization of a monoclonal antibody against this protein. *Protein Express Purif* **92**:1-8.

Zhao, N., E. Lange, S. Kubald, C. Grund, M. Beer, and T.C. Harder. 2013. Distinction of subtype-specific antibodies against European porcine influenza viruses by indirect ELISA based on recombinant hemagglutinin protein fragment-1. *Virology J* **10**:246.

Ziegler, U., J. Angenwoort, D. Fischer, C. Fast, M. Eiden, A.V. Rodriguez, S. Revilla-Fernández, N. Nowotny, J. García de la Fuente, M. Lierz, and M.H. Groschup. 2013. Pathogenesis of West Nile virus lineage 1 and 2 in experimentally infected large falcons. *Vet Microbiol* **161**:263-273.

Ziegler, U., J. Angenwoort, C. Klaus, U. Nagel-Kohl, C. Sauerwald, S. Thalheim, S. Horner, B. Braun, S. Kenklies, J. Tyczka, M. Keller, and M.H. Groschup. 2013. Use of Competition ELISA for Monitoring of West Nile Virus Infections in horses in Germany. *Int J Environ Res Public Health* **10**:3112-3120.

Ziegler, U., A. Skrypnyk, M. Keller, C. Staubach, M. Bezymennyi, A.M. Damiani, N. Osterrieder, and M.H. Groschup. 2013. West Nile Virus Antibody Prevalence in Horses of Ukraine. *Viruses* **5**:2469-2482.

Zocevic, A., F. Vorimore, N. Vicari, J. Gasparini, L. Jacquin, K. Sachse, S. Magnino, and K. Laroucau. 2013. A Real-Time PCR Assay for the Detection of Atypical Strains of Chlamydiaceae from Pigeons. PLoS one **8**:e58741.

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

Baumann, S., W. Pflanz, E. Gallmann, and L. Schrader. 2013. Der Einfluss von Liegematten auf das Wahl- und Liegeverhalten von Sauen in der Gruppenhaltung. *Landtechnik* **68**:385-388.

Berk, A., and S. Dänicke. 2013. Beeinflussung von Verhalten und Gesundheit durch die Fütterung. Forum angewandte Forschung in der Rinder- und Schweinehaltung, Beiträge der Veranstaltung vom 09. und 10. April 2013 in Fulda, S. 112-115.

Berk, J. 2013. Außenklima - eine Alternative für Puten? *LZ Rheinland* **20/2013**, S. 44-45.

Berk, J., and T. Bartels. 2013. Auf gesunden Füßen ab ins Grüne? Auch Öko-Puten leiden an Fußballentzündungen. *ForschungsReport spezial Ökologischer Landbau* **2013**, S. 6-7.

Berk, J., and T. Bartels. 2013. Aufenthaltsdauer - Einstreufeuchte - Fußgesundheit. *Rekasan Journal* **39/40**, S. 165-169.

Brandt, H., U. Baulain, W. Brade, J. Lapp, and F. Weißmann. 2013. Auswirkungen unterschiedlicher Duroc-Genanteile auf die Fleisch- und Fettqualität ökologisch erzeugter Mastschweine. In: Neuhoﬀ, D., C. Stumm, S. Ziegler, G. Rahmann, U. Hamm, and U. Köpke (Hrsg.), *Ideal und Wirklichkeit. Perspektiven ökologischer Landbewirtschaftung. Beiträge zur 12. Wissenschaftstagung Ökologischer Landbau*, Bonn, 5.-8. März 2013, Verlag Dr. Köster, Berlin, ISBN: 978-3-89574-815-8, S. 612-615.

**Conraths, F.** 2013. Tierische Erzeugung im Klimawandel: Auswirkungen und Anpassungen aus der Sicht der Epidemiologie. In: Christen, O., G. Erhardt, H. Flessa, U. Latacz-Lohmann, K.H. Mühling, J. Müller, and R. Waldhardt (eds.), Klimawandel und Extremwetterereignisse: ein Problem für die Landwirtschaft, Wissenschaftliche Tagung des Dachverbandes Agrarforschung (DAF) e.V. am 7. und 8. November 2012 im Thünen-Institut, Braunschweig, agrarspectrum **46**:88-100.

**Dämmgen, U., H.-D. Haenel, C. Rösemann, N.J. Hutchings, W. Brade, and U. Meyer.** 2014. Estimate of methane, volatile solids and nitrogen excretion rates of German suckler cows. Landbauforsch **63**:285-302.

**Dänicke, S.** 2013. Kinetics and metabolism of deoxynivalenol (DON) and zearalenone (ZEN) in the pig: Consequences for diagnosis of exposure and intoxication. In: Zeyner, A., G.I. Stangl, H. Kluth, H. Kluge, and M. Bulang (eds.): 12. Tagung Schweine- und Geflügelernährung, 12.-14. November 2013 Lutherstadt Wittenberg, Institut für Agrar- und Ernährungswissenschaften, Universität Halle-Wittenberg, ISBN: 978-3-86829-575-7, S. 41-45.

**Dlabola, J., A. Aue, F. Gessler, B. Köhler, H. Neubauer, A. Repp, U. Wittstatt, and C. Seyboldt.** 2013. Nachweis von *Clostridium botulinum* Neurotoxin in Rinderkot und Silage. Amtstierärztl Dienst Lebensm **20**:120-126.

**Driechciarz, R., E. Driechciarz, J. Schatz, C.M. Freuling, and T. Müller.** 2013. Drei Fälle von Fledermaustollwut in Magdeburg. Beitr Jagd- u Wildforsch **38**:355-360.

**EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N.A. Dierick, J. Gropp, A. Mantovani, and R. Kroker.** 2013. Scientific Opinion on the safety and efficacy of methionine-zinc, technically pure as amino acid for ruminants, and as compound of trace element for all species. EFSA J **11**:3038.

**EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, J. Gropp, N. Dierick, and P. Wester.** 2013. Scientific Opinion on the safety and efficacy of orthophosphoric acid for all animal species. EFSA J **11**:3043.

**EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, J. Gropp, G. Bories, C. Nebbia, and A.-K. Lundebye Haldorsen.** 2013. Scientific Opinion on the safety and efficacy of clinoptilolite of sedimentary origin for all animal species. EFSA J **11**:3039.

**EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, and J. Gropp.** 2013. Scientific Opinion on the safety and efficacy of clinoptilolite of sedimentary origin for all animal species. EFSA J **11**:3039.

**EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, J. Gropp, and M. Mézes.** 2013. Scientific Opinion on the safety and efficacy of *Bacillus amyloliquefaciens* (NCIMB 30229) as a silage feed additive for all species. EFSA J **11**:3042.

**EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand,**



L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P.S. Cocconcelli, A. Chesson, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Enterococcus faecium* (CNCM I-3236) as a silage additive for all species. EFSA J 11:3044.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Miya-Gold (*Clostridium butyricum*) for chickens for fattening, chickens reared for laying and minor avian species. EFSA J 11:3040.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, A. Mantovani, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of vitamin A (retinyl acetate, retinyl palmitate and retinyl propionate) as a feed additive for all animal species and categories. EFSA J 11:3037.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, J. Gropp, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Lactobacillus plantarum* (NCIMB 30083 and NCIMB 30084) as a feed additive for all species. EFSA J 11:3041.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, J. de Knecht, and A. Mantovani. 2013. Scientific Opinion on safety and efficacy of hydroxy-analogue of selenomethionine as feed additive for all species. EFSA J 11:3046.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, A.-K. Haldorsen, and A. Schuhmacher. 2013. Scientific opinion on the safety and efficacy of CAROPHYLL® Red 10% (preparation of canthaxanthin) for all poultry for breeding purposes (chickens, turkeys and other poultry). EFSA J 11:3047.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Hostazym X (endo-1, 4-beta-xylanase) as a feed additive for poultry, piglets and pigs for fattening. EFSA J 11:3105.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, J. Gropp, N. Dierick, and P. Wester. 2013. Scientific Opinion on the safety and efficacy of fumaric acid as a feed additive for all animal species. EFSA J 11:3102.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, A. Mantovani, and R. Kroker. 2013.

Scientific Opinion on the safety and efficacy of copper compounds (E4) as feed additives for all species: cupric chelate of amino acids hydrate, based on a dossier submitted by Zinpro Animal Nutrition Inc.. EFSA J 11:3107.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, A. Mantovani, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of vitamin C (ascorbic acid, sodium ascorbate, calcium ascorbate, ascorbyl palmitate, sodium calcium ascorbyl phosphate and sodium ascorbyl phosphate) as a feed additive for all animal species based on a dossier submitted by DSM Nutritional Products Ltd. EFSA J 11:3104.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, A. Mantovani, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of vitamin C (ascorbic acid and sodium calcium ascorbyl phosphate) as a feed additive for all animal species based on a dossier submitted by VITAC EEIG. EFSA J 11:3103.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, E. Cox, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Cylactin® (*Enterococcus faecium*) as a feed additive for cats and dogs. EFSA J 11:3098.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on Cylactin® (*Enterococcus faecium*) for calves, lambs and kids for rearing and for fattening. EFSA J 11:3097.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, A. Mantovani, J. de Knecht, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of iodine compounds (E2) as feed additives for all animal species: calcium iodate anhydrous, based on a dossier submitted by Calibre Europe SPRL/BVBA. EFSA J 11:3100.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, A. Mantovani, J. de Knecht, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of iodine compounds (E2) as feed additives for all species: calcium iodate anhydrous and potassium iodide, based on a dossier submitted by HELM AG. EFSA J 11:3101.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, A. Mantovani, J. de Knecht, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of iodine compounds (E2) as feed additives for all animal species: calcium iodate anhydrous and potassium iodide, based on a dossier submitted by Ajay Europe SARL. EFSA J 11:3099.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, A. Mantovani, J. de Knecht, and R. Kroker. 2013. Scientific Opinion on the safety and efficacy of Iodine compounds (E2) as feed additives for all species: calcium iodate anhydrous (coated granulated preparation), based on a dossier submitted by Doxal Italia S.p.A.. EFSA J 11:3178.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of diclazuril (Clinacox® 0.5 %) as feed additive for chickens reared for laying. EFSA J 11:3106.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, J. Gasa-Gasó, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A.-K. Haldorsen. 2013. Scientific Opinion on the safety and efficacy of Patent Blue V (E 131) as feed additive for non food-producing animals. EFSA J 11:3108.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, A. Chesson, and J. Gropp. 2013. Scientific Opinion on the safety and efficacy of a preparation of bentonite-and sepiolite (Toxfin® Dry) as feed additive for all species. EFSA J 11:3179.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on the efficacy of Biosprint® (*Saccharomyces cerevisiae*) as a feed additive for cattle for fattening. EFSA J 11:3174.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of *Bacillus subtilis* PB6 (*Bacillus subtilis*) as a feed additive for turkeys for fattening and turkeys reared for breeding. EFSA J 11:3176.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, J. Gropp, A. Schuhmacher, and A. von Wright. 2013. Scientific Opinion on the safety and efficacy of L-cystine for all animal species. EFSA J 11:3173.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Lactobacillus kefir* (DSM 19455) as a silage additive for all animal species. EFSA J 11:3177.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen,

R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Provita LE (*Enterococcus faecium* and *Lactobacillus rhamnosus*) as a feed additive for calves for rearing. EFSA J 11:3175.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of AveMix® XG 10 (endo-1, 4-beta-xylanase and endo-1, 3(4)-beta-glucanase) as a feed additive for pigs for fattening and minor porcine species. EFSA J 11:3171.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of AveMix® XG 10 (endo-1, 4-beta-xylanase and endo-1, 3(4)-beta-glucanase) as a feed additive for turkeys for fattening. EFSA J 11:3172.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Bonvital (*Enterococcus faecium*) for chickens reared for laying and minor avian species. EFSA J 11:3167.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Lactobacillus brevis* (DSM 23231), *Lactobacillus buchneri* (DSM 22501), *Lactobacillus buchneri* (NCIMB 40788-CNCM I-4323), *Lactobacillus buchneri* (ATCC PTA-6138) and *Lactobacillus buchneri* (ATCC PTA-2494) as silage additives for all species. EFSA J 11:3168.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Probiotic LACTINA® (*Lactobacillus acidophilus*, *Lactobacillus helveticus*, *Lactobacillus bulgaricus*, *Lactobacillus lactis*, *Streptococcus thermophilus* and *Enterococcus faecium*) for chickens for fattening and piglets. EFSA J 11:3170.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, P. Brantom, A. Chesson, J. de Knecht, J. Gropp, and A.-K. Lundebye Haldorsen. 2013. Scientific Opinion on the safety and efficacy of straight-chain primary aliphatic alcohols/aldehydes/acids, acetals and esters with esters containing saturated alcohols and acetals containing saturated aldehydes (chemical group 1) when used as flavourings for all animal species. EFSA J 11:3169.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of L-selenomethionine as feed additive for all animal species. EFSA J 11:3219.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen,

R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of betaine anhydrous as a feed additive for all animal species based on a dossier submitted by Trouw Nutritional International B.V.. EFSA J 11:3211.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of betaine (betaine anhydrous and betaine hydrochloride) as a feed additive for all animal species based on a dossier submitted by VITAC EEIG. EFSA J 11:3210.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of betaine anhydrous as a feed additive for all animal species based on a dossier submitted by Danisco Animal Nutrition. EFSA J 11:3209.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, P. Brantom, A. Chesson, J. de Knecht, J. Gropp, and A.-K. Lundebye Haldorsen. 2013. Scientific Opinion on the safety and efficacy of aliphatic and aromatic mono- and di-thiols and mono-, di-, tri-, and polysulphides with or without additional oxygenated functional groups (chemical group 20) when used as flavourings for all animal species. EFSA J 11:3208.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P.S. Cocconcelli, A. Chesson, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Lactobacillus plantarum* (NCIMB 40027) as a silage additive for all animal species. EFSA J 11:3205.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, A. Chesson, and J. Gropp. 2013. Scientific Opinion on the safety and efficacy of micro-organism DSM 11798 when used as a technological feed additive for pigs. EFSA J 11:3203.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, and A. Chesson. 2013. Scientific Opinion on the safety and efficacy of Lenziaren (iron, aqua carbonate hydroxyl oxo starch sucrose complex) as a feed additive for cats. EFSA J 11:3204.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, and A. Chesson. 2013. Scientific Opinion on the safety and efficacy of Lancer (lanthanide citrate) as feed additive for weaned piglets. EFSA J 11:3206.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A.-K. Haldorsen. 2013. Scientific Opinion on the safety and efficacy of Quinoline Yellow (E104) as a feed additive for non food-producing animals. EFSA J 11:3320.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on Rovabio® Excel (endo-1, 3(4)-beta-glucanase and endo-1, 4-beta-xylanase) as a feed additive for chickens and turkeys for fattening, laying hens, piglets (weaned) and pigs for fattening, ducks, guinea fowls, quails, geese, pheasants and pigeons. EFSA J 11:3321.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, J. Gropp, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific opinion on the safety and efficacy of L-threonine produced by *Escherichia coli* (FERM BP-10942) for all animal species based on a dossier submitted by Ajinomoto Eurolysine SAS. EFSA J 11:3319.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of vitamin D3 (cholecalciferol) as a feed additive for pigs, piglets, bovines, ovines, calves, equines, chickens for fattening, turkeys, other poultry, fish and other animal species or categories, based on a dossier submitted by Fermenta Biotech Ltd. EFSA J 11:3289.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, J. Gropp, and A.-K. Haldorsen. 2013. Scientific opinion on the safety and efficacy of Brilliant Blue FCF (E133) as a feed additive for cats and dogs. EFSA J 11:3288.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, and J. Gropp. 2013. Scientific opinion on the safety and efficacy of L-tyrosine for all animal species. EFSA J 11:3310.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, and A. Mantovani. 2013. Scientific opinion on the safety and efficacy of iron compounds (E1) as feed additives for all species: iron chelate of amino acids, hydrate, based on a dossier submitted by Zinpro Animal Nutrition Inc.. EFSA J 11:3287.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific opinion on the safety and efficacy of AGal-Pro (alpha-galactosidase and endo-1, 4-beta-glucanase) as a feed additive for chickens reared for laying and minor poultry species for fattening. EFSA J 11:3286.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific opinion on the safety and efficacy of Natugrain® TS (endo-1, 4-beta-xylanase and endo-1, 4-beta-glucanase) as a feed additive for pigs for fattening. EFSA J 11:3285.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Pediococcus pentosaceus* (DSM 14021, DSM 23688 and DSM 23689) as silage additives for all animal species. EFSA J 11:3284.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of potassium sorbate as a silage additive for all animals except dogs and cats. EFSA J 11:3283.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Hostazym C (endo-1, 4-beta-glucanase) as feed additive for chickens for fattening, all other birds for fattening and piglets (weaned). EFSA J 11:3207.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Endofeed® DC (endo-1, 3(4)-beta-glucanase and endo-1, 4-beta-xylanase) as a feed additive for chickens for fattening, laying hens, pigs for fattening and minor poultry and porcine species. EFSA J 11:3322.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, and A.-K. Lundebye Haldorsen. 2013. Scientific Opinion on the safety and efficacy of thiazoles, thiophene, thiazoline and thienyl derivatives (chemical group 29): 3-acetyl-2, 5-dimethylthiophene when used as a flavouring for all animal species. EFSA J 11:3323.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N.A. Dierick, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of manganese compounds (E5) as feed additives for all species: manganese chelate of amino acids, hydrate, based on a dossier submitted by Zinpro Animal Nutrition Inc.. EFSA J 11:3324.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N.A. Dierick, J. Gropp, and A. Mantovani. 2013. Scientific Opinion on the safety and efficacy of manganese compounds (E5) as feed additives for all animal species: manganous oxide, based on a dossier submitted by Poortershaven Industriële Mineralen B.V.. EFSA J 11:3325.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Galak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, and A.-K. Lundebye. 2013. Scientific Opinion on the safety and efficacy of L-cysteine hydrochloride monohydrate as a flavouring additive for pets. EFSA J 11:3437.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P.S. Cocconcelli, A. Chesson, and M. Mézes. 2013. Scientific opinion on the efficacy of *Lactobacillus plantarum* (ATCC 55058 and ATCC 55942) and *Pediococcus acidilactici* (CNCM I-3237) as silage additives for all animal species. EFSA J 11:3436.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Quantum® Blue (6-phytase) as a feed additive for laying hens and minor laying poultry species. EFSA J 11:3433.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, I. Halle, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific Opinion on the safety and efficacy of Econase® GT (endo-1, 3(4)-beta-glucanase) as a feed additive for chickens for fattening and weaned piglets. EFSA J 11:3432.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the efficacy of Ronozyme® Rumistar (alpha-amylase) as a feed additive for dairy cows. EFSA J 11:3434.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, and A. Mantovani. 2013. Scientific opinion on the safety and efficacy of manganese compounds (E5) as feed additives for all species: manganous oxide and manganous sulphate monohydrate, based on a dossier submitted by Eramet & Comilog Chemicals S.A.. EFSA J 11:3435.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, and I. Halle. 2013. Scientific Opinion on the safety and efficacy of Amylofeed® (endo-1, 3(4)-beta-glucanase, endo-1, 4-beta-xylanase and alpha-amylase) as a feed additive for piglets and young minor porcine species. EFSA J 11:3430.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, J. Gropp, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific Opinion on the safety and efficacy of L-methionine produced by *Escherichia coli* (KCCM 11252P) and *Escherichia coli* (KCCM 11340P) for all animal species. EFSA J 11:3428.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, J. Gropp, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific Opinion on the safety and efficacy of L-valine



produced by *Corynebacterium glutamicum* (KCCM 80058) for all animal species, based on a dossier submitted by CJ Europe GmbH. EFSA J 11:3429.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, N. Dierick, J. Gropp, and A. Mantovani. 2013. Scientific opinion on the characterisation of zinc compound 'Zinc chelate of amino acids, hydrate (Availa®Zinc)' as a feed additive for all animal species. EFSA J 11:3369.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, G. Bories, and J. Gropp. 2013. Scientific opinion on the modification of authorisation of Deccox® (decoquinat) as feed additive for chickens for fattening. EFSA J 11:3370.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Saccharomyces cerevisiae* (NBRC 0203), *Lactobacillus plantarum* (NBRC 3070) and *Lactobacillus casei* (NBRC 3425) as a silage additive for all species. EFSA J 11:3362.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Canibe, N. Dierick, I. Halle, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific opinion on the efficacy and safety of Quantum® Blue (6-phytase) as a feed additive for poultry (except laying hens) and pigs. EFSA J 11:3364.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, J. Gropp, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific opinion on the safety and efficacy of L-tryptophan produced by *Escherichia coli* (FERM BP-11200) for all animal species based on a dossier submitted by Ajinomoto Eurolysine SAS. EFSA J 11:3368.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, P. Brantom, N. Dierick, J. Gropp, P.S. Cocconcelli, B. Glandorf, L. Herman, S. Kärenlampi, and C. Tebbe. 2013. Scientific opinion on the safety and efficacy of concentrated liquid L-lysine (base), concentrated liquid L-lysine monohydrochloride and L-lysine monohydrochloride produced by *Escherichia coli* (FERM BP-10941) for all animal species, based on three dossiers submitted by Ajinomoto Eurolysine SAS. EFSA J 11:3365.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen, R.J. Wallace, J. Westendorf, A. Chesson, P.S. Cocconcelli, and M. Mézes. 2013. Scientific Opinion on the safety and efficacy of *Enterococcus faecium* (NCIMB 10415, DSM 22502, ATCC 53519 and ATCC 55593) as silage additives for all animal species. EFSA J 11:3363.

EFSA Panel on Additives and Products or Substances used in Animal Feed (FEEDAP), G. Aquilina, A. Bach, V. Bampidis, M. de Lourdes Bastos, G. Flachowsky, M.A. Gralak, C. Hogstrand, L. Leng, S. López-Puente, G. Martelli, B. Mayo, D. Renshaw, G. Rychen, M. Saarela K. Seijrsen, P. van Beelen,

R.J. Wallace, J. Westendorf. 2013. Guidance on the renewal of the authorisation of feed additives. EFSA J 11:3431.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, M. Salman, M. Wierup, and M. Sharp. 2013. Scientific Opinion on Review of the European Union Summary Report on trends and sources of zoonoses, zoonotic agents and food-borne outbreaks-Terms of reference 2 to 7. EFSA J 11:3074.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, M. Brown, M.-P. Chauzat, P. Kryger, F. Mutinelli, P. Neumann, W. Ritter, F. Berthe, S. Correia, O. Mosbach-Schulz, A. Rortais, and S. Vos. 2013. Scientific Opinion on the risk of entry of *Aethina tumida* and *Tropilaelaps* spp. in the EU. EFSA J 11:3128.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, T. Baldet, V. Chevalier, O.F. Fihri, E. Fisher, E. Klement, L. Plee, A.G. O'Hagan Rowe, S. Dhollander, F. Verdonck, F. Riolo, and T. Goumperis. 2013. Scientific Opinion on Rift Valley fever. EFSA J 11:3180.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, B. Lambooji, M. Marahrens, M. von Wenzlawowicz, A. Grevelmeyer, F. Verdonck, and A. Afonso. 2013. Scientific Opinion on the use of carbon dioxide for stunning rabbits. EFSA J 11:3250.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, B. Lambooji, M. Marahrens, M. von Wenzlawowicz, A. Grevelmeyer, F. Verdonck, and A. Afonso. 2013. Scientific Opinion on the electrical parameters for the stunning of lambs and kid goats. EFSA J 11:3249.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, I. Brown, M. de Nardi, O. Munoz, M. Pensaert, G. Simon, K. van Reeth, S. Correia, S. Dhollander, P. Have, E. Broberg, C. Gossner, A. Nicoll, N. Krisž, M. Mura, S. Trock, J. Anelli, P. Foley, J. Korslund, and A. Vincent. 2013. Scientific opinion on the possible risks posed by the influenza A (H3N2v) virus for animal health and its potential spread and implications for animal and human health. EFSA J 11:3383.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, B. Algers, H. Anil, A. Benlloch, R. Garcia, M. Gerritzen, K. von Holleben, C. Mason, L. Mirabito, E. Tolo, C. Vermeeren, D. Candiani, C. Fabris, M. Ferrara, and G. Zancanaro. 2013. Scientific Opinion on monitoring procedures at slaughterhouses for pigs. EFSA J 11:3523.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg. A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, B. Algers, H. Anil, A. Benlloch, R. Garcia, M. Gerritzen, K. von Holleben, C. Mason, L. Mirabito, E. Tolo, C. Vermeeren, D. Candiani, C. Fabris, M. Ferrara, and G. Zancanaro. 2013. Scientific Opinion on monitoring procedures at slaughterhouses for sheep and goats. EFSA J 11:3522.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg, A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, B. Algers, H. Anil, A. Benlloch, R. Garcia, M. Gerritzen, K. von Holleben, C. Mason, L. Mirabito, E. Tolo, C. Vermeeren, D. Candiani, C. Fabris, M. Ferrara, and G. Zancanaro. 2013. Scientific Opinion on monitoring procedures at slaughterhouses for poultry. *EFSA J* 11:3521.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg, A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, A. Stegeman, C. Guittre, E. Gormley, J. Bezos, R. Kao, G. Tibaldi, G. Hewinson, R. Jones, F. Verdonck, A. Afonso, and J.C. Abrahantes. 2013. Scientific Opinion on field trials for bovine tuberculosis vaccination. *EFSA J* 11:3475.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg, A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, B. Algers, H. Anil, A. Benlloch, T. Cassidy, R. Garcia, M. Gerritzen, K. von Holleben, C. Mason, L. Mirabito, E. Tolo, C. Vermeeren, D. Candiani, C. Fabris, and M. Ferrara. 2013. Scientific Opinion on monitoring procedures at slaughterhouses for poultry. *EFSA J* 11:3521.

EFSA Panel on Animal Health and Welfare (AHAW), E. Authie, C. Berg, A. Bøtner, H. Browman, I. Capua, A. De Koeijer, K. Depner, M. Domingo, S. Edwards, C. Fourichon, F. Koenen, S. More, M. Raj, L. Sihvonen, H. Spoolder, J.A. Stegeman, H.-H. Thulke, A. Velarde, I. Vågsholm, P. Willeberg, S. Zientara, H. Anil, K. von Holleben, M. Gerritzen, R. Garcia, A. Gervelmeyer, M. Ferrara, D. Candiani, F. Verdonck, K. Mackay, A. Afonso, and L. Martino. 2013. Guidance on the assessment criteria for studies evaluating the effectiveness of stunning interventions regarding animal protection at the time of killing. *EFSA J* 11:3486.

Ehling, C., K.-G. Hadeler, and M. Henning. 2013. Erhaltungsmaßnahmen für das Deutsche Schwarzbunte Niederungsrind. *DSN-Mitteilungen* 6/Mai 2013:7-9.

Elschner, M.C., and C. Hänsel. 2013. Rotz - eine alte Pferdekrankeheit erlangt wieder Bedeutung! *pferde.spiegel* 16:54-59.

Flachowsky, G. 2013. Herausforderungen für eine ressourceneffiziente Erzeugung von Lebensmitteln tierischer Herkunft. *REKASAN Journal* 20(39/40):114-117.

Flachowsky, G., S. Dänicke, P. Lebzien, and U. Meyer. 2013. Lebensmittel tierischer Herkunft ressourceneffizient erzeugen. *Ernährung/Nutrition* 37:207-210.

Flachowsky, G., and U. Meyer. 2013. Fleischrinder im Spannungsfeld von tiergerechter Haltung, Grünlandnutzung, Ressourceneffizienz und Emissionen. *Landinfo* 4/2013:11-13.

Flachowsky, G., and U. Meyer. 2013. Jod bleibt in der Diskussion. *REKASAN Journal* 20(39/40):68-70.

Fouchier, R.A.M., A. García-Sastre, Y. Kawaoka, W.S. Barclay, N.M. Bouvier, I.H. Brown, I. Capua, H. Chen, R.W. Compans, R.B. Couch, N.J. Cox, P.C. Doherty, R.O. Donis, H. Feldmann, Y. Guan, J.M. Katz, O.I. Kiselev, H.D. Klenk, G. Kobinger, J. Liu, X. Liu, A. Lowen, T.C. Mettenleiter, A.D.M.E. Osterhaus, P. Palese, J.S.M. Peiris, D.R. Perez, J.A. Richt, S. Schultz-Cherry, J. Steel, K. Subbarao, D.E. Swayne, T. Takimoto, M. Tashiro, J.K. Taubenberger, P.G. Thomas, R.A. Tripp, T.M. Tumpey, R.J. Webby, and R.G. Webster. 2013. Transmission Studies Resume for Avian Flu. *Science* 339:520-521.

Goldammer, T., A. Rebl, M. Verleih, B. Köllner, T. Korytář, and C. Kühn. 2013. Standortgerechte Fischproduktion - Robuste Forellen für die Ökologische Teichwirtschaft gezüchtet. *ForschungsReport spezial Ökologischer Landbau* 2013, S. 10-11.

**Habig, C., J. Hartung, J. Berk, and B. Spindler.** 2013. Landwirte haben Probleme im Fokus. DGS 36/2013, S. 18.

**Halle, I.** 2013. Untersuchung zum Einfluss von Rapsextraktionsschrot auf das Wachstum von Broilern. In: Zeyner, A., G.I. Stangl, H. Kluth, H. Kluge, and M. Bulang (eds.): 12. Tagung Schweine- und Geflügelernährung, 12.-14. November 2013 Lutherstadt Wittenberg, Institut für Agrar- und Ernährungswissenschaften, Universität Halle-Wittenberg, ISBN: 978-3-86829-575-7, S. 195-197.

**Halle, I., and F. Schöne.** 2013. Influence of rapeseed cake, linseed cake and hemp seed cake on laying intensity, egg composition and fatty acid composition of egg yolk in laying hens. 19<sup>th</sup> European Symposium on Poultry Nutrition, Potsdam, Germany, 26-29 August 2013:24.

**Halle, I., B. Tzschentke, M. Henning, and P. Köhler.** 2013. Influence of temperature stimulation during the last 6 days of incubation on hatching results and alter performance in Pekin ducks. 19<sup>th</sup> European Symposium on Poultry Nutrition, Potsdam, Germany, 26-29 August 2013:25.

**Harder, T. and E. Starick.** 2013. Schweine - Drehscheibe der Influenza A-Viren? In: Brem, G. (ed.): Zoonotische Influenzaviren - Erreger zwischen Banalität und globaler Bedrohung, Symposium der Österreichischen Akademie der Wissenschaften (ÖAW) am 29. und 30. März 2012 in Wien, Verlag der Österreichischen Akademie der Wissenschaften, Wien, ISBN: 978-3-7001-7597-1, 217 S., S. 153-165.

**Henning, M.** 2013. Erhalten durch Verzehr - Bieten alte, bedrohte Nutztierassen dem Konsumenten einen Mehrwert? ForschungsReport 1/2013:28-31.

**Hlinak, A., S. Blome, S. Bilk, and T. Müller.** 2013. Untersuchungen zu ausgewählten Infektionserregern beim Schwarzwild in Brandenburg. Beitr Jagd- u Wildforsch 38:361-370.

**Julich, S., N. Hlawatsch, R. Kopinc, A. Lapanje, and H. Tomaso.** 2013. Purification of Bacillus thuringiensis DNA with polymer-based, microfluidic lab-on-a-chip systems. Proc of SPIE 8719:87190E-1.

**Kampen, H., D. Zielke, and D. Werner.** 2013. Der Mückenatlas: Vom Mitmach-Projekt zur Wissenschaft. Naturwissenschaftl Rundsch 66(6).

**Klaus, C., U. Hörügel, B. Hoffmann, and M. Beer.** 2013. Frühsommer-Meningoenzephalitis (FSME) beim Pferd - Gibt es das wirklich? PFERDE in Sachsen & Thüringen 06/2013:88-89.

**Klemm, R., S. Schattschneider, T. Jahn, N. Hlawatsch, S. Julich, H. Becker, and C. Gärtner.** 2013. Development of a versatile lab-on-a-chip enzyme assay platform for pathogen detection in CBRNE scenarios. Proc of SPIE 8725:87252K-1.

**König, P. and J.P. Teifke.** 2013. Equine infektiöse Anämie - eine (un)bekannte Tierseuche. pferde.spiegel 1/2013:2-8.

**Krüger, D.H., R.G. Ulrich, and J. Hofmann.** 2013. Hantaviruses as Zoonotic Pathogens in Germany. Dt. Ärzteblatt International 110:461-467.

**Kutzer, T., and B. Bünger.** 2013. Alternativen zur Kastenstandhaltung - Auswirkungen einer frühen Sozialisierung von Saugferkeln auf Verhalten und Leistung. Prakt Tierarzt 94:626-635.

**Mettenleiter, T.C.** 2013. Prävention von Zoonosen. Nova Acta Leopold 118:193-201.

**Meyer, U., C. Rauls, and S. Dänicke.** 2013. Untersuchungen zum Einfluss einer Niacinsupplementation bei unterschiedlichen Kraftfutteranteilen in Rationen für Milchkühe auf deren Leistung und verschiedene Stoffwechselfparameter. Forum angewandte Forschung in der Rinder- und Schweinehaltung, Beiträge der Veranstaltung vom 09. und 10. April 2013 in Fulda, S. 96-99.

**Niehoff, I.-D., L. Hüther, P. Lebzien, and G. Flachowsky.** 2013. The effect of a Niacin supplementation to different diets on ruminal fermentation and flow of nutrients to the duodenum of dairy cows. Landbauforsch - Appl Agric Forestry Res 63:143-154.

- Niemann, H.** 2013. Pigs as model systems for biomedical research. In: Rodriguez-Martinez, H., N.M. Soede, W.L. Flowers (eds.), Control of Pig Reproduction IX: Proceedings of the Ninth International Conference on Pig Reproduction, Context Publ., Packington, UK, ISBN: 978-1-899043-48-4, 345 S., S. 267-286.
- Niemann, H.** 2013. Tierzucht - zielgenau und nachhaltig. Deutsche Bauern Korrespondenz **12/2013**:18-19.
- Niemann, H., and A. Ferrari.** 2013. pro & contra. fiph Journal **21/2013**:18-19.
- Niemann, H. and A. Lucas-Hahn.** 2013. Zum somatischen Klonen von Tieren - Entwicklungsstand und Anwendungsperspektiven. BIOforum **2/2013**:22-24.
- Otten, C., A. Berk, and S. Dänicke.** 2013. Einfluss von Lysin- und Energiegehalt des Futters auf freiwillige Futteraufnahme und Wachstumsleistung von Ebern und Kastraten. Forum angewandte Forschung in der Rinder- und Schweinehaltung, Beiträge der Veranstaltung vom 09. und 10. April 2013 in Fulda, S. 193-196.
- Otten, C., A. Berk, and S. Dänicke.** 2013. Futtereinsparpotential in der Ebermast? REKASAN Journal **20(39/40)**:54-56.
- Otten, C., A. Berk, M. Weber, S. Müller, K. Büsing, H. Claus, L. Hagemann, A. Hardinghaus, W. Matthes, M. Rademacher, K. Krüger, G. Riewenherm, A. Zeyner, and S. Dänicke.** 2013. In: Zeyner, A., G.I. Stangl, H. Kluth, H. Kluge, and M. Bulang (eds.): 12. Tagung Schweine- und Geflügelernährung, 12.-14. November 2013 Lutherstadt Wittenberg, Institut für Agrar- und Ernährungswissenschaften, Universität Halle-Wittenberg, ISBN: 978-3-86829-575-7, S. 82-84.
- Petkov, S.** 2013. Stem cells: Perspectives for pig in relation to other species. In: Rodriguez-Martinez, H., N.M. Soede, W.L. Flowers (eds.), Control of Pig Reproduction IX: Proceedings of the Ninth International Conference on Pig Reproduction, Context Publ., Packington, UK, ISBN: 978-1-899043-48-4, 345 S., S. 247-256.
- Pfeffer, M., J. Schmidt-Chanasit, U. Ziegler, G. Dobler, and T. Vahlenkamp.** 2013. Stechmückenübertragene Viren in Deutschland. Eine aktuelle Bestandsaufnahme. Rundschau für Fleischhygiene und Lebensmittelüberwachung **1/2013**:1-4.
- Schirrmeier, H.** 2013. Auftreten von akuten Infektionen mit BVDV-2c in Deutschland. Mitteilungsblatt des ganzen Nordens **2/2013**:17-21.
- Schöne, F., R. Michel, and I. Halle.** 2013. Mengen- und Spurenelementstatus von Hennen und Eiern mit den Presskuchen aus Raps-, Lein- oder Hanfsaat im Futter. In: Zeyner, A., G.I. Stangl, H. Kluth, H. Kluge, and M. Bulang (eds.): 12. Tagung Schweine- und Geflügelernährung, 12.-14. November 2013 Lutherstadt Wittenberg, Institut für Agrar- und Ernährungswissenschaften, Universität Halle-Wittenberg, ISBN: 978-3-86829-575-7, S. 97-99.
- Schrader, L.** 2013. Tierschutz in der Nutztierhaltung - Wo liegen Chancen und Grenzen? Züchtungskunde **85**:34-39.
- Schulz, J., C. Ulrichs, M. Hafez, and J. Berk.** 2013. Kleiner Quälgeist richtet großen Schaden an. DGS **40/2013**, S. 16-20.
- Sprague, L.D.** 2013. Achtung, - Durchfall - Yersinieninfektionen bei Hund und Katze. hundkatzeperd **05/2013**:2-5.
- Stech, J., J. Veits, S. Weber, O. Stech, and T.C. Mettenleiter.** 2013. Molekulare Grundlagen der Pathogenität von aviären Influenzaviren. In: Brem, G. (ed.): Zoonotische Influenzaviren - Erreger zwischen Banalität und globaler Bedrohung, Symposium der Österreichischen Akademie der Wissenschaften (ÖAW) am 29. und 30. März 2012 in Wien, Verlag der Österreichischen Akademie der Wissenschaften, Wien, ISBN: 978-3-7001-7597-1, 217 S., S. 63-68.

**Stehle, E.** 2013. Untersuchungsbedarf bleibt groß. DGS Magazin 27/2013, S. 36-39.

**Stelter, K., A. Berk, J. Frahm, and S. Dänicke.** 2013. Einfluss von getrocknetem Oregano auf Leistung und immunologische Parameter bei Absetzferkeln. Forum angewandte Forschung in der Rinder- und Schweinehaltung, Beiträge der Veranstaltung vom 09. und 10. April 2013 in Fulda, S. 176-179.

**Stelter, K., E. Bloem, A. Berk, and S. Dänicke.** 2013. Metabolisierung von Glucotropaeolin aus Kapuzinerkresse (*Tropaeolum majus L.*) und die Bioverfügbarkeit von Benzyl-Isothiocyant für wachsende Schweine. In: Zeyner, A., G.I. Stangl, H. Kluth, H. Kluge, and M. Bulang (eds.): 12. Tagung Schweine- und Geflügelernährung, 12.-14. November 2013 Lutherstadt Wittenberg, Institut für Agrar- und Ernährungswissenschaften, Universität Halle-Wittenberg, ISBN: 978-3-86829-575-7, S. 23-25.

**Stitz, L.** 2013. mRNA-basierte Immunprophylaxe gegen Influenzavirusinfektionen. Schweiz Med Forum 13:487-489.

**Szymańska-Czerwińska, M., K. Niemczuk, K. Sachse, A. Mitura, T.A. Karpńska, and M. Reichert.** 2013. Detection of a new non-classified *Chlamydia* species in hens in Poland. Bull Vet Inst Pulawy 57:25-28.

**Taylor, U., and A. Bergmann.** 2013. Zwei Milliarden für vierzehn Ferkel - Spermioselektion im Genitaltrakt der Sau. Besamungsunion Schwein 1/2013:22-23.

**Träbing, C., D. Heim, A. Stier, C. Wolf, F. Feldhusen, A. Karger, M. Lorenz, T.C. Mettenleiter, and J.P. Teifke.** 2013. Alkalische Hydrolyse - Alternatives Verfahren zur Verarbeitung von tierischen Nebenprodukten (TNP) - Zulassung eines Verarbeitungsbetriebes für TNP der Kategorie 1 in Mecklenburg-Vorpommern. Amtstierärztl Dienst Lebensm 20:127-133.

**Ulrich, R.G., S.S. Essbauer, D.H. Krüger, M. Pfeffer, and K. Nöckler.** 2013. Nagetier-übertragene Zoonoseerreger in Deutschland. Chirurg Prax 76:175-200.

**Ulrich, R.G., S.S. Essbauer, D.H. Krüger, M. Pfeffer, and K. Nöckler.** 2013. Nagetier-übertragene Zoonoseerreger in Deutschland. Internist Prax 53:207-232.

**Ulrich, R.G., S.S. Essbauer, D.H. Krüger, M. Pfeffer, and K. Nöckler.** 2013. Nagetier-übertragene Zoonoseerreger in Deutschland. Pädiat Prax 80:159-184.

**Ulrich, R.G., S.S. Essbauer, D.H. Krüger, M. Pfeffer, and K. Nöckler.** 2013. Nagetier-übertragene Zoonoseerreger in Deutschland. Gynäkol Prax 37:175-200.

**Ulrich, R.G., S.S. Essbauer, D.H. Krüger, M. Pfeffer, and K. Nöckler.** 2013. Nagetier-übertragene Zoonoseerreger in Deutschland. Tägl Prax 54:207-232.

**Ulrich, R.G., S.S. Essbauer, D.H. Krüger, M. Pfeffer, and K. Nöckler.** 2013. Nagetier-übertragene Zoonoseerreger in Deutschland. Arzneimittel-, Therapie-Kritik & Medizin und Umwelt 2013/Folge 1:207-232.

**Weigend, S.** 2013. Ein Erbe für alle - Zur Erhaltung tiergenetischer Ressourcen und wertvollen Kulturguts. Der Kleintier-Züchter - Kaninchen-Zeitung 16-17/2013 (Sonderheft Lust auf Zucht 2013):38-39.

## Books/Book chapters

**Banyard, A.C., D.T.S. Hayman, C.M. Freuling, T. Müller, A.R. Fooks, and N. Johnson.** 2013. Bat Rabies. In: Jackson, A.C. (ed.), Rabies - Scientific Basis of the Disease and Its Management, 3<sup>rd</sup> Edition, Academic Press, ISBN: 978-012396547-9, 704 p., p. 215-267.

**Barrow, P.A., and U. Methner.** 2013. Vaccination against *Salmonella* Infections in Food Animals: Rationale, Theoretical Basis and Practical Application. In: Barrow, P., and U. Methner (eds.),

Salmonella in Domestic Animals, 2<sup>nd</sup> Edition, CAB International, ISBN: 978-1-8459-3902-1, 560 p., p. 455-475.

**Belaya, V., H. Hansen, and B. Pinior.** 2013. Measuring the Costs of Foodborne Diseases: a Review and Classification of the Literature. *Schriften der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V.* **48**:47-58.

**Berk, J.** 2013. Faustzahlen zur Haltung von Mastgeflügel. In: Damme, K. and F. Muth (eds.), *Geflügeljahrbuch 2014*, Ulmer Verlag, ISBN: 978-3-8001-7942-1, p. 166-187.

**Berk, J.** 2013. Tierschutz bei Masthühnern. In: Damme, K. and F. Muth (eds.), *Geflügeljahrbuch 2014*, Ulmer Verlag, ISBN: 978-3-8001-7942-1, p. 32-37.

**Berk, J.** 2013. Fütterungs- und Tränkeeinrichtungen. In: Jeroch, H., A. Simon, and J. Zentek (eds.), *Geflügelernährung*, Ulmer Verlag, ISBN: 978-3-8001-7942-1, p. 254-255.

**Buda, S., A. Reuß, S. Schink, and T. Harder.** 2013. Influenza als Zoonose. In: Robert Koch-Institut (Hrsg.), *Bericht zur Epidemiologie der Influenza in Deutschland : Saison 2012/13*, Robert Koch-Institut, Berlin, ISBN: 978-3-89606-252-9, S. 85-91.

**Fast, C. and M.H. Groschup.** 2013. Classical and Atypical Scrapie in Sheep and Goats. In: Zou, W.-Q. and P. Gambetti (eds.), *Prions and Diseases: Vol. 2, Animals, Humans and the Environment*, Springer Science+Business Media, New York, ISBN: 978-1-4614-5338-3\_2, 295 p., p. 15-44.

**Flachowsky, G., U. Meyer, and M. Gruen.** 2013. Plant and Animal Breeding as Starting Points for Sustainable Agriculture. In: Lichtfouse, E. (ed.), *Sustainable Agriculture Reviews Vol. 12*, Springer Science+Business Media, Dordrecht, ISBN: 978-94-007-5961-9, 371 p., p. 201-224.

**Fooks, A.R., D. Horton, T. Müller, C.M. Freuling, and C. Rupprecht.** 2013. Chapter 2.1.13. Rabies. In: World Organisation for Animal Health (ed.), *Manual of diagnostic tests and vaccines for terrestrial animals 2013*, OIE, Paris.

**Foster, N., and A. Berndt.** 2013. Immunity to *Salmonella* in Farm Animals and Murine Models of Disease. In: Barrow, P., and U. Methner (eds.), *Salmonella in Domestic Animals, 2<sup>nd</sup> Edition*, CAB International, ISBN: 978-1-8459-3902-1, 560 p., p. 136-161.

**Garrels, W., K. Iqbal, and W.A. Kues.** 2013. Episomal Expression of Minicircles and Conventional Plasmids in Mammalian Embryos. In: Schleef, M. (ed.), *Minicircle and Miniplasmid DNA Vectors: The Future of Nonviral and Viral Gene Transfer*, Wiley-VCH Verlag GmbH & Co KGaA, Weinheim, ISBN: 978-3-5276-7042-0, 258 p.189-202.

**Halle, I.** 2013. Strauße. In: Jeroch, H., A. Simon, and J. Zentek (eds.), *Geflügelernährung*, Verlag Eugen Ulmer, Stuttgart, ISBN: 978-38-001-7869-8, 528 p., p. 380-385.

**Halle, I.** 2013. Maststrauße. In: Jeroch, H., A. Simon, and J. Zentek (eds.), *Geflügelernährung*, Verlag Eugen Ulmer, Stuttgart, ISBN: 978-38-001-7869-8, 528 p., p. 473-475.

**Johnson, N., A.R. Fooks, C. Freuling, T. Müller, H. Ün, O. Aylan, N. Ünal, S. Eskiizmirli, N. Akkoca, and A. Vos.** 2013. The Role of Phylogeography in the Control of Wildlife Rabies in Turkey. In: *Introduction to Sequence and Genome Analysis III*, iConcept Press Ltd., ISBN: 978-1-922227-09-6, 279 p. URL: <http://www.iconceptpress.com/www/site/papers.webView.php?publicationID=BK025-3-1>

**Meyers, G.** 2013. Calicivirus Endopeptidases. In: Rawlings, N.D., and G. Salvesen (eds.), *Handbook of Proteolytic Enzymes, Vol. 2, 3<sup>rd</sup> Edition*, Elsevier, ISBN: 978-012382219-2, 4094 p., p. 2432-2436.

**Michael, G.B., R. Hall, S. Fanning, and S. Schwarz.** 2014. Antimicrobial Resistance in *Salmonella*. In: Barrow, P., and U. Methner (eds.), *Salmonella in Domestic Animals, 2<sup>nd</sup> Edition*, CAB International, ISBN: 978-1-8459-3902-1, 560 p., p. 120-135.

**Moennig, V., P. Becher, and M. Beer.** 2013. Classical Swine Fever. In: Roth, J.A., J.A. Richt, I.A. Morozov (eds.), Vaccines and Diagnostics for Transboundary Animal Diseases, Dev Biol, Basel, **135**:167-174.

**Niemann, H.** 2013. Tierische Erzeugung im Klimawandel: Beiträge der Tierzucht zur Reduktion von Klima-relevanten Emissionen. agrarspectrum **46**:80-87.

**Niemann, H.** 2013. Tierzucht: heute und morgen. In: Storch, V., U. Welsch, and M. Wink (eds.), Evolutionsbiologie, 3. überarbeitete und aktualisierte Auflage, Springer Spektrum, ISBN: 978-3-642-32836-7, 570 p., p. 517-520.

**Reinhold, P.** 2013. Wie viel Mensch ist die Maus? Nutzen alternativer Tiermodelle für die interdisziplinäre medizinische Forschung. In: Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Klasse der Akademie gemeinnütziger Wissenschaften zu Erfurt **15**:95-109.

**Reinhold, P., T. Tschernig, and M. Rosenbruch.** 2013. 16. Workshop des Arbeitskreises Respiratorisches System der Deutschen Veterinärmedizinischen Gesellschaft (DVG) in Kooperation mit der Deutschen Gesellschaft für Pneumologie und Beatmungsmedizin (DGP). Pneumologie **67**:344-348.

**Shivaprasad, H.L., U. Methner, and P.A. Barrow.** 2013. *Salmonella* Infections in the Domestic Fowl. In: Barrow, P., and U. Methner (eds.), Salmonella in Domestic Animals, 2<sup>nd</sup> Edition, CAB International, ISBN: 978-1-8459-3902-1, 560 p., p. 162-192.

**Weidmann, M. and M. Elschner.** 2013. Practical Consideration for Collection and Transportation of Hemorrhagic Fever Samples. In: Singh, S.K. and D. Ruzek (eds.), Viral Hemorrhagic Fevers, CRC Press, ISBN: 978-1-4398-8431-7, 596 p., p. 177-182.

**Wernike, K., B. Hoffmann, and M. Beer.** 2013. Schmallenberg virus. In: Roth, J.A., J.A. Richt, I.A. Morozov (eds.), Vaccines and Diagnostics for Transboundary Animal Diseases, Dev Biol, Basel, **135**:175-182.

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

### Habilitations

**Dr. Methner, Ulrich** (IBIZ): Salmonella-Infektionen des Geflügels: Neue prophylaktische Ansätze zur Bekämpfung (FU Berlin)

### Doctoral theses

**Aberle, Daniel** (IfI): Der Membrananker des pestiviralen Glykoproteins ERNS - Untersuchungen zur Lipidbindungsspezifität und Struktur (Eberhard-Karls-Universität Tübingen)

**Dremsek, Paul** (INNT): Epidemiology of the Hepatitis E Virus in Reservoir Hosts (Ernst-Moritz-Arndt-Universität Greifswald)

**El Adawy, Hosny Hassan Hosny** (IBIZ): Thermophilic campylobacter in turkeys in Germany - Epidemiology, genotyping and antimicrobial sensitivity studies (FU Berlin)

**Heise, Ulrike** (IMP): Erreger-Wirts-Interaktion in der Dickdarmschleimhaut von Schweinen mit experimentell induzierter Schweinedysenterie (Tierärztliche Hochschule Hannover)

**Korytář, Tomáš** (IfI): Functional and molecular investigations of the disease resistance in rainbow trout using the peritoneal model of inflammation (Ernst-Moritz-Arndt-Universität Greifswald)

**Lentz, Hartmut** (IfE): Paths for Epidemics in Static and Temporal Networks (HU Berlin)



**Lohölter, Malte** (ITE): Methods for estimation and nutritional influencing of thermoregulation and heat stress in dairy cows and sheep as well as impacts of changing climatic conditions on the feed value of maize silage (Martin-Luther-Universität Halle-Wittenberg)

**Maksimov, Pavlo** (IfE): Peptid-Mikroarray-basierte serologische Diagnose und Typisierung von Toxoplasma gondii-Infektionen bei Menschen und Katzen in Deutschland (FU Berlin, Fachbereich Veterinärmedizin)

**Müller, Frederik** (IMB): Untersuchungen zur Dynamik des nuclear egress des Pseudorabies Virus durch live-cell imaging mittels konfokaler Laser-Scanning-Mikroskopie (Ernst-Moritz-Arndt-Universität Greifswald)

**Pinior, Beate** (IfE): Application of models for safeguarding the milk supply chain (Rheinische Friedrich-Wilhelms-Universität zu Bonn)

**Pollin, Reiko** (IMB): Lyssavirus Matrixprotein Funktionen bei der Virusmorphogenese und Wirtszellmanipulation (Ernst-Moritz-Arndt-Universität Greifswald)

**Schlegel, Matthias** (INNT): Host range and spillover infections of rodent- and insectivore-borne hantaviruses (Ernst-Moritz-Arndt-Universität Greifswald)

**Schultz (geb. Röttger), Anna Selena** (ITE): The effect of various iodine sources and levels on the performance and the iodine transfer in poultry products and tissues (Tierärztliche Hochschule Hannover)

**Schulz, Claudia** (IVD): Culicoides Fauna und Bluetongue Virus Serotype 8 Infection in South American Camelid Herds in Germany (Justus-Liebig-Universität Gießen)

**Schuster, Franziska** (IMB): Molekulare Mechanismen der primären Umhüllung von Herpesviren (Ernst-Moritz-Arndt-Universität Greifswald)

**Strothmeyer, Marlene** (ING): Kryokonservierung von Bullensperma in kleinen Volumina (Georg-August-Universität Göttingen)

**Weiß, Sonja** (ING): Charakterisierung methicillinresistenter Staphylokokken von stationär aufgenommenen Tieren, Personal und Inventar einer Kleintierklinik (Tierärztliche Hochschule Hannover)

## PhD Theses

**Costa, Sofia** (ING): Efflux pump activity in drug resistance of Staphylococcus aureus (University of Lisbon/Portugal)

**Gómez-Sanz, Elena** (ING): Staphylococcus aureus and Staphylococcus pseudintermedius in Animals: Molecular Epidemiology, Antimicrobial Resistance, Virulence and Zoonotic Potential (University of La Rioja/Spain)

**Huang Yidan** (ING): Epidemiological study on Yersinia ruckeri isolates from rainbow trout (Oncorhynchus mykiss, Walbaum) in Northwestern Germany (Tierärztliche Hochschule Hannover)

## Diploma theses

**Bernstein (geb. Petri), Samuel** (INNT): Molekulare Charakterisierung des Ratten-Hepatitis E-Virus in Europa (Ernst-Moritz-Arndt-Universität Greifswald)

**Hänsel, Christoph** (IBIZ): Etablierung eines Interferon-Gamma-Tests für die immunologische Rotzdiagnostik (Friedrich-Schiller-Universität Jena)

## Master theses

**Girod, Patricia** (ING): Interaktion zwischen Selektion auf Effizienz und phylogenetischer Herkunft in Bezug auf Leistungs- und Nestverhaltensmerkmale beim Legehuhn (Universität Rostock)

**Liermann, Wendy** (ITE): Einfluss von Niacin auf die Granulozytenfunktion bei Milchkühen - Untersuchungen zur Bildung reaktiver Sauerstoffspezies (Hochschule Neubrandenburg)

**Schütt, Raphael-Oliver** (ING): Einfluss verschiedener Tiefgefrierverfahren auf die Auftauqualität boviner Spermien aus Minimalvolumina (Georg-August-Universität Göttingen)

**Singh, Avishek** (INNT): Health Triad Comprising People, Animals and the Environment of Nipah virus Infection in South and South-East Asia Region, and all of its interactions (Berlin School of Public Health, Charité Universitätsmedizin, Berlin)

**Stallforth, Amelie** (ING): In vitro Kultivierung, Charakterisierung und genetische Modifizierung muriner Stammzellen (Tierärztliche Hochschule Hannover)

**Storzer, Marion** (ITE, IVD): Untersuchungen zu den Auswirkungen einer BVD-Impfung und verschiedenen Futterrationen auf Leistungs-, Schlacht- und physiologische Parameter sowie die Immunantwort bei Mastbullen (Georg-August-Universität Göttingen)

**Stroh, Eileen** (INNT): Herstellung rekombinanter Proteine des Japanischen Enzephalitis Virus und Analyse des Einflusses dieser viralen Proteine auf intrazelluläre Signaltransduktionswege eukaryotischer Zellen (Universität Rostock)

## Bachelor theses

**Bobrowski, Anna** (IfE): Epidemiologie des Schmallenberg-Virus in Deutschland in den Jahren 2011/2012 (Universität Rostock)

**Engler, Christoph** (IMED): Molekularer Nachweis der Vermehrung verschiedener Isolate des KHV bei verschiedenen Temperaturen (Ernst-Moritz-Arndt-Universität Greifswald)

**Günther, Maria** (IMB): Matrixproteine Nicht-Segmentierter Negativ-Strang-RNA-Viren: Vergleichende Untersuchungen zur nukleären Lokalisation und Interaktion mit zellulären Faktoren (Ernst-Moritz-Arndt-Universität Greifswald)

**Janke, Una** (IMB): Bedeutung verschiedener Sequenzmotive in pUL31 und pUL34 des Pseudorabies Virus für die Freisetzung der Herpesvirus Kapside aus dem Kern (Nuclear Egress) (Ernst-Moritz-Arndt-Universität Greifswald)

**Johannsmeier, Sonja** (ING): Analyse von blaAmpC-tragenden Plasmiden aus Escherichia coli-Isolaten von erkrankten Tieren (Leibniz Universität Hannover)

**Junginger, Hanna** (IMB): Fluoreszenzmarkierung von Influenza A-Viruspartikeln zur Analyse von intrazellulären Dynamiken (Ernst-Moritz-Arndt-Universität Greifswald)

**Lepzien, Rico** (IfI): Untersuchungen zur Funktion dendritischer Zellen während der Influenzavirusinfektion (Universität Rostock)

**Lindwedel, Anne** (ITE): Untersuchung zur Nährstoffverdaulichkeit und zum Einsatz von Chromoxid für die Etablierung einer Indikatormethode zur Bestimmung der Nährstoffverdaulichkeit bei Kälbern (Universität Hohenheim)

**Mager, Marvin** (IMP): Etablierung eines in house-ELISA zur Konzentrationsbestimmung von Interleukin-1-beta in Coxiella burnetii infizierten Rinder-Makrophagen (Ernst-Abbe-Fachhochschule Jena)

**Martinsson, Matilda** (ITT): Transcriptional Regulation of the Serotonin Transporter in hens (Lund University, Sweden)

**Schneider, Julia** (INNT): Wirtsassoziation des Seewis-Hantavirus (Ernst-Moritz-Arndt-Universität Greifswald)