



Publikationen des FLI 2011

Inhaltsverzeichnis:

Veröffentlichungen in referierten Zeitschriften	S. 2 - 25
Veröffentlichungen in nicht referierten Zeitschriften/Conference Proceedings	S. 25 - 29
Buchbeiträge	S. 30 - 31

Veröffentlichungen in referierten Zeitschriften

- Abbas, T., H. Wilking, C. Staubach, M. Ziller, and F.J. Conraths. 2011. Priority areas for surveillance and prevention of avian influenza during the water-bird migration season in Pakistan. *Geospatial Health* **6**:107-116.
- Abdelwhab, E.M., C. Grund, M.M. Aly, M. Beer, T. Harder, and H.M. Hafez. 2011. Multiple dose vaccination with heterologous H5n2 vaccine: Immune response and protection against variant clade 2.2.1 highly pathogenic avian influenza H5N1 in broiler breeder chickens. *Vaccine* **29**:6219-6225.
- Abdelwhab, E.M., C. Grund, M.M. Aly, M. Beer, T.C. Harder, and H.M. Hafez. 2011. Influence of maternal immunity on vaccine efficacy and susceptibility of one day old chicks against Egyptian highly pathogenic avian influenza H5N1. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.08.004]
- Abdelwhab, E.M. and H.M. Hafez. An overview of the epidemic of highly pathogenic H5N1 avian influenza virus in Egypt. epidemiology and control challenges. *Epidemiol Infect* **139**:647-657.
- Abdelwhab, E.M., D. Lüschow, T.C. Harder, and H.M. Hafez. 2011. The use of FTA® filter papers for diagnosis of avian influenza virus. *J Virol Meth* **174**:120-122.
- Achazi, K., D. Ruzek, O. Donoso-Mantke, M. Schlegel, H. Sheik Ali, M. Wenk, J. Schmidt-Chanasit, L. Ohlmeyer, F. Rühle, T. Vor, C. Kiffner, R. Kallies, R.G. Ulrich, and M. Niedrig. 2011. Rodents as Sentinels for the Prevalence of Tick-Borne Encephalitis Virus. *Vector-Borne Zoon Dis* **11**:641-647.
- Akter, S.H., S. Häussler, S. Dänicke, U. Müller, D. von Soosten, J. Rehage, and H. Sauerwein. 2011. Physiological and conjugated linoleic acid-induced changes of adipocyte size in different fat depots of dairy cows during early lactation. *J Dairy Sci* **94**:2871-2882.
- Al Dahouk, S., E. Hofer, H. Tomaso, G. Vergnaud, P. Le Flèche, A. Cloeckaert, M.S. Koylass, A.M. Whatmore, K. Nöckler, and H.C. Scholz. 2011. Intra-species biodiversity of the genetically homologous species *Brucella microti*. *Appl Environ Microbiol* [Epub ahead of print; doi:10.1128/AEM.06351-11]
- Al-Khleif, A., M. Roth, C. Menge, J. Heuser, G. Baljer, and W. Herbst. 2011. Tenacity of mammalian viruses in the gut of leeches fed with porcine blood. *J Med Microbiol* **60**:787-792.
- Alter, T., S. Bereswill, G. Glünder, L.-M. Haag, I. Hänel, M.M. Heimesaat, R. Lugert, S. Rautenschlein, R.M. Weber, A.E. Zautner, and U. Groß. 2011. Die Campylobacteriose des Menschen - Nutztiere als Reservoir für Campylobacter-Arten. *Bundesgesundheitsbl* **54**:728-734.
- Balkema-Buschmann, A., M. Eiden, C. Hoffmann, M. Kaatz, U. Ziegler, M. Keller, and M.H. Groschup. 2011. BSE infectivity in the absence of detectable PrP^{Sc} accumulation in the tongue and nasal mucosa of terminally diseased cattle. *J Gen Virol* **92**:467-476.
- Balkema-Buschmann, A., C. Fast, M. Kaatz, M. Eiden, U. Ziegler, L. McIntyre, M. Keller, B. Hills, and M.H. Groschup. 2011. Pathogenesis of classical and atypical BSE in cattle. *Prev Vet Med* **102**:112-117.
- Balkema-Buschmann, A., U. Ziegler, L. McIntyre, M. Keller, C. Hoffmann, R. Rogers, B. Hills, and M.H. Groschup. 2011. Experimental challenge of cattle with German atypical bovine spongiform encephalopathy (BSE) isolates. *J Toxicol Environ Health A* **74**:103-109.
- Bandini, L.A., A.F.A. Neto, H.F.J. Pena, G.T. Cavalcante, G. Schares, S.M. Nishi, and S.M. Gennari. 2011. Experimental infection of dogs (*Canis familiaris*) with sporulated oocysts of *Neospora caninum*. *Vet Parasitol* **176**:151-156.
- Bandt, D., S. Monecke, C. Scott, A. Gall, B. Hoffmann, and R. Ehricht. 2011. Economic high-throughput-identification of influenza A subtypes from clinical specimens with a DNA-oligonucleotide

microarray in an outbreak situation. *Mol Cell Probes* [Epub ahead of print; doi:10.1016/j.mcp.2011.10.003]

Barchanski, A., U. Taylor, S. Klein, S. Petersen, D. Rath, and S. Barcikowski. 2011. Golden Perspective: Application of Laser-Generated Gold Nanoparticle Conjugates in Reproductive Biology. *Reprod Domest Anim* **46** (Suppl. 3):42-52.

Basso, W., G. Schares, N.S. Gollnick, M. Rütten, and P. Deplazes. 2011. Exploring the life cycle of *Besnoitia besnoiti* - Experimental infection of putative definitive and intermediate host species. *Vet Parasitol* **178**:223-234.

Batzilla, J., U. Antonenka, D. Höper, J. Heesemann, and A. Rakin. 2011. *Yersinia enterocolitica* *paleoartica* serobiotype O:3/4 - a successful group of emerging zoonotic pathogens. *BMC Genomics* **12**:348.

Batzilla, J., D. Höper, U. Antonenka, J. Heesemann, and A. Rakin. 2011. Complete genome sequence of *Yersinia enterocolitica* subsp. *paleoartica* serogroup O:3. *J Bacteriol* **193**:2067.

Beck, K.E., R.E. Sallis, R. Lockey, C.M. Vickery, V. Béringue, H. Laude, T.M. Holder, L. Thorne, L.A. Terry, A.C. Tout, D. Jayasena, P.C. Griffiths, S. Cawthraw, R. Ellis, A. Balkema-Buschmann, M.H. Groschup, M.M. Simmons, and J. Spiropoulos. 2011. Use of Murine Bioassay to Resolve Ovine Transmissible Spongiform Encephalopathy Cases showing a Bovine Spongiform Encephalopathy Molecular Profile. *Brain Pathol* [Epub ahead of print; doi:10.1111/j.1750-3639.2011.00526.x]

Berger-Schoch, A.E., D.C. Herrmann, G. Schares, N. Müller, D. Bernet, B. Gottstein, and C.F. Frey. 2011. Prevalence and genotypes of *Toxoplasma gondii* in feline faeces (oocysts) and meat from sheep, cattle and pigs in Switzerland. *Vet Parasitol* **177**:290-297.

Bergmann, S.M., and J. Kempter. 2011. Detection of koi herpesvirus (KHV) after re-activation in persistently infected common carp (*Cyprinus carpio* L.) using non-lethal sampling methods. *Bull Eur Ass Fish Pathol* **31**:92-100.

Bertherat, E., P. Thullier, J.C. Shako, K. England, M.-L. Koné, L. Arntzen, H. Tomaso, L. Koyange, P. Formenty, F. Ekwanzala, R. Crestani, I. Ciglenecki, and L. Rahalison. 2011. Lessons Learned about Pneumonic Plague Diagnosis from 2 Outbreaks, Democratic Republic of the Congo. *Emerg Infect Dis* **17**:778-784.

Blome, S., C. Gabriel, C. Staubach, I. Leifer, G. Strebelow, and M. Beer. 2011. Genetic differentiation of infected from vaccinated animals after implementation of an emergency vaccination strategy against classical swine fever in wild boar. *Vet Microbiol* **153**:373-376.

Blome, S., M. Kramer, D. Höreth-Böntgen, F.J. Conraths, K. Depner, W. Böhle, Y. Gall, T. Selhorst, A. Micklich, C. Staubach, D. Kämer, and M. Beer. 2011. Die Afrikanische Schweinepest in Osteuropa - eine Gefahr auch für deutsche Schweinebestände? *Tierärztl Umschau* **66**:291-296.

Bocklisch, H., F. Hühn, W. Herold, H. Tomaso, R. Diller, and H. Hotzel. 2011. Ostrich - a new avian host of *Riemerella columbina*. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.10.013]

Bogs, J., D. Kalthoff, J. Veits, S. Pavlova, M. Schwemmle, B. Mänz, T.C. Mettenleiter, and J. Stech. 2011. Reversion of PB2 627E to 627K during replication of an H5N1 clade 2.2 virus in mammalian hosts depends on origin of the nucleoprotein. *J Virol* **85**:10691-10698.

Borrmann, E., P. Möbius, R. Diller, and H. Köhler. 2011. Divergent cytokine responses of macrophages to *Mycobacterium avium* subsp. *paratuberculosis* strains of Type II and III in a standardized in vitro model. *Vet Microbiol* **152**:101-111.

Borth, N., K. Litsche, C. Franke, K. Sachse, H.P. Saluz, and F. Hänel. 2011. Functional Interaction between Type III-Secreted Protein IncA of *Chlamydomphila psittaci* and Human G3BP1. *PLoS one* **6**:e16692.

- Braun, S.D. and U. Methner.** 2011. Comparison of DNA isolation methods and detection of *Salmonella* spp. from animal faeces and dust using *invA* real-time PCR. *Berl Münch Tierärztl Wochenschr* **124**:177-185.
- Breithaupt, A., D. Kalthoff, J. Dale, F. Bairlein, M. Beer, and J.P. Teifke.** 2011. Neutrotropism in Blackcaps (*Sylvia atricapilla*) and Red-Billed Queleas (*Quelea quelea*) After Highly Pathogenic Avian Influenza Virus H5N1 Infection. *Vet Pathol* **48**:924-932.
- Bridger, P.S., R. Bauerfeind, L. Wenzel, N. Bauer, C. Menge, H.-J. Thiel, M. Reinacher, and K. Doll.** 2011. Detection of colostrum-derived alloantibodies in calves with bovine neonatal pancytopenia. *Vet Immunol Immunopathol* **141**:1-10.
- Buranaamnuay, K., R. Grossfeld, C. Struckmann, and D. Rath.** 2011. Influence of cryoprotectants glycerol and amides, combined with antioxidants on quality of frozen-thawed boar sperm. *Anim Reprod Sci* **127**:56-61.
- Christensen, L.S., K.E. Brehm, J. Skov, K.W. Harlow, J. Christensen, and B. Haas.** 2011. Detection of foot-and-mouth disease virus in the breath of infected cattle using a hand-held device to collect aerosols. *J Virol Meth* **177**:44-48.
- Christerson, L., A. Ruetzger, K. Gravningen, R. Ehricht, K. Sachse, and B. Herrmann.** 2011. High-Resolution Genotyping of *Chlamydia trachomatis* by Use of a Novel Multilocus Typing DNA Microarray. *J Clin Microbiol* **49**:2838-2843.
- Collingro, A., P. Tischler, T. Weinmaier, T. Penz, E. Heinz, R.C. Brunham, T.D. Read, P.M. Bavoil, K. Sachse, S. Kahane, M.G. Friedman, T. Rattei, G.S.A. Myers, and M. Horn.** 2011. Unity in Variety - The Pan-Genome of the *Chlamydiae*. *Mol Biol Evol* **28**:3253-3270.
- Cong, T.V.C., and E. Groeneveld.** 2011. An efficient approach to the deployment of complex open source information systems. *Bioinformatics* **7**:152-153.
- Cong, T.V.C., L.F. Groeneveld, B. Morgenstern, and E. Groeneveld.** 2011. MolabIS - An Integrated Information System for Storing and Managing Molecular Genetics Data. *BMC Bioinformatics* **12**:425.
- Conraths, F.J., K. Schwabenbauer, B. Vallat, and F.X. Meslin.** 2011. Animal health in the 21st century - A global challenge. *Prev Vet Med* **102**:93-97.
- Constantin, E.-M., G. Schares, E. Großmann, K. Sauter, T. Romig, and S. Hartmann.** 2011. Studies on the role of the red fox (*Vulpes vulpes*) as a potential definitive host of *Neospora caninum*. *Berl Münch Tierärztl Wschr* **124**:148-153.
- Cuc, N.T.K., H. Simianer, L.F. Groeneveld, and S. Weigend.** 2011. Multiple maternal lineages of Vietnamese local chickens inferred by mitochondrial DNA D-loop sequences. *Asian-Australas J Anim Sci* **24**:155-161.
- Cuc, N.T.K., S. Weigend, H.V. Tieu, and H. Simianer.** 2011. Conservation priorities and optimum allocation of conservation funds for Vietnamese local chicken breeds. *J Anim Breed Genet* **128**:284-294.
- Czopowicz, M., J. Kaba, H. Schirrmeier, E. Bagnicka, O. Szaluś-Jordanow, M. Nowicki, L. Witkowski, T. Frymus.** 2011. Serological evidence for BVDV-1 infection in goats in Poland - Short communication. *Acta Vet Hung* **59**:399-404.
- Dänicke, S., C. Keese, T. Goyarts, and S. Döll.** 2011. Effects of deoxynivalenol (DON) and related compounds on bovine peripheral blood mononuclear cells (PBMC) in vitro and in vivo. *Mycotox Res* **27**:49-55.
- Dänicke, S., J. Pappritz, T. Goyarts, B. Xu, and S. Rautenschlein.** 2011. Effects of feeding *Fusarium* toxin-contaminated diet to infectious bursal disease virus-infected broilers on the protein turnover of the bursa of Fabricius and spleen. *Arch Anim Nutr* **65**:1-20.

Degen, C., A. Lochner, S. Keller, K. Kuhnt, S. Dänicke, and G. Jahreis. 2011. Influence of *in vitro* supplementation with lipids from conventional and Alpine milk on fatty acids distribution and cell growth of HT-29 cells. *Lipids Health Dis* **10**:131.

Del Medico Zajac, M.P., S.A. Romera, M.F. Ladelfa, F. Kotsias, F. Delgado, J. Thiry, F. Meurens, G. Keil, E. Thiry, and B. Muylkens. 2011. In vitro-generated interspecific recombinants between bovine herpesviruses 1 and 5 show attenuated replication characteristics and establish latency in the natural host. *BMC Vet Res* **7**:19.

Deshmukh, R.S., O. Østrup, E. Østrup, M. Vejlsted, H. Niemann, A. Lucas-Hahn, B. Petersen, J. Li, H. Callesan, P. Hyttel. 2011. DNA methylation in porcine preimplantation embryos developed in vivo and produced by in vitro fertilization, parthenogenetic activation and somatic cell nuclear transfer. *Epigenetics* **6**:177-187.

Diesing, A.-K., C. Nossol, S. Dänicke, N. Walk, A. Post, S. Kahlert, H.-J. Rothkötter, and J. Kluess. 2011. Vulnerability of Polarised Intestinal Porcine Epithelial Cells to Mycotoxin Deoxynivalenol Depends on the Route of Application. *PLoS one* **6**:e17472.

Diesing, A.-K., C. Nossol, P. Panther, N. Walk, A. Post, J. Kluess, P. Kreutzmann, S. Dänicke, H.-J. Rothkötter, and S. Kahlert. 2011. Mycotoxin deoxynivalenol (DON) mediates biphasic cellular response in intestinal porcine epithelial cell lines IPEC-1 and IPEC-J2. *Toxicol Lett* **200**:8-18.

Dippel, S., C.B. Tucker, C. Winckler, and D.M. Weary. 2011. Effects of behaviour on the development of claw lesions in early lactation dairy cows. *Appl Anim Behav Sci* **134**:16-22.

Döll, S. and S. Dänicke. 2011. The *Fusarium* toxins deoxynivalenol (DON) and zearalenone (ZON) in animal feeding. *Prev Vet Med* **102**:132-145.

Döpfer, D., L. Geue, S. Schares, B. Mintel, B. Hoffmann, and E.A.J. Fischer. 2011. Dynamics of shiga-toxin producing *Escherichia coli* (STEC) and their virulence factors in cattle. *Prev Vet Med* [Epub ahead of print; doi:10.1016/j.prevetmed.2011.08.007]

Dremsek, P., J.J. Wenzel, R. Johne, M. Ziller, J. Hofmann, M.H. Groschup, S. Werdermann, U. Mohn, S. Dorn, M. Motz, M. Mertens, W. Jilg, and R.G. Ulrich. 2011. Seroprevalence study in forestry workers from eastern Germany using novel genotype 3- and rat hepatitis E virus-specific immunoglobulin G ELISAs. *Med Microbiol Immunol* [Epub ahead of print; doi:10.1007/s00430-011-0221-2]

Droebner, K., S. Pleschka, S. Ludwig, and O. Planz. 2011. Antiviral activity of the MEK-inhibitor U0126 against pandemic H1N1v and highly pathogenic avian influenza virus in vitro and in vivo. *Antivir Res* **92**:195-203.

Du, G., Z. Shi, D. Xia, X. Wei, L. Zhang, N. Parvizi, and R. Zhao. 2011. Cysteamine improves growth performance and gastric ghrelin expression in preweaning piglets. *Dom Anim Endocrinol* [Epub ahead of print; doi:10.1016/j.domaniend.2011.12.003]

Dubey, J.P. and G. Schares. 2011. Neosporosis in animals - the last five years. *Vet Parasitol* **180**:90-108.

Duehlmeier, R., I. Fluegge, B. Schwert, N. Parvizi, and M. Ganter. 2010. Metabolic adaptations to pregnancy and lactation in German Blackheaded Mutton and Finn sheep ewes with different susceptibilities to pregnancy toxemia. *Small Rum Res* **96**:178-184.

Dundon, W.G., A. Heidari, A. Fusaro, I. Monne, M.S. Beato, G. Cattoli, G. Koch, E. Starick, I.H. Brown, E.W. Aldous, F.-X. Briand, G. Le Gall-Reculé, V. Jestin, P.H. Jørgensen, M. Berg, S. Zohari, G. Metreveli, M. Munir, K. Ståhl, E. Albina, S. Hammoumi, P. Gil, R. Servan de Almeida, K. Śmietanka, K. Domańska-Blicharz, Z. Minta, S. Van Borm, T. van den Berg, A. Moreno Martin, I. Barbieri, and I. Capua. 2011. Genetic data from avian influenza and avian paramyxoviruses generated by the European network of excellence (EPIZONE) between 2006 and 2011 - Review and recommendations for surveillance. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.08.018]

- Eckl, J., A. Buchner, P.U. Prinz, R. Riesenberger, S.I. Siegert, R. Kammerer, P.J. Nelson, and E. Noessner. 2011. Transcript signature predicts tissue NK cell content and defines renal cell carcinoma subgroups independent of TNM staging. *J Mol Med* [Epub ahead of print; doi:10.1007/s00109-011-0806-7]
- Eiden, M., E. Ortega Soto, T.C. Mettenleiter, and M.H. Groschup. 2011. Effects of polymorphisms in ovine and caprine prion protein alleles on cell-free conversion. *BMC Vet Res* 42:30.
- ElAdawy, H., H. Hotzel, H. Tomaso, H. Neubauer, and H.M. Hafez. 2011. Isolation and characterization of *Ochrobactrum anthropi* and *Ochrobactrum pecoris* from caecal content of commercial turkeys. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.09.001]
- El Hajj, N., T. Trapphoff, M. Linke, A. May, T. Hansmann, J. Kutzt, K. Reifenberg, J. Heinzmann, H. Niemann, A. Daser, U. Eichenlaub-Ritter, U. Zechner, and T. Haaf. 2011. Limiting dilution bisulfite (pyro)sequencing reveals parent-specific methylation patterns in single early mouse embryos and bovine oocytes. *Epigenetics* 6:1176-1188.
- Elschner, M.C., H.C. Scholz, F. Melzer, M. Saqib, P. Marten, A. Rassbach, M. Dietzsch, G. Schmoock, V.L. de Assis Santana, M.M.A. de Souza, R. Wernery, U. Wernery, and H. Neubauer. 2011. Use of a Western blot technique for the serodiagnosis of glanders. *BMC Vet Res* 7:4.
- van den Engel, N.K., D. Rüttinger, M. Rusan, R. Kammerer, W. Zimmermann, R.A. Hatz, and H. Winter. 2011. Combination immunotherapy and active-specific tumor cell vaccination augments anti-cancer immunity in a mouse model of gastric cancer. *BMC J Transl Med* 9:140.
- Eschbaumer, M., M. Keller, M. Beer, and B. Hoffmann. 2011. Epizootic hemorrhagic disease virus infection of type I interferon receptor deficient mice. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.08.019]
- Eschbaumer, M., C. Schulz, R. Wäckerlin, M. Gauly, M. Beer, and B. Hoffmann. 2011. Limitations of sandwich ELISAs for bluetongue virus antibody detection. *Vet Rec* 168:643.
- Eschbaumer, M., R. Wäckerlin, G. Savini, S. Zientara, C. Sailleau, E. Bréard, M. Beer, and B. Hoffmann. 2011. Contamination in bluetongue virus challenge experiments. *Vaccine* 29:4299-4301.
- Fereidouni, S.R., U. Ziegler, S. Linke, M. Niedrig, H. Modirrousta, B. Hoffmann, and M.H. Groschup. 2011. West Nile Virus Monitoring in Migrating and Resident Water Birds in Iran: Are Common Coots the Main Reservoirs of the Virus in Wetlands? *Vector-Borne Zoon Dis* 11:1377-1381.
- Feßler, A.T., K. Kadlec, M. Hassel, T. Hauschild, C. Eidam, R. Ehricht, S. Monecke, and S. Schwarz. 2011. Characterization of Methicillin-resistant *Staphylococcus aureus* Isolates from Food and Food Products of Poultry Origin in Germany. *Appl Environ Microbiol* 77:7151-7157.
- Feßler, A.T., K. Kadlec, and S. Schwarz. 2011. Novel Apramycin Resistance Gene *apmA* in Bovine and Porcine Methicillin-resistant *Staphylococcus aureus* ST398. *Antimicrob Agents Chemother* 55:373-375.
- Feßler, A.T., H. Kaspar, C.J. Lindeman, M.R. Stegemann, T. Peters, J. Mankertz, J.L. Watts, and S. Schwarz. 2011. A proposal of interpretive criteria for cefoperazone applicable to bovine mastitis pathogens. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.11.032]
- Flachowsky, G. 2011. Carbon-footprints for food of animal origin, reduction potentials and research need. *J Appl Anim Res* 39:2-14.
- Flachowsky, G., M. Hünerberg, U. Meyer, D.R. Kammerer, R. Carle, M. Goerke, and M. Eklund. 2011. Isoflavone concentration of soybean meal from various origins and transfer of isoflavones into milk of dairy cows. *J Verbr Lebensm* 6:449-456.
- Foster, N., A. Berndt, A.-C. Lalmanach, U. Methner, P. Pasquali, I. Rychlik, P. Velge, X. Zhou, and P. Barrow. 2011. Emergency and therapeutic vaccination - Is stimulating innate immunity and option? *Res Vet Sci* [Epub ahead of print; doi:10.1016/j.rvsc.2011.05.018]

- Freuling, C.M., M. Beer, F.J. Conraths, S. Finke, B. Hoffmann, B. Keller, J. Kliemt, T.C. Mettenleiter, E. Mühlbach, J.P. Teifke, P. Wohlsein, and T. Müller. 2011. Novel lyssavirus in Natterer's bat, Germany. *Emerg Infect Dis* **17**:1519-1522.
- Frielingsdorf, S., T. Schubert, A. Pohlmann, O. Lenz, and B. Friedrich. 2011. A Trimetric Supercomplex of the Oxygen-Tolerant Membrane-Bound [Ni-Fe]-Hydrogenase from *Ralstonia eutropha* H16. *Biochemistry* **50**:10836-10843.
- Fritsch, I., G. Luyven, H. Köhler, W. Lutz, and P. Möbius. 2011. Suspicion of *Mycobacterium avium* subsp. *paratuberculosis* transmission between cattle and wild-living red deer (*Cervus elaphus*) by multi target genotyping. *Appl Environ Microbiol* [Epub ahead of print; doi:10.1128/AEM.06812-11]
- Fritscher-Ravens, A., T. Cuming, C.F. Eisenberger, M. Ghadimi, A. Nilges, H. Meybohm, S. Schiffmann, P. Köhler, B. Jacobsen, F. Seehusen, H. Niemann, and W.T. Knoefel. 2011. Randomized comparative trial of endoscopic versus thoracoscopic full thickness esophageal wall repair after endoscopic mediastinoscopy in healthy versus compromised animals in a long term survival study. *Endoscopy* **42**:468-474.
- Fritscher-Ravens, A., T. Cuming, F. Olagbaiye, C. Holland, P. Milla, F. Seehusen, K.G. Haderler, A. Arlt, and K. Mannur. 2011. Endoscopic transesophageal vs. thorascoscopic removal of mediastinal lymph nodes: A prospective randomized trial in a long term animal survival model. *Endoscopy* **43**:1090-1096.
- Fuchs, W., D. Fichtner, S.M. Bergmann, and T.C. Mettenleiter. 2011. Generation and characterization of koi herpesvirus recombinants lacking viral enzymes of nucleotide metabolism. *Arch Virol* **156**:1059-1063.
- Gabriel, C., S. Blome, A. Malogolovkin, S. Parilov, D. Kolbasov, J.P. Teifke, and M. Beer. 2011. Characterization of African Swine Fever Virus Caucasus Isolate in European Wild Boars. *Emerg Infect Dis* **17**:2342-2345.
- Gärke, C., F. Ytournal, B. Bed'hom, I. Gut, M. Lathrop, S. Weigend, and H. Simianer. 2011. Comparison of SNPs and microsatellites for assessing the genetic structure of chicken populations. *Anim Genet* [Epub ahead of print; doi:10.1111/j.1365-2052.2011.02284.x]
- Gale, P., B. Stephenson, A. Brouwer, M. Martinez, A. de la Torre, J. Bosch, M. Foley-Fisher, P. Bonilauri, A. Lindström, R. G. Ulrich, C. J. de Vos, M. Scremin, Z. Liu, L. Kelly, and M.J. Muñoz. 2011. Impact of climate change on risk of incursion of Crimean-Congo haemorrhagic fever virus in livestock in Europe through migratory birds. *J Appl Microbiol* [Epub ahead of print; doi:10.1111/j.1365-2672.2011.05203.x]
- Garcia-Herrerros, M., M. Aparicio, D. Rath, T. Fair, and P. Lonergan. 2011. Differential glycolytic and glycogenogenic transduction pathways in male and female bovine embryos produced in vitro. *Reprod Fertil Dev* **24**:344-352.
- Garcia-Herrerros, M., T.F. Carter, D.A. Villagómez, A.D. Macaulay, D. Rath, W.A. King, and P. Lonergan. 2011. Incidence of chromosomal abnormalities in bovine blastocysts derived from unsorted and sex-sorted spermatozoa. *Reprod Fertil Dev* **22**:1272-1278.
- Garrels, W., S. Holler, U. Taylor, D. Herrmann, C. Struckmann, S. Klein, B. Barg-Kues, M. Nowak-Imialek, C. Ehling, D. Rath, Z. Ivics, H. Niemann, and W.A. Kues. 2011. Genotype-Independent Transmission of Transgenic Fluorophore Protein by Boar Spermatozoa. *PLoS one* **6**:e27563.
- Garrels, W., L. Mátés, S. Holler, A. Dalda, U. Taylor, B. Petersen, H. Niemann, Z. Izsvák, Z. Ivics, and W.A. Kues. 2011. Germline Transgenic Pigs by *Sleeping Beauty* Transposition in Porcine Zygotes and Targeted Integration in the Pig Genome. *PLoS one* **6**:e23573.
- Garrels, W., H. Niemann, and W.A. Kues. 2011. Mendelian inheritance by eye. *Mol Reprod Dev* [Epub ahead of print; doi:10.1002/mrd.22000]

- Geissen, M., F. Leidel, M. Eiden, T. Hirschberger, C. Fast, U. Bertsch, P. Tavan, A. Giese, H. Kretzschmar, H.M. Schätzl, and M.H. Groschup. 2011. From High-Throughput Cell Culture Screening to Mouse Model: Identification of New Inhibitor Classes against Prion Disease. *ChemMedChem* **6**:1928-1937.
- Gentile, A., G. Militerno, G. Schares, A. Nanni, S. Testoni, P. Bassi, and N.S. Gollnick. 2011. Evidence for bovine besnoitiosis being endemic in Italy - first *in vitro* isolation of *Besnoitia besnoiti* from cattle born in Italy. *Vet Parasitol* [Epub ahead of print; doi:10.1016/j.vetpar. 2011.09.014]
- Godfroid, J., H.C. Scholz, T. Barbier, C. Nicolas, P. Wattiau, D. Fretin, A.M. Whatmore, A. Cloeckart, J.M. Blasco, I. Moriyon, C. Saegerman, J.B. Muma, S. Al Dahouk, H. Neubauer, and J.-J. Letesson. 2011. Brucellosis at the animal/ecosystem/human interface at the beginning of the 21st century. *Prev Vet Med* **102**:118-131.
- Gohrbandt, S., J. Veits, J. Hundt, J. Bogs, A. Breithaupt, J.P. Teifke, S. Weber, T.C. Mettenleiter, and J. Stech. 2011. Amino acids adjacent to the haemagglutinin cleavage site are relevant for virulence of avian influenza viruses of subtype H5. *J Gen Virol* **92**:51-59.
- Gohrbandt, S., J. Veits, A. Breithaupt, J. Hundt, J.P. Teifke, O. Stech, T.C. Mettenleiter, and J. Stech. 2011. H9 avian influenza reassortant with engineered polybasic cleavage site displays high pathogenic phenotype in chicken. *J Gen Virol* **92**:1843-1853.
- Goraga, Z., S. Weigend, and G. Brockmann. 2011. Genetic diversity and population structure of five Ethiopian chicken ecotypes. *Anim Genet* [Epub ahead of print; doi:10.1111/j.1365-2052.2011.02270.x]
- Groeneveld, L.F., R.M. Rasoloarison, and P.M. Kappeler. 2011. Morphometrics confirm taxonomic deflation in dwarf lemurs (Primates: Cheirogaleidae), as suggested by genetics. *Zool J Linn Soc* **161**:229-244.
- Grund, C., E.-S.M. Abdelwhab, A.-S. Arafa, M. Ziller, M.K. Hassan, M.M. Aly, H.M. Hafez, T.C. Harder, and M. Beer. 2011. Highly pathogenic avian influenza virus H5N1 from Egypt escapes vaccine-induced immunity but confers clinical protection against a heterologous clade 2.2.1 Egyptian isolate. *Vaccine* **29**:5567-5573.
- Gwida, M., A. El-Gohary, F. Melzer, I. Khan, U. Rösler, and H. Neubauer. 2011. Brucellosis in camels. *Res Vet Sci* [Epub ahead of print; doi:10.1016/j.rvsc.2011.05.002]
- Gwida, M.M., A.H. El-Gohary, F. Melzer, H. Tomaso, U. Rösler, U. Wernery, 2011. Comparison of diagnostic tests for the detection of *Brucella* spp. in camel sera. *BMC Res Notes* **4**:525.
- Haasbach, E., K. Droebner, A.B. Vogel, and O. Planz. 2011. Low-Dose Interferon Type I Treatment Is Effective Against H5N1 and Swine-Origin H1N1 Influenza A Viruses *In Vitro* and *In Vivo*. *J Interferon Cytokine Res* **31**:515-525.
- Haasbach, E., E.-K. Pauli, R. Spranger, D. Mitzner, U. Schubert, R. Kircheis, and O. Planz. 2011. Antiviral activity of the proteasome inhibitor VL-01 against influenza A viruses. *Antivir Res* **91**:304-313.
- Hänel, I., H. Hotzel, W. Müller, and H. Tomaso. 2011. Antimicrobial susceptibility testing of German *Campylobacter fetus* subsp. *venerealis* isolates by agar disk diffusion method. *Berl Münch Tierärztl Wschr* **124**:198-202.
- Hagen, C., P. Guttmann, B. Klupp, S. Werner, S. Rehbein, T.C. Mettenleiter, G. Schneider, and K. Grünwald. 2011. Correlative VIS-fluorescence and soft X-ray cryo-microscopy/tomography of adherent cells. *J Struct Biol* [Epub ahead of print; doi:10.1016/j.jsb.2011.12.012]
- Hagen, R.M., H. Frickmann, M. Elschner, F. Melzer, H. Neubauer, Y.P. Gauthier, P. Racz, and S. Poppert. 2011. Rapid identification of *Burkholderia pseudomallei* and *Burkholderia mallei* by fluorescence *in situ* hybridization (FISH) from culture and paraffin-embedded tissue samples. *Int J Med Microbiol* **301**:585-590.

- Halle, I., M. Henning, and P. Köhler.** 2011. Influence of vitamin B₁₂ and Cobalt on growth of broiler chickens and Pekin ducks. *Landbauforschung* **61**:299-306.
- Halle, I., G. Jahreis, M. Henning, P. Köhler, and S. Dänicke.** 2011. Effects of dietary conjugated linoleic acid on the growth performance of chickens and ducks for fattening and fatty acid composition of breast meat. *J Verbr Lebensm* [Epub ahead of print; doi:10.1007/s00003-011-0749-5]
- Halle, I. and B. Tzschentke.** 2011. Influence of Temperature Manipulation during the Last 4 Days of Incubation on Hatching Results, Post-Hatching Performance and Adaptability to Warm Growing Conditions in Broiler Chickens. *J Poultry Sci* **48**:97-105.
- Hansmann, T., J. Heinzmann, C. Wrenzycki, U. Zechner, H. Niemann, and T. Haaf.** 2011. Characterization of Differentially Methylated Regions in 3 Bovine Imprinted Genes: A Model for Studying Human Germ-Cell and Embryo Development. *Cytogenet Genome Res* **132**:239-247.
- Hauschild, J., B. Petersen, Y. Santiago, A.-L. Queisser, J.W. Carnwath, A. Lucas-Hahn, L. Zhang, X. Meng, P.D. Gregory, R. Schwinzer, G.J. Cost, and H. Niemann.** 2011. Efficient generation of a biallelic knockout in pigs using zinc-finger nucleases. *Proc Natl Acad Sci U.S.A.* **108**:12013-12017.
- Hauschild, T., A.T. Feßler, K. Kadlec, C. Billerbeck, and S. Schwarz.** 2011. Detection of the novel *vga(E)* gene in methicillin-resistant *Staphylococcus aureus* CC398 isolates from cattle and poultry. *J Antimicrob Chemother* [Epub ahead of print; doi:10.1093/jac/dkr446]
- Haybaeck, J. M. Heikenwalder, B. Klevenz, P. Schwarz, I. Margalith, C. Bridel, K. Mertz, E. Zirdum, B. Petsch, T.J. Fuchs, L. Stitz, and A. Aguzzi.** 2011. Aerosols Transmit Prions to Immunocompetent and Immunodeficient Mice. *PLoS Path* **7**:e1001257.
- Heegaard, P.M.H., L. Dedieu, N. Johnson, M.-F. Le Potier, M. Mockey, F. Mutinelli, T. Vahlenkamp, M. Vascellari, and N.S. Sørensen.** 2011. Adjuvants and delivery systems in veterinary vaccinology: current state and future developments. *Arch Virol* **156**:183-202.
- Heinzmann, J., T. Hansmann, D. Herrmann, C. Wrenzycki, U. Zechner, T. Haaf, and H. Niemann.** 2011. Epigenetic Profile of Developmentally Important Genes in Bovine Oocytes. *Mol Reprod Dev* **78**:188-201.
- Heller, C., T. Weisser, A. Mueller-Schickert, E. Rufer, A. Hoh, R.M. Leonhardt, and M.R. Knittler.** 2011. Identification of key amino acid residues that determine the ability of high-risk HPV 16-E7 to dysregulate MHC class I expression. *J Biol Chem* **286**:10983-10997.
- Henning, K. and U. Nagel-Kohl.** 2011. Zur Diagnostik von Chlamydien-Infektionen in veterinärmedizinischen Laboratorien in Deutschland. *Tierärztl Umschau* **66**:3-5.
- Herder, V., R. Barsnick, U. Walliser, J.P. Teifke, P. König, G. Czerwinski, F. Hansmann, W. Baumgärtner, M. Hewicker-Trautwein.** 2011. Equid herpesvirus 5-associated dermatitis in a horse - resembling herpes-associated erythema multiforme. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.09.020]
- Herrmann, D.C., A. Maksimov, N. Pantchev, M. Globokar Vrhovec, F.J. Conraths, and G. Schares.** 2011. Comparison of different commercial DNA extraction kits to detect *Toxoplasma gondii* oocysts in cat faeces. *Berl Münch Tierärztl Wschr* **124**:497-502.
- Herrmann, D.C., P. Maksimov, A. Maksimov, A. Sutor, S. Schwarz, W. Jaschke, A. Schliephake, N. Denzin, F.J. Conraths, and G. Schares.** 2011. *Toxoplasma gondii* in foxes and rodents from the German Federal States of Brandenburg and Saxony-Anhalt: Seroprevalence and genotypes. *Vet Parasitol* [Epub ahead of print; doi:10.1016/j.vetpar.2011.10.030]
- Herzog, K., J. Koerte, G. Flachowsky, and H. Bollwein.** 2011. Variability of uterine blood flow in lactating cows during the second half of gestation. *Theriogenology* **75**:1688-1694.

- Herzog, K., C. Voss, J.P. Kastelic, N. Beindorff, V. Paul, H. Niemann, and H. Bollwein. 2011. Luteal blood flow increases during the first three weeks of pregnancy in lactating dairy cows. *Theriogenology* 75:549-554.
- Heyman, P., C.S. Ceianu, I. Christova, N. Tordo, M. Beersma, M.J. Alves, A. Lundkvist, M. Hukic, A. Papa, A. Tenorio, H. Zelená, S. Eßbauer, I. Visontai, I. Golovljova, J. Connell, L. Nicoletti, M. Van Esbroeck, S. Gjeruldsen Dudman, S.W. Aberle, T. Avšič-Zupanc, G. Korukluoglu, A. Nowakowska, B. Klempa, R.G. Ulrich, S. Bino, O. Engler, M. Opp, and A. Vaheri. 2011. A five-year perspective on the situation of haemorrhagic fever with renal syndrome and status of the hantavirus reservoirs in Europe, 2005-2010. *Eurosurveillance* 16:15-22.
- Hilbert, A., P. Reith, S.O. Brockmann, J. Tyczka, S.F. Fischer, I. Piechotowski, C. Wagner-Wiening, C.H. Winter, J. Bendak, C. Meier, D. Spengler, T. Miller, C. Kleine-Albers, C. Renner, U. Koepsel, E. Hensler, K. Henning, A. Fröhlich, F.J. Conraths, and M. Kramer. 2011. Epidemiological enquiries in two Q fever outbreaks in a community in Baden-Württemberg during 2008 and 2009. *Berl Münch Tierärztl Wschr* 124:295-302.
- Hildebrand, B., J. Boguhn, S. Dänicke, and M. Rodehutschord. 2011. Effect of Fusarium toxin-contaminated triticale and forage-to-concentrate ratio on fermentation and microbial protein synthesis in the rumen. *J Anim Physiol Anim Nutr* [Epub ahead of print; doi:10.1111/j.1439-0396.2011.01143.x]
- Hildebrandt, A., J. Franke, G. Schmoock, K. Pauliks, A. Krämer, and E. Straube. 2011. Diversity and Coexistence of Tick-Borne Pathogens in Central Germany. *J Med Entomol* 48:651-655.
- Hildebrandt, A., E. Straube, H. Neubauer, and G. Schmoock. 2011. *Coxiella burnetii* and Coinfections in *Ixodes ricinus* Ticks in Central Germany. *Vector-Borne Zoon Dis* 11:1205-1207.
- Höner, O.P., B. Wachter, K.V. Goller, H. Hofer, V. Runyoro, D. Thierer, R.D. Fyumagwa, T. Müller, and M.L. East. 2011. The impact of a pathogenic bacterium on a social carnivore population. *J Anim Ecol* [Epub ahead of print; doi:10.1111/j.1365-2656.2011.01873.x]
- Höper, D., B. Hoffmann, and M. Beer. 2011. A Comprehensive Deep Sequencing Strategy for Full-Length Genomes of Influenza A. *PLoS one* 6:e19075.
- Höper, D., D. Kalthoff, B. Hoffmann, and M. Beer. 2011. Highly Pathogenic Avian Influenza Subtype H5N1 escaping neutralization: more than HA variation. *J Virol* [Epub ahead of print; doi:10.1128/JVI.00797-11]
- Hofer, E., S. Revilla-Fernández, S. Al Dahouk, J.M. Riehm, K. Nöckler, M.S. Zygmunt, A. Cloeckaert, H. Tomaso, and H.C. Scholz. 2011. A potential novel *Brucella* species isolated from mandibular lymph nodes of red foxes in Austria. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.08.009]
- Hoffmann, B., S. Blome, P. Bonilauri, J. Fernández-Piñero, I. Greiser-Wilke, A. Haegeman, M. Isaksson, F. Koenen, N. LeBlanc, I. Leifer, M.-F. Le Potier, W. Loeffen, T. B. Rasmussen, T. Stadjek, K. Ståhl, Marylène Tignon, Åse Uttenthal, W. van der Poel, and M. Beer. 2011. Classical swine fever virus detection: results of a real-time reverse transcription polymerase chain reaction ring trial conducted in the framework of the European network of excellence for epizootic disease diagnosis and control. *J Vet Diagn Invest* 23:999-1004.
- Hoffmann, B., H. Wiesner, J. Maltzan, R. Mustefa, M. Eschbaumer, F.A. Arif, and M. Beer. 2011. Fatalities in wild Goats in Kurdistan Associated with Peste Des Petits Ruminants Virus. *Transbound Emerg Dis* [Epub ahead of print; doi:10.1111/j.1865-1682.2011.01270.x]
- Hoffmann, C., M. Eiden, M. Kaatz, M. Keller, U. Ziegler, R. Rogers, B. Hills, A. Balkema-Buschmann, L. van Keulen, J.G. Jacobs, and M.H. Groschup. 2011. BSE infectivity in jejunum, ileum and ileocaecal junction of incubating cattle. *BMC Vet Res* 42:21.
- Hübner, K. and L. Phi-van. 2011. *In vivo* Binding of Orc2 to a Region of the Chicken Lysozyme *GAS41* Origin Containing Multiple Sp1-Binding Sites. *DNA Cell Biol* [Epub ahead of print; doi:10.1089/dna.2011.1278]

- Iqbal, K., W.A. Kues, U. Baulain, W. Garrels, D. Herrmann, and H. Niemann. 2010. Species-Specific Telomere Length Differences Between Blastocyst Cell Compartments and Ectopic Telomere Extension in Early Bovine Embryos by Human Telomerase Reverse Transcription. *Biol Reprod* **84**:723-733.
- Jacobsen, I.D., K. Große, A. Berndt, and B. Hube. 2011. Pathogenesis of *Candida albicans* Infections in the Alternative Chorio-Allantoic Membrane Chicken Embryo Model Resembles Systemic Murine infections. *PLoS one* **6**:e19741.
- Jöst, H., A. Bialonski, D. Maus, V. Sambri, M. Eiden, M.H. Groschup, S. Günther, N. Becker, and J. Schmidt-Chanasit. 2011. Isolation of Usutu Virus in Germany. *Am J Trop Med Hyg* **85**:551-553.
- Johne, R., P. Otto, B. Roth, U. Löhren, D. Belnap, J. Reetz, and E. Trojnar. 2011. Sequence analysis of the VP6-encoding genome segment of avian group F and G rotaviruses. *Virology* **412**:384-391.
- Johnson, N., C. Freuling, D. Horton, T. Müller, and A.R. Fooks. 2011. Imported Rabies, European Union and Switzerland, 2001-2010. *Emerg Infect Dis* **17**:753-754.
- Jurczynski, K. K.P. Lyashchenko, D. Gomis, I. Moser, R. Greenwald, and P. Moisson. 2011. Pinniped Tuberculosis in Malayan Tapirs (*Tapirus indicus*) and its Transmission to Other Terrestrial Mammals. *J Zoo Wildl Med* **42**:222-227.
- Kadlec, K., E. von Czapiewski, H. Kaspar, J. Wallmann, G. Brenner Michael, U. Steinacker, and S. Schwarz. 2011. Molecular basis of sulfonamide and trimethoprim resistance in fish-pathogenic *Aeromonas* isolates. *Appl Environ Microbiol* **77**:7147-7150.
- Kadlec, K., E. van Duijkeren, J.A. Wagenaar, and S. Schwarz. 2011. Molecular basis of rifampicin resistance in methicillin-resistant *Staphylococcus pseudintermedius* isolates from dogs. *J Antimicrob Chemother* **66**:1236-1242.
- Kadlec, K., G.B. Michael, M.T. Sweeney, E. Brzuszkiewicz, H. Liesegang, R. Daniel, J.L. Watts, and S. Schwarz. 2011. Molecular Basis of Macrolide, Triamylide and Lincosamide Resistance in *Pasteurella multocida* from Bovine Respiratory Disease. *Antimicrob Agents Chemother* **55**:2475-2477.
- Kämpfer, P., B. Huber, H.-J. Busse, H.C. Scholz, H. Tomaso, H. Hotzel, and F. Melzer. 2011. *Ochrobactrum pecoris* sp. nov., isolated from farm animals. *Int J System Evol Microbiol* **61**:2278-2283.
- Kalthoff, D., P. König, H. Meyer, M. Beer, and B. Hoffmann. 2011. Experimental Cowpox Virus Infection in Rats. *Vet Microbiol* **153**:382-386.
- Kammerer, R., A. Buchner, P. Palluch, T. Pongratz, K. Oboukhovskij, W. Beyer, A. Johansson, H. Stepp, R. Baumgartner, and W. Zimmermann. 2011. Induction of Immune Mediators in Glioma and Prostate Cancer Cells by Non-Lethal Photodynamic Therapy. *PLoS one* **6**:e21834.
- Kampen, H. and D. Werner. 2010. Human-biting potential of the predatory flower bug *Orius majusculus* (Hemiptera: Anthracoridae). *Parasitol Res* **108**:1579-1581.
- Karger, A., H. Kampen, B. Bettin, H. Dautel, M. Ziller, B. Hoffmann, J. Süß, and C. Klaus. 2011. Species determination and characterization of developmental stages of ticks by whole-animal matrix-assisted laser desorption/ionization mass spectrometry. *Ticks Tick-borne Dis* [Epub ahead of print; doi:10.1016/j.ttbdis.2011.11.002]
- Karger, A., M. Ziller, B. Bettin, B. Mintel, S. Schares, and L. Geue. 2011. Determination of Serotypes of Shiga Toxin-Producing *Escherichia coli* Isolates by Intact Cell Matrix-Assisted Laser Desorption Ionization - Time of Flight Mass Spectrometry. *Appl Environ Microbiol* **77**:896-905.
- Kaulitz, D., D. Mihica, J. Dorna, M. Rodrigues Costa, B. Petersen, H. Niemann, R.R. Tönjes, and J. Denner. 2011. Development of sensitive methods for detection of porcine endogenous retrovirus-C (PERV-C) in the genome of pigs. *J Virol Meth* **175**:60-65.

- Kehrenberg, C., and S. Schwarz.** 2011. Trimethoprim resistance in a porcine *Pasteurella aerogenes* isolate is based on a *dfpA1* gene cassette located in a partially truncated class 2 integron. *J Antimicrob Chemother* **66**:450-452.
- Khan, I., L.H. Wieler, F. Melzer, M. Gwida, V.L.de.A. Santana, M.M.A. de Souza, M. Saqib, M.C. Elschner, and H. Neubauer.** 2011. Comparative evaluation of three commercially available complement fixation test antigens for the diagnosis of glanders. *Vet Rec* **169**:495.
- Kiefer, D., G. Dalantai, T. Damdindorj, J.M. Riehm, H. Tomaso, L. Zöller, O. Dashdavaa, K. Pfister, and H.C. Scholz.** 2011. Phenotypical Characterization of Mongolian *Yersinia pestis* Strains. *Vector-Borne Zoon Dis* [Epub ahead of print; doi:10.1089/vbz.2011.0748]
- Kiehntopf, M., F. Melcher, I. Hänel, H. Eladawy, and H. Tomaso.** 2011. Differentiation of campylobacter species by surface-enhanced laser desorption/ionization-time-of-flight mass spectrometry. *Foodborne Path Dis* **8**:875-885.
- Kinnunen, P.M., H. Henttonen, B. Hoffmann, E.R. Kallio, C. Korthase, J. Laakkonen, J. Niemimaa, A. Palva, M. Schlegel, H. Sheik Ali, P. Suominen, R.G. Ulrich, A. Vaheri, and O. Vapalahti.** 2011. Orthopox Virus Infections in Eurasian Wild Rodents. *Vector-Borne Zoon Dis* **11**:1133-1140.
- Kjaer, J.B.** 2011. Neonate pecking preferences and feather pecking in domestic chickens: investigating the 'changed template' hypothesis. *Arch Geflügelk* **75**:273-278.
- Kjaer, J.B., H. Glawatz, B. Scholz, S. Rettenbacher, and R. Tauson.** 2011. Reducing stress during welfare inspection: validation of a non-intrusive version of the LayWel plumage scoring system for laying hens. *Br Poultry Sci* **52**:149-154.
- Kjaer, J.B. and H. Jørgensen.** 2011. Heart rate variability in domestic chicken lines genetically selected on feather pecking behavior. *Genes Brain Behav* **10**:747-755.
- Klaus, C., M. Beer, R. Saier, U. Schau, U. Moog, B. Hoffmann, R. Diller, and J. Süß.** 2011. Goats and sheep as sentinels for tick-borne encephalitis (TBE) virus - Epidemiological studies in areas endemic and non-endemic for TBE virus in Germany. *Ticks Tick-borne Dis* [Epub ahead of print; doi:10.1016/j.ttbdis.2011.09.011]
- Klaus, C., M. Beer, R. Saier, H. Schubert, S. Bischoff, and J. Süß.** 2011. Evaluation of serological tests for detecting tick-borne encephalitis virus (TBEV) antibodies in animals. *Berl Münch Tierärztl Wschr* **124**:443-449.
- Klein, S., S. Petersen, U. Taylor, D. Rath, and S. Barcikowski.** 2011. Quantitative visualization of colloidal and intracellular gold nanoparticles by confocal microscopy. *J Biomed Opt* **15**:036015.
- Klupp, B.G., H. Granzow, and T.C. Mettenleiter.** 2011. Nuclear Envelope Breakdown Can Substitute for Primary Envelopment-Mediated Nuclear Egress of Herpesviruses. *J Virol* **85**:8285-8292.
- de Koeijer, A.A., G.J. Boender, G. Nodelijk, C. Staubach, E. Meroc, and A.R.W. Elbers.** 2011. Quantitative analysis of transmission parameters for bluetongue virus serotype 8 in Western Europe in 2006. *BMC Vet Res* **42**:53.
- Kohls, A., H.M. Hafez, T. Harder, A. Jansen, P. Lierz, D. Lüschor, B. Schweiger, and M. Lierz.** 2011. Avian influenza virus risk assessment in falconry. *Virology J* **8**:187.
- König, P., S. Blome, C. Gabriel, I. Reimann, and M. Beer.** 2011. Innocuousness and safety of classical swine fever marker vaccine candidate CP7_E2alf in non-target and target species. *Vaccine* **30**:5-8.
- Krause, E.T., S. Petow, and J.B. Kjaer.** 2011. A note on the physiological and behavioural consequences of cannibalistic toe pecking in laying hens (*Gallus gallus domesticus*). *Arch Geflügelk* **75**:140-143.
- Krautwald-Junghanns, M.-E., R. Ellerich, H. Mitterer-Istyagin, M. Ludewig, K. Fehlhaber, E. Schuster, J. Berk, A. Dressel, S. Petermann, W. Kruse, U. Noack, K. Albrecht, and T. Bartels.** 2011.

Examination of the prevalence of skin injuries in debeaked fattened turkeys. *Berl Münch Tierärztl Wschr* **124**:8-16.

Krautwald-Junghanns, M.-E., R. Ellerich, H. Mitterer-Istyagin, M. Ludewig, K. Fehlhaber, E. Schuster, J. Berk, S. Petermann, and T. Bartels. 2011. Examinations on the prevalence of footpad lesions and breast skin lesions in British United Turkeys Big 6 fattening turkeys in Germany. Part I: Prevalence of footpad lesions. *Poultry Sci* **90**:555-560.

Kruckenberger, H., T. Müller, C. Freuling, R.-U. Mühle, A. Globig, H. Schirmer, M. Buss, T. Harder, M. Kramer, K. Teske, K. Polderdijk, D. Wallschläger, and A. Hlinak. 2011. Serological and virological survey and resighting of marked wild geese in Germany. *Eur J Wildl Res* **57**:1025-1032.

Kucinkaite-Kodze, I., R. Petraityte-Burneikiene, A. Zvirbliene, B. Hjelle, R.A. Medina, A. Gedvilaite, A. Razanskiene, J. Schmidt-Chanasit, M. Mertens, P. Padula, K. Sasnauskas, and R.G. Ulrich. 2011. Characterization of monoclonal antibodies against hantavirus nucleocapsid protein and their use for immunohistochemistry on rodent and human samples. *Arch Virol* **156**:443-456.

Kuczius, T., J. Wohlers, H. Karch, and M.H. Groschup. 2011. Subtyping of human cellular prion proteins and their differential solubility. *Exp Neurol* **227**:188-194.

Kues, W.A. and H. Niemann. 2011. Advances in farm animal transgenesis. *Prev Vet Med* **102**:146-156.

Kuetemeyer, K., A. Lucas-Hahn, B. Petersen, H. Niemann, and A. Heisterkamp. 2011. Femtosecond laser-induced fusion of non-adherent cells and two-cell porcine embryos. *J Biomed Opt* **16**:088001.

Kunze, U. and the ISW TBE. 2011. Tick-borne encephalitis: new paradigms in a changing vaccination environment. *Wien Med Wochenschr* **161**:361-364.

Lamadé, W., F. Rieber, P. Köhler, C. Friedrich, M. Diederich, C. Ulmer, K.P. Thon, and J. Bernhardt. 2011. Snake Charmer NOTES - A two luminal flexible access for hybrid NOS operations. *Minim Invasive Ther Allied Technol* **20**:257-262.

Lamoureux, L., S.L. Simon, M. Plews, M. Stobart, M. Groschup, S. Czub, C. Graham, and J.D. Knox. 2011. Analysis of clusterin glycoforms in the urine of BSE-infected Fleckvieh-Simmental cows. *J Toxicol Environ Health A* **74**:138-145.

Lay, D.C., R.M. Fulton, P.Y. Hester, D.M. Karcher, J.B. Kjaer, J.A. Mench, B.A. Mullens, R.C. Newberry, C.J. Nicol, N.P. O'Sullivan, and R.E. Porter. 2011. Hen welfare in different housing systems. *Poultry Sci* **90**:278-294.

Lee, M.-H., P. Lalwani, M.J. Raftery, M. Matthaei, N. Lütteke, S. Kirsanovs, M. Binder, R.G. Ulrich, T. Giese, T. Wolff, D.H. Krüger, and G. Schönrich. 2011. RNA helicase retinoic acid-inducible gene I (RIG-I) as a sensor of Hantaan virus (HTNV) replication. *J Gen Virol* **92**:2191-2200.

Lehmbecker, A., W. Biesenbach, P. König, L. Schneider-Bühl, and P. Wohlsein. 2011. Multinoduläre pulmonale Fibrose bei einem Pferd in Schleswig-Holstein. *Tierärztl Praxis* **39**(G):237-240.

Leidel, F., M. Eiden, M. Geissen, H.A. Kretzschmar, A. Giese, T. Hirschberger, P. Tavan, H.M. Schätzl, and M.H. Groschup. 2011. Diphenyl-pyrazole derived compounds increase survival time of mice after prion infection. *Antimicrob Agents Chemother* **55**:4774-4781.

Leifer, I., S. Blome, M. Beer, and B. Hoffmann. 2011. Development of a highly sensitive real-time RT-PCR protocol for the detection of Classical swine fever virus independent of the 5' untranslated region. *J Virol Meth* **171**:314-317.

Leifer, I., D. Höper, S. Blome, M. Beer, and N. Ruggli. 2011. Clustering of classical swine fever virus isolates by codon pair bias. *BMC Res Notes* **4**:521.

Lembo, T., M. Attlan, H. Bourhy, S. Cleaveland, P. Costa, K. de Balogh, B. Dodet, A.R. Fooks, E. Hiby, F. Leanes, F.-X. Meslin, M.E. Miranda, T. Müller, L.H. Nel, C.E. Rupprecht, N. Tordo, A.

- Tumpey, A. Wandeler, and D.J. Briggs.** 2011. Renewed Global Partnership and Redesigned Roadmaps for Rabies Prevention and Control. *Vet Med Int* 2011:ID923149.
- Lentz, H.H.K., M. Kenschake, K. Teske, M. Kasper, B. Rother, R. Carmanns, B. Petersen, F.J. Conraths, and T. Selhorst.** 2010. Trade communities and their spatial patterns in the German pork production networks. *Prev Vet Med* **98**:176-181.
- Lenzko, H., U. Moog, K. Henning, R. Lederbach, R. Diller, C. Menge, K. Sachse, and L.D. Sprague.** 2011. High frequency of chlamydial co-infections in clinically healthy sheep flocks. *BMC Vet Res* **7**:29.
- Li, L.A., Y. Hu, Y.D. Ni, D. Xia, R. Grossmann, and R. Zhao.** 2011. Leptin stimulates hepatic activation of thyroid hormones and promotes early posthatch in the chicken. *Comp Biochem Physiol A* **160**:200-206.
- Li, L.A., Z.W. Wu, X.J. Yang, Y.D. Ni, N. Parvizi, and R.Q. Zhao.** 2011. Effect of glucocorticoids pretreatment on steroidogenic capacity of adrenocortical cells isolated from Meishan piglets. *In Vitro Cell Dev Biol Anim* **47**:425-430.
- Liu, H., Y. Wang, C. Wu, S. Schwarz, Z. Shen, B. Jeon, S. Ding, Q. Zhang, and J. Shen.** 2012. A novel phenicol exporter gene, *fexB*, found in enterococci of animal origin. *J Antimicrob Chemother* [Epub ahead of print; doi:10.1093/jac/dkr481].
- Locher, L.F., N. Meyer, E.-M. Weber, J. Rehage, U. Meyer, S. Dänicke, and K. Huber.** 2011. Hormone-sensitive lipase protein expression and extent of phosphorylation in subcutaneous and retroperitoneal adipose tissues in the periparturient dairy cow. *J Dairy Sci* **94**:4515-4523.
- Löhr, C.V., U. Polster, P. Kuhnert, A. Karger, F.R. Rurangirwa, and J.P. Teifke.** 2011. Mesenteric Lymphangitis and Sepsis Due to RTX Toxin-Producing *Actinobacillus* spp in 2 Foals With Hypothyroidism-Dysmaturity Syndrome. *Vet Pathol* [Epub ahead of print; doi:10.1177/0300985811402844]
- Ludwig, A., C. Vernesi, D. Lieckfeldt, E.Z. Lattenkamp, A. Wiethölter, and W. Lutz.** 2011. Origin and patterns of genetic diversity of German fallow deer as inferred from mitochondrial DNA. *Eur J Wildl Res* [Epub ahead of print; doi:10.1007/s10344-011-0571-5]
- Mänz, B., V. Götz, K. Wunderlich, J. Eisel, J. Kirchmair, J. Stech, O. Stech, G. Chase, R. Frank, and M. Schwemmler.** 2011. Disruption of the Viral Polymerase Complex Assembly as a Novel Approach to Attenuate Influenza A Virus. *J Biol Chem* **286**:8414-8424.
- Maksimov, P., S. Buschtöns, D.C. Herrmann, F.J. Conraths, K. Görlich, A.M. Tenter, J.P. Dubey, U. Nagel-Kohl, B. Thoms, L. Bötcher, M. Kühne, and G. Schares.** 2011. Serological survey and risk factors for *Toxoplasma gondii* in domestic ducks and geese in Lower Saxony, Germany. *Vet Parasitol* **182**:140-149.
- Marahrens, M., N. Kleinschmidt, A. Di Nardo, A. Velarde, C. Fuentes, A. Truar, J.L. Otero, E. Di Fede, and P. Dalla Villa.** 2011. Risk assessment in animal welfare - Especially referring to animal transport. *Prev Vet Med* **102**:157-163.
- Mayer-Scholl, A., A. Draeger, E. Luge, R. Ulrich, and K. Nöckler.** 2011. Comparison of Two PCR Systems for the Rapid Detection of *Leptospira* spp. from Kidney Tissue. *Curr Microbiol* **62**:1104-1106.
- Mazeike, E., A. Gedvilaite, and U. Blohm.** 2011. Induction of insert-specific immune response in mice by hamster polyomavirus VP1 derived virus-like particles carrying LCMV GP33 CTL epitope. *Virus Res* [Epub ahead of print; doi:10.1016/j.virusres.2011.08.003]
- McCutcheon, A., A. R. Alejo Blanco, E.F. Houston, C. de Wolf, B.C. Tan, A. Smith, M.H. Groschup, N. Hunter, V.S. Hornsey, I.R. MacGregor, C.V. Prowse, M. Turner, and J.C. Manson.** 2011. All Clinically-Relevant Blood Components Transmit Prion Disease following a Single Blood Transfusion: A Sheep Model of vCJD. *PLoS one* **6**:e23169.

- McElhinney, L.M., D.A. Marston, C.M. Freuling, W. Cragg, S. Stankov, D. Lalosević, V. Lalosević, T. Müller, and A.R. Fooks. 2011. Molecular diversity and evolutionary history of rabies virus strains circulating in the Balkans. *J Gen Virol* **92**:2171-2180.
- McGiven, J., A. Taylor, L. Duncombe, R. Sayers, D. Albert, M. Banai, J.M. Blasco, S. Elena, D. Fretin, B. Garin-Bastuji, F. Melzer, P.M. Muñoz, K. Nielsen, A. Nicola, M. Scacchia, M. Tittarelli, I. Travassos Dias, K. Walravens, and J. Stack. 2011. The first International Standard anti-*Brucella melitensis* Serum. *Rev Sci Tech Off Int Epiz* **30**:809.819.
- Meisel, S., S. Stöckel, M. Elschner, P. Rösch, and J. Popp. 2011. Assessment of two isolation techniques for bacteria in milk towards their compatibility with Raman spectroscopy. *Analyst* **136**:4997-5005.
- Mertens, M., S.S. Essbauer, A. Rang, J. Schröder, W.D. Splettstoesser, C. Kretzschmar, D.H. Krüger, M.H. Groschup, K. Mätz-Rensing, and R.G. Ulrich. 2011. Non-human primates in outdoor enclosures: Risk for infection with rodent-borne hantaviruses. *Vet Microbiol* **147**:420-425.
- Mertens, M., J. Hofmann, R. Petraityte-Burneikiene, M. Ziller, K. Sasnauskas, R. Friedrich, O. Niederstrasser, D.H. Krüger, M.H. Groschup, E. Petri, S. Werdermann, and R.G. Ulrich. 2011. Seroprevalence study in forestry workers of a non-endemic region in eastern Germany reveals infections by Tula and Dobrava-Belgrade hantaviruses. *Med Microbiol Immunol* **200**:263-268.
- Mertens, M., E. Kindler, P. Emmerich, J. Esser, C. Wagner-Wiening, R. Wölfel, R. Petraityte-Burneikiene, J. Schmidt-Chanasit, A. Zvirbliene, M.H. Groschup, G. Dobler, M. Pfeffer, G. Heckel, R.G. Ulrich, and S.S. Essbauer. 2011. Phylogenetic analysis of *Puumala virus* subtype Bavaria, characterization and diagnostic use of its recombinant nucleocapsid protein. *Virus Genes* **43**:177-191.
- Methner, U., P.A. Barrow, A. Berndt, and I. Rychlik. 2011. *Salmonella* Enteritidis with double deletion in *phoPflIC* - A potential live *Salmonella* vaccine candidate with novel characteristics for use in chickens. *Vaccine* **29**:3248-3253.
- Methner, U., A. Haase, A. Berndt, G. Martin, B. Nagy, and P.A. Barrow. 2011. Exploitation of Intestinal Colonization-Inhibition Between *Salmonella* Organisms for Live Vaccines in Poultry - Potential and Limitations. *Zoonoses Publ Health* **58**:540-548.
- Methner, U., N. Rammler, K. Fehlhaber, and U. Rösler. 2011. *Salmonella* status of pigs at slaughter - Bacteriological and serological analysis. *Int J Food Microbiol* **151**:15-20.
- Meyer, K., S.M. Bergmann, M. van der Marel, and D. Steinhagen. 2011. Detection of Koi herpesvirus: impact of extraction method, primer set and DNA polymerase on the sensitivity of polymerase chain reaction examinations. *Aquacult Res* [Epub ahead of print; doi:10.1111/j.1365-2109.2011.02897.x]
- Michael, G.B., K. Kadlec, M.T. Sweeney, E. Brzuszkiewicz, H. Liesegang, R. Daniel, R.W. Murray, J.L. Watts, and S. Schwarz. 2011. ICE*Pmu1*, an integrative conjugative element (ICE) of *Pasteurella multocida*: analysis of the regions that comprise 12 antimicrobial resistance genes. *J Antimicrob Chemother* [Epub ahead of print; doi:10.1093/jac/dkr406]
- Michael, G.B., K. Kadlec, M.T. Sweeney, E. Brzuszkiewicz, H. Liesegang, R. Daniel, R.W. Murray, J.L. Watts, and S. Schwarz. 2011. ICE*Pmu1*, an integrative conjugative element (ICE) of *Pasteurella multocida*: structure and transfer. *J Antimicrob Chemother* [Epub ahead of print; doi:10.1093/jac/dkr411]
- Mietze, A., D. Morick, H. Köhler, S. Harrus, C. Dehio, I. Nolte, and R. Goethe. 2011. Combined MLST and AFLP typing of *Bartonella henselae* isolated from cats reveals new sequence types and suggests clonal evolution. *Vet Microbiol* **148**:238-245.
- Mikschofsky, H., A. Hartmann, P. Janczyk, G.M. Keil, P. König, H. Schirrmeier, M. Hammer, H. Junghans, K. Schmidt, J. Schmidtke, W.B. Souffrant, M. Schwerin, and I. Broer. 2011. Expression of the Viral Antigen VP60 in Transgenic Potatoes and Its Effect on the Nutritional Composition of Tubers. *Food Nutr Sci* **2**:74-86.

- Mikschofsky, H., H. Schirrmeier, A. Katzel, B. Lehmann, and I. Broer. 2011. Expression of truncated CTB::VP60 in tobacco exhibited no immunogenicity in rabbits. *Plant Sci* **180**:246-250.
- Mitterer-Istyagin, H., M. Ludewig, T. Bartels, M.-E. Krautwald-Junghanns, R. Ellerich, E. Schuster, J. Berk, S. Petermann, and K. Fehlhaber. 2011. Examinations on the prevalence of footpad lesions and breast skin lesions in B.U.T. Big 6 fattening turkeys in Germany. Part II: Prevalence of breast skin lesions (breast buttons and breast blisters). *Poultry Sci* **90**:775-780.
- Monecke, S., G. Coombs, A.C. Shore, D.C. Coleman, P. Akpaka, M. Borg, H. Chow, M. Ip, L. Jatzwauk, D. Jonas, K. Kadlec, A. Kearns, F. Laurent, F.G. O'Brien, J. Pearson, A. Ruppelt, S. Schwarz, E. Scicluna, P. Slickers, H.-L. Tan, S. Weber, and R. Ehricht. 2011. A Field Guide to Pandemic, Epidemic and Sporadic Clones of Methicillin-Resistant *Staphylococcus aureus*. *PLoS one* **6**(4):e17936.
- Moré, G., P. Maksimov, L. Pardini, D.C. Herrmann, D. Bacigalupe, A. Maksimov, W. Basso, F.J. Conraths, G. Schares, and M.C. Venturini. 2011. *Toxoplasma gondii* infection in sentinel and free-range chickens from Argentina. *Vet Parasitol* [Epub ahead of print; doi:10.1016/j.vetpar.2011.09.012]
- Moser, I., E. Schettler, H. Hotzel, S. Herzog, and K. Frölich. 2011. Mycobacterial Infections in Free-living Cervids in Germany (2002-2006). *J Wildl Dis* **47**:999-1004.
- Mtileni, B.J., F.C. Muchadeyi, A. Maiwashe, M. Chimonyo, E. Groeneveld, S. Weigend, and K. Dzama. 2011. Diversity and origin of South African chickens. *Poultry Sci* **90**:2189-2194.
- Mtileni, B.J., F.C. Muchadeyi, A. Maiwashe, E. Groeneveld, L.F. Groeneveld, K. Dzama, and S. Weigend. 2011. Genetic diversity and conservation of South African indigenous chicken populations. *J Anim Breed Genet* **128**:209-218.
- Mühdorfer, K., S. Schwarz, J. Fickel, G. Wibbelt, and S. Speck. 2011. Genetic diversity of *Pasteurella* species isolated from European vespertilionid bats. *Vet Microbiol* **149**:163-171.
- Mühdorfer, K., S. Speck, A. Kurth, R. Lesnik, C. Freuling, T. Müller, S. Kramer-Schadt, and G. Wibbelt. 2011. Diseases and Causes of Death in European Bats: Dynamics in Disease Susceptibility and Infection Rates. *PLoS one* **6**:e29773.
- Müller, B., L.-M. de Klerk-Lorist, M.M. Henton, E. Lane, S. Parsons, N.C. Gey van Pittius, A. Kotze, P.D. van Helden, and M. Tanner. 2011. Mixed infections of *Corynebacterium pseudotuberculosis* and non-tuberculous mycobacteria in South African antelopes presenting with tuberculosis-like lesions. *Vet Microbiol* **147**:340-345.
- Müller, T., E.C. Hahn, F. Tottewitz, M. Kramer, B.G. Klupp, T.C. Mettenleiter, and C. Freuling. 2011. Pseudorabies virus in wild swine: a global perspective. *Arch Virol* **156**:1691-1705.
- Müller, W., C. Böhlend, and U. Methner. 2011. Detection and genotypic differentiation of *Campylobacter jejuni* and *Campylobacter coli* strains from laying hens by multiplex PCR and fla-typing. *Res Vet Sci* **91**:e48-e52.
- Muhammad, S., E. Haasbach, M. Kotchourko, A. Strigli, A. Krenz, D.A. Ridder, A.B. Vogel, H.H. Marti, Y. Al-Abed, O. Planz, and M. Schwaninger. 2011. Influenza Virus Infection Aggravates Stroke Outcome. *Stroke* **42**:783-791.
- Mulatti, P., T. Müller, L. Bonfanti, and S. Marangon. 2011. Emergency oral rabies vaccination of foxes in Italy in 2009-2010: identification of residual rabies foci at higher altitudes in the Alps. *Epidemiol Infect* [Epub ahead of print; doi:10.1017/S0950268811001282]
- Nasir, A., S.R. Lanyon, G. Schares, M.L. Anderson, and M.P. Reichel. 2011. Sero-prevalence of *Neospora caninum* and *Besnoitia besnoiti* in South Australian beef and dairy cattle. *Vet Parasitol* [Epub ahead of print; doi:10.1016/j.vetpar.2011.11.032]
- Negatsch, A., T.C. Mettenleiter, and W. Fuchs. 2011. Herpes simplex virus type 1 strain KOS carries a defective US9 and a mutated US8A gene. *J Gen Virol* **92**:167-172.

- Niemann, H., B. Kuhla, and G. Flachowsky. 2011. The perspectives for feed efficient animal production. *J Anim Sci* **89**:4344-4363.
- Nienhoff, U., K. Kadlec, I.F. Chaberny, J. Verspohl, G.-F. Gerlach, S. Schwarz, L. Kreienbrock, I. Nolte, and D. Simon. 2011. Methicillin-resistant *Staphylococcus pseudintermedius* among cats admitted to a veterinary teaching hospital. *Vet Microbiol* **153**:414-416.
- Nienhoff, U., K. Kadlec, I.F. Chaberny, J. Verspohl, G.-F. Gerlach, L. Kreienbrock, S. Schwarz, D. Simon, and I. Nolte. Methicillin-resistant *Staphylococcus pseudintermedius* among dogs admitted to a small animal hospital. *Vet Microbiol* **150**:191-197.
- Nizamani, Z.A., G.M. Keil, E. Albina, C. Holz, C. Minet, O. Kwiatek, G. Libeau, and R. Servan de Almeida. 2011. Potential of adenovirus and baculovirus vectors for the delivery of shRNA against morbilliviruses. *Antiviral Res* **90**:98-101.
- Nok, A.J., I.M. Onyenakasa, M.H. Inuwa, and N.M. Useh. 2011. Sialic acid complement of indigenous Nigerian lizards and frogs. *Comp Clin Pathol* [Epub ahead of print; doi:10.1007/s00580-011-1285-5]
- Nowak-Imialek, M., W. Kues, J.W. Carnwath, and H. Niemann. 2011. Pluripotent Stem Cells and Reprogrammed Cells in Farm Animals. *Microscop Microanal* **17**:474-497.
- Nowak-Imialek, M., W.A. Kues, B. Petersen, A. Lucas-Hahn, D. Herrmann, S. Haridoss, M. Oropeza, E. Lemme, H.R. Schöler, J.W. Carnwath, and H. Niemann. 2011. Oct4-Enhanced Green Fluorescent Protein Transgenic Pigs: A New Large Animal Model for Reprogramming Studies. *Stem Cells Dev* **20**:1563-1575.
- Nunziante, M., K. Ackermann, K. Dietrich, H. Wolf, L. Gädtke, S. Gilch, I. Vorberg, M. Groschup, and H.M. Schätzl. 2011. Proteasomal Dysfunction and ER Stress Enhance Trafficking of Prion Protein Aggregates through the Secretory Pathway and Increase Accumulation of PrP^{Sc}. *J Biol Chem* **39**:33942-33953.
- Ohlemeyer, S., R. Holopainen, H. Tapiovaara, S.M. Bergmann, and H. Schütze. 2011. Major capsid protein gene sequence analysis of the Santee-Cooper ranaviruses DFG, GV6, and LMBV. *Dis Aquat Org* **96**:195-207.
- Østrup, O., F. Strejcek, I. Petrovicova, A. Lucas-Hahn, M. Morovic, E. Lemme, B. Petersen, N. Laurincikova, H. Niemann, J. Laurincik, and P. Hyttel. 2011. Role of Ooplasm in Nuclear and Nucleolar Remodeling of Intergeneric Somatic Cell Nuclear Transfer Embryos during the First Cell Cycle. *Cell Reprogramm* **13**:145-155.
- Otto, P.H., M.U. Ahmed, H. Hotzel, P. Machnowska, J. Reetz, B. Roth, E. Trojnar, and R. Johne. 2011. Detection of avian rotaviruses of groups A, D, F and G in diseased chickens and turkeys from Europe and Bangladesh. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.10.001]
- Otto, P.H., I.N. Clarke, P.R. Lambden, O. Salim, J. Reetz, and E.M. Liebler-Tenorio. 2011. Infection of calves with bovine norovirus GIII.1 strain Jena virus: an experimental model to study the pathogenesis of NOROVIRUS infection. *J Virol* **85**:12013-12021.
- Pannwitz, G., C. Freuling, N. Denzin, U. Schaarschmidt, H. Nieper, A. Hlinak, S. Burkhardt, M. Klopries, J. Dedek, L. Hoffmann, M. Kramer, T. Selhorst, F.J. Conraths, T. Mettenleiter, and T. Müller. 2011. A long-term serological survey on Aujeszky's disease virus infections in wild boar in East Germany. *Epidemiol Infect* [Epub ahead of print; doi:10.1017/S0950268811000033].
- Pappritz, J., P. Lebzien, U. Meyer, G. Jahreis, R. Kramer, G. Flachowsky, and S. Dänicke. 2011. Duodenal availability of conjugated linoleic acids after supplementation to dairy cow diets. *Eur J Lipid Sci Technol* **113**:1443-1455.
- Pappritz, J., U. Meyer, R. Kramer, E.-M. Weber, G. Jahreis, J. Rehage, G. Flachowsky, and S. Dänicke. 2011. Effects of long-term supplementation of dairy cow diets with rumen-protected

conjugated linoleic acids (CLA) on performance, metabolic parameters and fatty acid profile in milk fat. *Arch Anim Nutr* **65**:89-107.

Pelz, H.-J., S. Rost, E. Müller, A. Esther, R.G. Ulrich, and C.R. Müller. 2011. Distribution and frequency of VKORC1 sequence variants conferring resistance to anticoagulants in *Mus musculus*. *Pest Manag Sci Epub ahead of print*; doi:10.1002/ps.2254]

Penski, N., S. Haertle, D. Rubbenstroth, C. Krohmann, N. Ruggli, B. Schusser, M. Pfann, A. Reuter, S. Gohrbandt, J. Hundt, J. Veits, A. Breithaupt, G. Kochs, J. Stech, A. Summerfield, T. Vahlenkamp, B. Kaspers, and P. Staeheli. 2011. Highly Pathogenic Avian Influenza Viruses Do Not Inhibit Interferon Synthesis in Infected Chickens but Can Override the Interferon-Induced Antiviral State. *J Virol* **85**:7730-7741.

Petersen, B., W. Ramackers, A. Lucas-Hahn, E. Lemme, P. Hassel, A.-L. Queißer, D. Herrmann, B. Barg-Kues, J.W. Carnwath, J. Klose, A. Tiede, L. Friedrich, W. Baars, R. Schwinzer, M. Winkler, and H. Niemann. 2011. Transgenic expression of human heme oxygenase-1 in pigs confers resistance against xenograft rejection during ex vivo perfusion of porcine kidneys. *Xenotransplantation* **18**:355-368.

Petersen, S., A. Barchanski, U. Taylor, S. Klein, D. Rath, and S. Barcikowski. 2011. Penetratin-Conjugated Gold Nanoparticles - Design of Cell-Penetrating Nanomarkers by Femtosecond Laser Ablation. *J Phys Chem C* **115**:5152-5159.

Petkov, S.G., H. Marks, T. Klein, R.S. Garcia, Y. Gao, H. Stunnenberg, and P. Hyttel. 2011. In vitro culture and characterization of putative porcine embryonic germ cells derived from domestic breeds and Yucatan mini pig embryos at Days 20-24 of gestation. *Stem Cell Res* **6**:226-237.

Petsch, B., A. Müller-Schiffmann, A. Lehle, E. Zirdum, I. Prikulis, F. Kuhn, A.J. Raeber, J.W. Ironside, C. Korth, and L. Stitz. 2011. Biological effects and use of PrP^{Sc}- and PrP-specific antibodies generated by immunizing with purified full length native mouse prions. *J Virol* **85**:4538-4546.

Pickel, T., B. Scholz, and L. Schrader. 2011. Roosting behaviour in laying hens on perches of different temperatures: Trade-offs between thermoregulation, energy budget, vigilance and resting. *Appl Anim Behav Sci* **134**:164-169.

Pickel, T., L. Schrader, and B. Scholz. 2011. Pressure load on keel bone and foot pads in perching laying hens in relation to perch design. *Poultry Sci* **90**:715-724.

Pieper, J., U. Methner, and A. Berndt. 2011. Characterization of Avian $\gamma\delta$ T-Cell Subsets after *Salmonella enterica* Serovar Typhimurium Infection of Chicks. *Infect Immun* **79**:822-829.

Postel, A., T. Letzel, F. Müller, P. Pourquier, M. Dauber, C. Grund, M. Beer, and T.C. Harder. 2011. In vivo biotinylated recombinant influenza A virus hemagglutinin for use in subtype-specific serodiagnostic assays. *Anal Biochem* **411**:22-31.

Postel, A., M. Ziller, M. Rudolf, T. Letzel, R. Ehrlich, P. Pourquier, M. Dauber, C. Grund, M. Beer, and T.C. Harder. 2011. Broad spectrum reactivity versus subtype specificity - Trade-offs in serodiagnosis of influenza A virus infections by competitive ELISA. *J Virol Meth* **173**:49-59.

Probst, C., J. Gethmann, D. Höreth-Böntgen, K. Cussler, and F.J. Conraths. 2011. Lack of evidence for claims of farmers in south-eastern Germany regarding adverse reactions ascribed to BTV-8 vaccines. *Berl Münch Tierärztl Wschr* **124**:282-287.

Probst, C., C. Freuling, I. Moser, L. Geue, H. Köhler, F.J. Conraths, H. Hotzel, E.M. Liebler-Tenorio, and M. Kramer. 2011. Bovine tuberculosis: making a case for effective surveillance. *Epidemiol Infect* **139**:105-112.

Probst, C., S. Speck, and H. Hofer. 2011. Serosurvey of zoo ungulates in central Europe. *Int Zoo Yb* **45**:1-15.

- Psarrakos, P., E. Papadogeorgakis, K. Sachse, and E. Vretou.** 2011. *Chlamydia trachomatis ompA* genotypes in male patients with urethritis in Greece - Conservation of the serovar distribution and evidence for mixed infections with *Chlamydothila abortus*. *Mol Cell Probes* **25**:168-173.
- Purkhart, R., H. Köhler, E. Liebler-Tenorio, M. Meyer, G. Becher, A. Kikowatz, and P. Reinhold.** Chronic intestinal Mycobacteria infection: discrimination via VOC analysis in exhaled breath and headspace of feces using differential ion mobility spectrometry. *J Breath Res* **5**(2):027103.
- Ragaller, V., P. Lebzien, W. Bigalke, K.H. Südekum, L. Hüther, and G. Flachowsky.** 2011. Effects of a pantothenic acid supplementation to different rations on ruminal fermentation, nutrient flow at the duodenum, and on blood and milk variables of dairy cows. *J Anim Physiol Anim Nutr* **95**:730-743.
- Ragaller, V., P. Lebzien, K.-H. Südekum, L. Hüther, and G. Flachowsky.** 2011. Pantothenic acid in ruminant nutrition: a review. *J Anim Physiol Anim Nutr* **95**:6-16.
- Ramp, K., M. Skiba, A. Karger, T.C. Mettenleiter, and A. Römer-Oberdörfer.** 2011. Influence of insertion site of the avian influenza virus haemagglutinin (HA) gene within the Newcastle disease virus genome on HA expression. *J Gen Virol* **92**:355-360.
- Ramp, K., E. Topfstedt, R. Wäckerlin, D. Höper, M. Ziller, T.C. Mettenleiter, C. Grund, and A. Römer-Oberdörfer.** 2011. Pathogenicity and immunogenicity of different recombinant Newcastle disease virus Clone 30 variants after *in ovo* vaccination. *Avian Dis* [Epub ahead of print]
- Ramp, K., J. Veits, D. Deckers, M. Rudolf, C. Grund, T.C. Mettenleiter, and A. Römer-Oberdörfer.** 2011. Coexpression of Avian Influenza Virus H5 and N1 by Recombinant Newcastle Disease Virus and the Impact on Immune Response in Chickens. *Avian Dis* **55**:413-421.
- Rasmussen, S.B., K.A. Horan, C.K. Holm, A.J. Stranks, T.C. Mettenleiter, A.K. Simon, S.B. Jensen, F.J. Rixon, B. He, and S.R. Paludan.** 2011. Activation of autophagy by α -herpesviruses in myeloid cells is mediated by cytoplasmic viral DNA through a mechanism dependent on stimulator of IFN genes. *J Immunol* **187**:5268-5276.
- Rebl, A., J.M. Köbis, U. Fischer, F. Takizawa, M. Verleih, K. Wimmers, and T. Goldammer.** 2011. MARCH5 gene is duplicated in rainbow trout, but only fish-specific gene copy is up-regulated after VHSV infection. *Fish Shellfish Immunol* **31**:1041-1050.
- Rebl, A., M. Verleih, T. Korytář, C. Kühn, K. Wimmers, B. Köllner, and T. Goldammer.** 2011. Identification of differentially expressed protective genes in liver of two rainbow trout strains. *Vet Immunol Immunopathol* [Epub ahead of print; doi:10.1016/j.vetimm.2011.11.023]
- Reeve, R., S. Cox, E. Smitsaart, C. Perez Beascochea, B. Haas, E. Maradei, D.T. Haydon, and P. Barnett.** 2011. Reducing animal experimentation in foot-and-mouth disease vaccine potency tests. *Vaccine* **29**:5467-5473.
- Reinhold, P., E. Liebler-Tenorio, S. Sattler, and K. Sachse.** 2011. Recurrence of *Chlamydia suis* infection in pigs after short-term antimicrobial treatment. *Vet J* **187**:405-407.
- Reinhold, P., K. Sachse, and B. Kaltenboeck.** 2011. *Chlamydiaceae* in cattle: Commensals, trigger organisms, or pathogens? *Vet J* **189**:257-267.
- Reinmann, K., N. Müller, P. Kuhnert, C.M. Campero, D. Leitsch, M. Hess, K. Henning, M. Fort, J. Müller, B. Gottstein, and C.F. Frey.** 2011. *Tritrichomonas foetus* isolates from cats and cattle show minor genetic differences in unrelated loci ITS-2 and EF-1 α . *Vet Parasitol* [Epub ahead of print; doi:10.1016/j.vetpar.2011.09.032]
- Remling, N., S. Hachenberg, U. Meyer, M. Höltershinken, G. Flachowsky, and S. Dänicke.** 2011. Influence of various amounts of fumaric acid on performance and parameters of the acid-base balance of growing bulls fed with grass or maize silage. *Arch Anim Nutr* **65**:386-401.

- Renner, L., A. Schwabe, S. Döll, M. Höltershinken, and S. Dänicke. 2011. Effect of rare earth elements on beef cattle growth performance, blood clinical chemical parameters and mitogen stimulated proliferation of bovine peripheral blood mononuclear cells in vitro and in vivo. *Toxicol Lett* **201**:277-284.
- Richter, M., I. Reimann, A. Wegelt, P.D. Kirkland, and M. Beer. 2011. Complementation studies with the novel „Bungowannah“ virus provide new insights in the compatibility of pestivirus proteins. *Virology* **418**:113-122.
- Richter, P., C. Umbreit, M. Franz, A. Berndt, S. Grimm, A. Uecker, F.D. Böhmer, H. Kosmehl, and A. Berndt. 2011. EGF/TGF β co-stimulation of oral squamous cell carcinoma cells causes an epithelial-mesenchymal transition cell phenotype expressing laminin 332. *J Oral Pathol Med* **40**:46-54.
- Rieder, M., K. Brzózka, C.K. Pfaller, J.H. Cox, L. Stitz, and K.-K. Conzelmann. 2011. Genetic Dissection of Interferon-Antagonistic Functions of Rabies Virus Phosphoprotein: Inhibition of Interferon Regulatory Factor 3 Activation Is Important for Pathogenicity. *J Virol* **85**:842-852.
- Riehm, J.M., L. Rahalison, H.C. Scholz, B. Thoma, M. Pfeffer, L.M. Razanakoto, S. Al Dahouk, H. Neubauer, and H. Tomaso. 2011. Detection of *Yersinia pestis* using real-time PCR in patients with suspected bubonic plague. *Mol Cell Probes* **25**:8-12.
- Riehm, J.M., D. Tserenborov, D. Kiefer, I.W. Stuermer, H. Tomaso, L. Zöller, D. Otgonbaatar, and H.C. Scholz. 2011. *Yersinia pestis* in Small Rodents, Mongolia. *Emerg Infect Dis* **17**:1320-1322.
- Roedig, J.V., E. Rapp, D. Höper, Y. Genzel, and U. Reichl. 2011. Impact of Host Cell Line Adaptation on Quasispecies Composition and Glycosylation of Influenza A Virus Hemagglutinin. *PLoS one* **6**:e27989.
- Roesler, U., I. Szabo, C. Matthies, K. Albrecht, M. Leffler, K. Scherer, K. Nöckler, J. Lehmann, U. Methner, A. Hensel, and U. Truyen. 2011. Comparing validation of four ELISA-systems for detection of *Salmonella* Derby- and *Salmonella* Infantis-infected pigs. *Berl Münch Tierärztl Wschr* **124**:265-271.
- Röttger, A.S., I. Halle, H. Wagner, G. Breves, and G. Flachowsky. 2011. The effect of various iodine supplementations and iodine concentrations in different tissues of broilers. *Br Poultry Sci* **52**:115-123.
- Rohde, J., H. Schirrmeyer, H. Granzow, and H.-J. Rziha. 2011. A new recombinant Orf virus (ORFV, Parapoxvirus) protects rabbits against lethal infection with rabbit hemorrhagic disease virus (RHDV). *Vaccine* **29**:9256-9264.
- Rohweder, D., H. Valenta, S. Sondermann, M. Schollenberger, W. Drochner, G. Pahlow, S. Döll, and S. Dänicke. 2011. Effect of different storage conditions on the mycotoxin contamination of *Fusarium culmorum*-infected and non-infected wheat straw. *Mycotox Res* **27**:145-153.
- Rose, M.K. and N. Parvizi. 2011. Up-regulation of lymphocytic growth hormone secretion during the luteal phase of cycle and early pregnancy. *Regul Pept* **167**:1-4.
- Rossi, S., C. Toigo, J. Hars, F. Pol, J.-L. Hamann, K. Depner, and M.-F. Le Potier. 2011. New Insights on the Management of Wildlife Diseases Using Multi-State Recapture Models: The Case of Classical Swine Fever in Wild Boar. *PLoS one* **6**:e24257.
- Roth, S.J., D. Höper, M. Beer, S. Feineis, B.K. Tischer, and N. Osterrieder. 2011. Recovery of infectious virus from full-length cowpox virus (CPXV) DNA cloned as a bacterial artificial chromosome (BAC). *Vet Res* **42**:3.
- Rubbenstroth, D., H. Hotzel, J. Knobloch, L. Teske, S. Rautenschlein, and M. Ryll. 2011. Isolation and characterization of atypical *Riemerella columbina* strains from pigeons and their differentiation from *Riemerella anatipestifer*. *Vet Microbiol* **147**:103-112.
- Ruddat, I., S. Schwarz, E. Tietze, D. Ziehm, and L. Kreienbrock. 2011. A quantitative approach to analyse linkages between antimicrobial resistance properties in *Salmonella* Typhimurium isolates. *Epidemiol Infect* [Epub ahead of print; doi:10.1017/S0950268811000264]

- Ruettger, A., J. Feige, P. Slickers, E. Schubert, S.A. Morré, Y. Pannekoek, B. Herrmann, H.J.C. de Vries, R. Ehrlich, and K. Sachse. 2011. Genotyping of *Chlamydia trachomatis* strains from culture and clinical samples using an *ompA*-based DNA microarray assay. *Mol Cell Probes* **25**:19-27.
- Runge, M., M. von Keyserlingk, S. Braune, U. Voigt, A. Grauer, K. Pohlmeier, M. Wedekind, W.D. Splettstoesser, E. Seibold, P. Otto, and W. Müller. 2011. Prevalence of *Francisella tularensis* in brown hare (*Lepus europaeus*) populations in Lower Saxony, Germany. *Eur J Wildl Res* **57**:1085-1089.
- Sacchini, F., J. Naessens, E. Awino, M. Heller, A. Hlinak, W. Haider, A. Sterner-Kock, and J. Jores. 2011. A minor role of CD4⁺ T lymphocytes in the control of a primary infection of cattle with *Mycoplasma mycoides* subsp. *mycoides*. *BMC Vet Res* **42**:77.
- Said, A., A. Damiani, G. Ma, D. Kalthoff, M. Beer, and N. Osterrieder. 2011. An equine herpesvirus 1 (EHV-1) vectored H1 vaccine protects against challenge with swine-origin influenza virus H1N1. *Vet Microbiol* **154**:113-123.
- Sait, M., E.M. Clark, N. Wheelhouse, L. Spalding, M. Livingstone, K. Sachse, B.K. Markey, S. Magnino, V.I. Siarkou, E. Vretou, M.R. Caro, R. Yaga, F.A. Lainson, D.G.E. Smith, F. Wright, and D. Longbottom. 2011. Genetic variability of *Chlamydophila abortus* strains assessed by PCR-RFLP analysis of polymorphic membrane protein-encoding genes. *Vet Microbiol* **151**:284-290.
- Sajti, C., A. Barchanski, P. Wagener, S. Klein, and S. Barcikowski. 2011. Delay Time and Concentration Effects During Bioconjugation of Nanosecond Laser-Generated Nanoparticles in Liquid Flow. *J Phys Chem C* **115**:5094-5101.
- Salles, M.W.S., S.F.E. Scholes, M. Dauber, G. Strebellow, C. Wojnarowicz, L. Hassard, A.C. Acton, and T.K. Bollinger. 2011. Porcine teschovirus polioencephalomyelitis in western Canada. *J Vet Diagn Invest* **23**:367-373.
- Schäfer, M.O., W. Ritter, J.S. Pettis, and P. Neumann. Concurrent Parasitism Alters Thermoregulation in Honey Bee (Hymenoptera: Apidae) Winter Clusters. *Ann Entomol Soc Am* **104**:476-482.
- Schares, G., W. Basso, M. Majzoub, A. Rostaher, J.C. Scharr, M.C. Langenmayer, J. Selmair, J.P. Dubey, H.C. Cortes, F.J. Conraths, T. Haupt, M. Pürro, A. Raeber, P. Buholzer, and N.S. Gollnick. 2011. Evaluation of a commercial ELISA for the specific detection of antibodies against *Besnoitia besnoiti*. *Vet Parasitol* **175**:52-59.
- Schares, G., A. Maksimov, W. Basso, G. Moré, J.P. Dubey, B. Rosenthal, M. Majzoub, A. Rostaher, J. Selmair, M.C. Langenmayer, J.C. Scharr, F.J. Conraths, and N.S. Gollnick. 2011. Quantitative real time polymerase chain reaction assays for the sensitive detection of *Besnoitia besnoiti* infection in cattle. *Vet Parasitol* **178**:208-216.
- Schink, A.-K., K. Kadlec, and S. Schwarz. 2011. Analysis of blaCTX-M-carrying plasmids from Escherichia coli isolates collected in the BfT-GermVet study. *Appl Environ Microbiol* **77**:7142-7146.
- Schlegel, M., H. Sheikh Ali, N. Stieger, M.H. Groschup, R. Wolf, and R.G. Ulrich. 2011. Molecular Identification of Small Mammal Species Using Novel *Cytochrome b* Gene-Derived Degenerated Primers. *Biochem Genet* [Epub ahead of print; doi:10.1007/s10528-011-9487-8]
- Schmoock, G., R. Ehrlich, F. Melzer, M. Elschner, H. Tomaso, H. Neubauer, and S. Al Dahouk. 2011. Development of a diagnostic multiplex polymerase chain reaction microarray assay to detect and differentiate *Brucella* spp. *Diagn Microbiol Infect Dis* **71**:341-353.
- Schnee, C., M. Heller, J. Jores, H. Tomaso, and H. Neubauer. 2011. Assessment of a novel multiplex real-time PCR assay for the detection of the CBPP agent *Mycoplasma mycoides* subsp. *mycoides* SC through experimental infection in cattle. *BMC Vet Res* **7**:47.
- Schöfl, G., A. Voigt, K. Litsche, K. Sachse, and H.P. Saluz. 2011. Complete Genome Sequences of Four Mammalian Isolates of *Chlamydophila psittaci*. *J Bacteriol* **193**:4258.

- Scholz, B., J.B. Kjaer, S. Urselmans, and L. Schrader. 2011. Litter lipid content affects dustbathing behavior in laying hens. *Poultry Sci* **90**:2433-2439.
- Schröer, D., J. Veits, G. Keil, A. Römer-Oberdörfer, S. Weber, and T.C. Mettenleiter. 2011. Efficacy of Newcastle Disease Virus Recombinant Expressing Avian Influenza Virus H6 Hemagglutinin Against Newcastle Disease and Low Pathogenic Avian Influenza in Chickens and Turkeys. *Avian Dis* **55**:201-211.
- Schubert, E., K. Sachse, J. Jores, and M. Heller. 2011. Serological testing of cattle experimentally infected with *Mycoplasma mycoides* subsp. *mycoides* Small Colony using four different tests reveals a variety of seroconversion patterns. *BMC Vet Res* **7**:72.
- Schulz, C., M. Eschbaumer, M. Rudolf, P. König, M. Keller, C. Bauer, M. Gauly, C.G. Grevelding, M. Beer, and B. Hoffmann. 2011. Experimental infection of South American camelids with bluetongue virus serotype 8. *Vet Microbiol* [Epub ahead of print; doi:10.1016/j.vetmic.2011.07.025]
- Schusser, B., A. Reuter, A. von der Malsburg, N. Penski, S. Weigend, B. Kaspers, P. Staeheli, and S. Haertle. 2011. Mx is dispensable for interferon-mediated resistance of chicken cells against influenza A virus. *J Virol* **85**:8307-8315.
- Schuster, F., B.G. Klupp, H. Granzow, and T.C. Mettenleiter. 2011. Structural determinants for nuclear envelope localization and function of Pseudorabies Virus pUL34. *J Virol* [Epub ahead of print; doi:10.1128/JVI.05484-11]
- Schwabe, A., U. Meyer, G. Flachowsky, and S. Dänicke. 2011. Effect of graded levels of rare earth elements in diets of fattening bulls on growing and slaughtering performance, and on nutrient digestibility of wethers. *Arch Anim Nutr* **65**:55-73.
- Schwabe, A., U. Meyer, M. Grün, K.D. Voigt, G. Flachowsky, and S. Dänicke. 2011. Effect of rare earth elements (REE) supplementation to diets on the carry-over into different organs and tissues of fattening bulls. *Livestock Sci* [Epub ahead of print; doi:10.1016/j.livsci.2011.08.010]
- Schwarz, S., A.T. Feßler, T. Hauschild, and C. Kehrenberg. 2011. Plasmid-mediated resistance to protein biosynthesis inhibitors in staphylococci. *Ann NY Acad Sci* **1241**:82-103.
- Schwarz, S., A. Sutor, C. Staubach, R. Mattis, K. Tackmann, and F.J. Conraths. 2011. Estimated prevalence of *Echinococcus multilocularis* in raccoon dogs *Nyctereutes procyonoides* in northern Brandenburg. *Curr Zool* **57**:655-661.
- Seliger, C., B. Schaerer, M. Kohn, H. Pendl, S. Weigend, B. Kaspers, and S. Härtle. 2011. A rapid high-precision flow cytometry based technique for total white blood cell counting in chickens. *Vet Immunol Immunopathol* [Epub ahead of print; doi:10.1016/j.vetimm.2011.10.010]
- Sipo, I., M. Knauf, H. Fechner, W. Poller, O. Planz, R. Kurth, and S. Norley. 2011. Vaccine protection against lethal homologous and heterologous challenge using recombinant AAV vectors expressing codon-optimized genes from pandemic swine origin influenza virus (SOIV). *Vaccine* **29**:1690-1699.
- Sironi, L., J.L. Williams, A. Stella, G. Minozzi, A. Moreno, P. Ramelli, J. Han, S. Weigend, J. Wan, G. Lombardi, P. Cordioli, and P. Mariani. 2011. Genomic study of the response of chicken to highly pathogenic avian influenza virus. *BMC Proc* **5**:25; <http://www.biomedcentral.com/1753-6561/5/S4/S25>.
- Sirotkin, A.V., A.V. Makarevich, and R. Grosmann. 2010. Protein Kinases and Ovarian Functions. *J Cell Physiol* **226**:37-45.
- von Soosten, D., U. Meyer, E.M. Weber, J. Rehage, G. Flachowsky, and S. Dänicke. 2011. Effect of trans-10, cis-12 conjugated linoleic acid on performance, adipose depot weights, and liver weight in early-lactation dairy cows. *J Dairy Sci* **94**:2859-2870.
- Spolders, M., M. Höltershinken, J. Rehage, and G. Flachowsky. 2011. Spurenelementversorgung von Rindern im Spannungsfeld zwischen Bedarfsdeckung der Tiere und Schutz des Verbrauchers und der Umwelt. *Prakt Tierarzt* **92**:998-1008.

- Spycher, A., C. Geigy, J. Howard, H. Posthaus, K. Gendron, B. Gottstein, K. Debache, D.C. Herrmann, G. Schares, and C.F. Frey. 2011. Isolation and genotyping of *Toxoplasma gondii* causing fatal systemic toxoplasmosis in an immunocompetent 10-year-old cat. *J Vet Diagn Invest* **23**:104-108.
- Starick, E., S.R. Fereidouni, E. Lange, C. Grund, T. Vahlenkamp, M. Beer, and T.C. Harder. 2011. Analysis of influenza A viruses of subtype H1 from wild birds, turkeys and pigs in Germany reveals interspecies transmission events. *Influenza Other Resp Viruses* **5**:276-284.
- Starick, E., E. Lange, S. Fereidouni, C. Bunzenthall, R. Höveler, A. Kuczka, E. grosse Beilage, H.-P. Hamann, I. Klingelhöfer, D. Steinhauer, T. Vahlenkamp, M. Beer, and T. Harder. 2011. Re-assorted pandemic (H1N1) 2009 influenza A virus discovered from pigs in Germany. *J Gen Virol* **92**:1184-1188.
- Staubach, C., L. Hoffmann, V.J. Schmid, M. Ziller, K. Tackmann, and F.J. Conraths. 2011. Bayesian space-time analysis of *Echinococcus multilocularis*-infections in foxes. *Vet Parasitol* **179**:77-83.
- Stech, J., M. Beer, T. Vahlenkamp, and T. Harder. 2011. The pandemic influenza virus H1N1/2009: a review of the molecular biology, phylogeny, history of reassortments, and parameters of host switching. *Bundesgesundheitsbl Gesundheitsforsch Gesundheitsschutz* **53**:1231-1237.
- Stech, J., H. Garn, A. Herwig, O. Stech, B. Dauber, T. Wolff, T.C. Mettenleiter, and H.-D. Klenk. 2011. Influenza B Virus With Modified Hemagglutinin Cleavage Site as a Novel Attenuated Live Vaccine. *J Infect Dis* **204**:1483-1490.
- Stitz, L. and A. Aguzzi. 2011. Aerosols: An underestimated vehicle for transmission of prion diseases? *Prion* **5**:3.
- Strelau, K.K., A. Brinker, C. Schnee, K. Weber, R. Möller, and J. Popp. 2010. Detection of PCR products amplified from DNA of epizootic pathogens using magnetic nanoparticles and SERS. *J Raman Spectrosc* **42**:243-250.
- Süss, J. 2011. Tick-borne encephalitis 2010: Epidemiology, risk areas, and virus strains in Europe and Asia - An overview. *Ticks Tick-borne Dis* **2**:2-15.
- Sundrum, A., A. Aragon, C. Schulze-Langenhorst, L. Bütfering, M. Henning, and G. Stalljohann. 2011. Effects of feeding strategies, genotypes, sex, and birth weight on carcass and meat quality traits under organic pig production conditions. *NJAS - Wageningen J Life Sci* **58**:163-172.
- Sutor, A. and S. Schwarz. 2011. Home ranges of raccoon dogs (*Nyctereutes procyonoides*, Gray, 1834) in Southern Brandenburg, Germany. *Eur J Wildl Res* [Epub ahead of print; doi:10.1007/s10344-011-0546-6]
- Sutor, A., S. Schwarz, and F.J. Conraths. 2011. Der Marderhund (*Nyctereutes procyonoides*) in Deutschland - ein etablierter Neubürger als Wirt und Vektor für Parasiten und andere Pathogene. *Berl Münch Tierärztl Wschr* **124**:457-464.
- Takizawa, F., E.O. Koppang, M. Ohtani, T. Nakanishi, K. Hashimoto, U. Fischer, and J.M. Dijkstra. 2011. Constitutive high expression of *interleukin-4/13A* and *GATA-3* in gill and skin of salmonid fishes suggests that these tissues form Th2-skewed immune environments. *Mol Immunol* **48**:1360-1368.
- Takizawa, F., J.M. Dijkstra, P. Kotterba, T. Korytář, H. Kock, B. Köllner, B. Jaureguiberry, T. Nakanishi, and U. Fischer. 2011. The expression of CD8 α discriminates distinct T cell subsets in teleost fish. *Dev Comp Immunol* **35**:752-763.
- Thijssen, J.M., K. Herzog, G. Weijers, M. Brockhan-Luedemann, A. Starke, H. Niemann, H. Bollwein, and C.L. de Korte. 2011. Ultrasound image analysis offers the opportunity to predict plasma progesterone concentrations in the estrous cycle in cows: A feasibility study. *Anim Reprod Sci* **127**:7-15.
- Thulke, H.-H., D. Eisinger, and M. Beer. 2011. The role of movement restrictions and pre-emptive destruction in the emergency control strategy against CSF outbreaks in domestic pigs. *Prev Vet Med* **99**:28-37.

- Traulsen, I., G. Rave, J. Teuffert, and J. Krieter.** 2011. Consideration of different outbreak conditions in the evaluation of preventive culling and emergency vaccination to control foot and mouth disease epidemics. *Res Vet Sci* **91**:219-224.
- Turgeon, N., F. McNicoll, M.J. Toulouse, A. Liav, J. Barbeau, J. Ho, C. Grund, and C. Duchaine.** 2011. Neuraminidase activity as a potential enzymatic marker for rapid detection of airborne viruses. *Aerosol Sci Technol* **45**:183-195.
- Ulferts, R., T.C. Mettenleiter, and J. Ziebuhr.** 2010. Characterization of Bafinivirus Main Protease Autoprocessing Activities. *J Virol* **85**:1348-1359.
- Vandendriessche, S., K. Kadlec, S. Schwarz, and O. Denis.** 2011. Methicillin-susceptible *Staphylococcus aureus* ST398-t571 harbouring the macrolide-lincosamide-streptogramin B resistance gene *erm(T)* in Belgian hospitals. *J Antimicrob Chemother* **66**:2455-2459.
- Velazquez, M.A., K.-G. Haderler, D. Herrmann, W.A. Kues, S. Ulbrich, H.H.D. Meyer, B. Rémy, J.-F. Beckers, H. Sauerwein, and H. Niemann.** 2011. In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. *Reproduction* **142**:41-52.
- Velazquez, M.A., D. Hermann, W.A. Kues, and H. Niemann.** 2011. Increased apoptosis in bovine blastocysts exposed to high levels of IGF1 is not associated with downregulation of the IGF1 receptor. *Reproduction* **141**:91-103.
- Vetter, J.M., L. Frisch, C. Drosten, R.S. Ross, M. Roggendorf, B. Wolters, T. Müller, H.B. Dick, and N. Pfeiffer.** 2010. Survival After Transplantation of Corneas From a Rabies-Infected Donor. *Cornea* **30**:241-244.
- Völker, D., L. Hüther, G. Daş, and H. Abel.** 2011. Pantothenic acid supplementation to support rumen microbes? *Arch Anim Nutr* **65**:163-173.
- Voigt, A., G. Schöfl, A. Heidrich, K. Sachse, and H.P. Saluz.** 2011. Full-Length *De Novo* Sequence of *Chlamydophila psittaci* Type Strain, 6BC. *J Bacteriol* **193**:2662-2663.
- de Vos, C.J., F.J. Conraths, A. Adkin, G.S. Hallgren, and L.G. Paisley.** 2011. Comparison of veterinary import risk analysis studies. *Int J Risk Assessment and Management* **15**:330-348.
- Vos, A., K.-K. Conzelmann, S. Finke, T. Müller, J. Teifke, A.R. Fooks, and A. Neubert.** 2011. Immunogenicity Studies in Carnivores Using a Rabies Virus Construct with a Site-Directed Deletion in the Phosphoprotein. *Adv Prev Med, Art. ID898171*.
- Vos, A., C. Nunan, D. Bolles, T. Müller, A.R. Fooks, N. Tordo, and G.M. Baer.** 2011. HISTORICAL REVIEW - The occurrence of rabies in pre-Columbian Central America: an historical search. *Epidemiol Infect* **139**:1445-1452.
- Wagner, J., A. Kneucker, E. Liebler-Tenorio, V. Fachinger, M. Glaser, S. Pesch, M.P. Murtaugh, and P. Reinhold.** 2011. Respiratory function and pulmonary lesions in pigs infected with porcine reproductive and respiratory syndrome virus. *Vet J* **187**:310-319.
- Wahli, T., and S.M. Bergmann.** 2011. Viral haemorrhagic septicaemia (VHS): Detection, distribution and combat. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* **6**, No. 002, 1-10.
- Wang, J., D. Höper, M. Beer, and N. Osterrieder.** 2011. Complete genome sequence of virulent duck enteritis virus (DEV) strain 2085 and comparison with genome sequences of virulent and attenuated DEV strains. *Virus Res* **160**:316-325.
- Wang, Y., Y. Wang, C.-M. Wu, S. Schwarz, Z. Shen, W. Zhang, Q. Zhang, and J.-Z. Shen.** 2011. Detection of the staphylococcal multiresistance gene *cfr* in *Proteus vulgaris* of food animal origin. *J Antimicrob Chemother* **66**:2521-2526.

Wegelt, A., I. Reimann, H. Granzow, and M. Beer. 2011. Characterization and purification of recombinant bovine viral diarrhoea virus particles with epitope-tagged envelope proteins. *J Gen Virol* **92**:1352-1357.

Wei, X.J., Y.D. Ni, L.Z. Lu, R. Grossmann, and R.Q. Zhao. 2011. The effect of equol injection in ovo on posthatch growth, meat quality and antioxidation in broilers. *Animal* **5**:320-327.

Weichselbaumer, M., M. Willmann, M. Reifinger, J. Singer, E. Bajna, Y. Sobanov, D. Mechtcherikova, E. Selzer, J.G. Thalhammer, R. Kammerer, and E. Jensen-Jarolim. Phylogenetic discordance of human and canine carcinoembryonic antigen (CEA, CEACAM) families, but striking identity of the CEA receptors will impact comparative oncology studies. *PLoS Curr* **3**:RRN1223.

Weigoldt, M., J. Meens, K. Doll, I. Fritsch, P. Möbius, R. Goethe, and G.F. Gerlach. 2011. Differential proteome analysis of *Mycobacterium avium* subsp. *paratuberculosis* grown in vitro and isolated from cases of clinical Johne's disease. *Microbiology* **157**:557-565.

Weisrock, K.U., S. Winkelsett, W. Martin-Rosset, W.-G. Forssmann, N. Parvizi, M. Coenen, and I. Vervuert. 2011. Long-term effects of intermittent equine parathyroid hormone fragment (ePTH-1-37) administration on bone metabolism in healthy horses. *Vet J* **190**:e130-e134.

Wernike, K., B. Hoffmann, D. Kalthoff, P. König, and M. Beer. 2011. Development and validation of a triplex real-time PCR assay for the rapid detection and differentiation of wild-type and glycoprotein E-deleted vaccine strains of Bovine herpesvirus type 1. *J Virol Meth* **174**:77-84.

Wieler, L.H., T. Semmler, I. Eichhorn, E.M. Antao, B. Kinnemann, L. Geue, H. Karch, S. Guenther, and A. Bethe. 2011. No evidence of the Shiga toxin-producing *E. coli* O104:H4 outbreak strain or enteroaggregative *E. coli* (EAEC) found in cattle faeces in northern Germany, the hotspot of the 2011 HUS outbreak area. *Gut Pathogens* **3**:17.

Wolf, S., J. Reetz, and P. Otto. 2011. Genetic characterization of a novel calicivirus from a chicken. *Arch Virol* **156**:1143-1150.

Veröffentlichungen in nicht referierten Zeitschriften/Conference Proceedings

Albayrak, I., H. Ün, N. Asan, N. Ünal, T. Müller, C. Freuling, and O. Aylan. 2011. Phylogenetic relationships of three bat species from Turkey. *Etlık Vet Mikrobiyol Derg* **22**:49-53.

Baulain, U., A. Schön, H. Brandts, and W. Brade. 2011. Leistungsstand der niedersächsischen Schafzucht dargestellt anhand von Ergebnissen der stationären Nachkommenprüfung von 1993 bis 2007. *Züchtungskunde* **83**:439-450.

Baumgartner, J., J. Hempler, J. Herrle, B. Hörning, U. Klöble, O. Tober, R. Wiedmann, R. Weber, C. Jais, J. Simon, R. Wödl, B. Bünger, R. Bussemas, S. Fritzsche, A. Schubbert, and C. Werner. 2011. 9.3.2 Gruppenabferkelbuch. *In: Ökologische Schweinehaltung, Zukunftsweisende Haltungsverfahren, KTBL-Schrift* **484**:122-125.

Benninger, G., C. Drosten, R. Goethe, R. Köck, L. Kreienbrock, S. Ludwig, R. Merle, T. Müller, H. Neubauer, K. Sachse, D. Schlüter, E. Strauch, and L. Wieler. 2011. Zoonosen: Bekannte und neue Infektionskrankheiten - eine Herausforderung für die Forschung an der Schnittstelle von Human- und Veterinärmedizin. *DZKF* **5/6-2011**, S. 1-6.

Berk, A. und S. Dänicke. 2011. Zum Futterwert von Sonnenblumenproteinkonzentrat. *Forum angewandte Forschung in der Rinder- und Schweinefütterung* **06./07.04.2011**, S. 153-156.

Berk, J. 2011. Einfluss der Besatzdichte auf Tierverhalten und Tiergesundheit bei Putenhennen mit Zugang zu einem Außenklimabereich. *KTBL-Schrift* **489**:162-169.

Berk, J. 2011. Was bringt ein Außenklimabereich? *DGS Magazin* **39/2011**:31-36.

Berk, J. 2011. Geflügel- und Kleintierforschung: Verhalten und Tierschutz im Fokus. DGS Magazin 22/2011:30-36.

Berk, J. and J. Dannenbrink. 2011. Einfluss einer Erhöhung der Besatzdichte durch Nutzung eines Außenklimabereiches in der Mast von Putenhähnen. REKASAN-Journal **18** (35/36):14-16.

Berk, J. and J. Kirchner. 2011. Effect of stocking density on production and behaviour in tom turkeys - a field trial. In: Hafez, H.M. (ed.) Turkey Production and Health: An update. Proceedings of the 6th International Symposium on turkey production, Berlin, 16th-18th June 2011, Institute of Poultry Diseases, Free University Berlin, ISBN: 978-86387-094-2, S. 233-242.

Blome, S., M. Kramer, C. Staubach, D. Höreth-Böntgen, C. Gabriel, K. Depner, J. Teifke, and M. Beer. 2011. Exotische Tierseuche vor den Toren der Europäischen Union. Dt Tierärztebl 07/2011:852-857.

Börner, K., R. Schneider, and C. Staubach. 2011. Reproduktionsbiologische Parameter des Rotfuchses (*Vulpes vulpes* L.) im urbanen Raum. Beitr Jagd- u Wildforsch **36**:247-252.

Brandt, H., D. Werner, U. Baulain, W. Brade, P. Köhler, and F. Weißmann. 2011. Zur Genotyp-Umwelt-Interaktion von Fleischqualitätsmerkmalen bei unterschiedlichen Genotypen in ökologischer und konventioneller Schweinemast. In: Leithold, G. et al. (eds.), Es geht ums Ganze: Forschen im Dialog von Wissenschaft und Praxis. Beiträge zur 11. Wissenschaftstagung Ökologischer Landbau vom 15.-18.03.2011 in Gießen, Band 2: Tierproduktion, Sozioökonomie. Köster, Berlin, ISBN: 978-3-895747779, 792 S., S. 56-59.

Büch, J., K. Roomp, G. Bach, L. Steinbrück, M. Beer, V. Gregory, N. Komadina, Y. Lan, I. Monne, C. Smith, S. Fujisaki, P. Bogner, and T. Lengauer. 2011. GISAID - a global initiative on sharing all influenza data. Influenza Other Resp Viruses 5(Suppl. 1):419.

Bünger, B., B. Zacharias, P. Grün, E. Tholen, and H. Schrade. 2011. Agonistisches Verhalten von nicht kastrierten männlichen, weiblichen und kastrierten männlichen Mastschweinen unter LPA-Standard. KTBL-Schrift **489**:117-127.

Charrière, J.D., V. Dietemann, M. Schäfer, B. Dainat, P. Neumann, and P. Gallmann. 2011. Leitfaden Bienengesundheit des Zentrums für Bienenforschung. ALP forum Nr. 84.

Conraths, F.J. 2011. Globalisierung und Klimawandel: Steigendes Risiko für Tierseuchen in Deutschland. Züchtungskunde **83**:21-26.

Deleré, Y., O. Wichmann, T. Müller, C. Freuling, M. Roggendorf, and S. Ross. 2011. Tollwut in Deutschland: Gelöstes Problem oder versteckte Gefahr? Epidemiol Bull **8/2011**:57-61.

Dippel, S. and L. Schrader. 2011. Managementhilfe zur Reduzierung von Schwanzbeißen bei Schweinen. In: 31. Fachtagung „Aktuelle Probleme des Tierschutzes“, Hannover, 8.-9. Sept. 2011, Stiftung Tierärztliche Hochschule Hannover, ISBN: 978-3-00-036804-2, S. 102-104.

Droebner, K., E. Haasbach, C. Mueller, S. Ludwig, and O. Planz. 2011. The polyphenol rich plant extract CYSTUS052 is highly effective against H5n1 and pandemic H1N1v influenza A virus. Influenza Other Resp Viruses 5(Suppl. 1):237-239.

Eggers, U., H. Schulz, F. Schulz, C. Freuling, A. Hlinak, R.-U. Mühle, T. Müller, and D. Wallschläger. 2011. Möglichkeiten interdisziplinärer Forschung zur Biologie der Vögel: das „Paradebeispiel“ Weißstorch (*Ciconia ciconia*) - Untersuchungen in der Prignitz, Brandenburg. Berichte der Vogelwarte Hiddensee **20**:15-26.

Eladawy, H., H. Hotzel, H. Tomaso, H. Neubauer, and H.-M. Hafez. 2011. Multiplex PCR for detection of *Campylobacter* DNA during commercial turkey production. In: Hafez, H.M. (ed.) Turkey Production and Health: An update. Proceedings of the 6th International Symposium on turkey production, Berlin, 16th-18th June 2011, Institute of Poultry Diseases, Free University Berlin, ISBN: 978-86387-094-2, S. 261-266.

- Flachowsky, G.** 2011. Die Fleischerzeugung im Spannungsfeld von Lebensmittellieferung, Ressourcenverbrauch, Emissionen und ethischen Aspekten. *Fleischwirtschaft* 3/2011:21-27.
- Flachowsky, G.** 2011. Stand und Möglichkeiten von Pflanzen- und Tierzucht zur effektiven Erzeugung von Lebensmitteln tierischer Herkunft. *Fakultätsbote der Gesellschaft zur Förderung der Agrar- und Ernährungswissenschaften an der Martin-Luther-Universität Halle-Wittenberg e.V.* 1/2011:13-17.
- Flachowsky, G.** 2011. Zur ernährungsphysiologischen Bewertung von Futtermitteln aus gentechnisch veränderten Pflanzen. *Mühle + Mischfutter* 148:251-259.
- Flachowsky, G.** 2011. Poultry Feed from Genetically Modified Plants. *Lohmann Information* 46:43-60.
- Flachowsky, G.** 2011. Globale Ernährungssicherung: Stand und Herausforderungen. *NovoArgumente* 112-II:188-199.
- Flachowsky, G.** 2011. Futtermittel aus gentechnisch veränderten Pflanzen - wie könnte es weiter gehen? *REKASAN-Journal* 18[35/36]:61-64.
- Flachowsky, G.** 2011. Feed from genetically modified plants in poultry nutrition and future challenges. 18th European Symposium on Poultry Nutrition, Working Group 2 of WPSA, Oct. 31 - Nov. 04, 2011, Izmir, Turkey, p. 32-45.
- Flachowsky, G.** 2011. Öffentliches Interesse nimmt exponentiell zu: Die Fleischerzeugung im Spannungsfeld von Lebensmittellieferung, Ressourcenverbrauch, Emissionen und ethischen Aspekten. *Fleischwirtschaft* 91:21-27.
- Flachowsky, G., W. Brade, U. Meyer, and M. Zehetmeier.** 2011. CO₂-Footprints für Lebensmittel tierischer Herkunft - Datenbasis und Kalkulationsgrundlagen. *Forum angewandte Forschung in der Rinder- und Schweinefütterung* 06./07.04.2011, S. 4-15.
- Flachowsky, G., W. Brade, A. Feil, J. Kamphues, U. Meyer, and M. Zehetmeier.** 2011. Carbon (CO₂)-Footprints bei der Primärerzeugung von Lebensmitteln tierischer Herkunft: Datenbasis und Reduzierungspotentiale. *Übers Tierernährg* 39:1-45.
- Flachowsky, G., U. Meyer, and F. Hackelsperger.** 2011. Milchfieber (Gebärparese) - "Berufskrankheit" älterer Hochleistungskühe? *REKASAN-Journal* 18[35/36]:21-24.
- Freuling, C.M., J. Kliemt, E. Mühlbach, and T. Müller.** 2011. Neues Fledermaustollwutvirus aus einer Fransenfledermaus (*Myotis nattereri*) isoliert. *Nyctalus (N.F.)* 16:204-206.
- Freuling, C.M., J. Schatz, B. Pott-Dörfer, D. Heidecke, G. Wibbelt, K. Mühldorfer, J. Kliemt, and T. Müller.** 2011. Untersuchungen an Fledermaustodfunden zum Vorkommen der Fledermaustollwut in Deutschland. *Nyctalus (N.F.)* 16:212-216.
- Garrels, W., S. Holler, Z. Ivics, H. Niemann, and W.A. Kues.** 2011. Transgene Expression durch zytoplasmatische Injektion von Plasmiden und Transposon-basierten Kosntrukten in Säugerembryonen (Dissertation). *Züchtungskunde* 83:46-67.
- Garrels, W., H. Niemann, and W.A. Kues.** 2011. Recent progress of transgenic pig models for biomedicine and pharmaceutical research. *Ellegaard Newsletter* 36:17-23.
- Gethmann, J., C. Probst, A. Fröhlich, M. Ziller, C. Staubach, and F.J. Conraths.** 2011. Evaluation of Bluetongue surveillance in Germany. *Epidémiol et santé anim* 59-60:159-160.
- Greiner, M., T. Selhorst, W.O. Johnson, M. Doherr, and C. Müller-Graf.** 2011. Sensitivity-adjusted BSE Prevalence can be Estimated Using Surveillance Data Without External Information on Incubation Time and Age at Infection. *Epidémiol et santé anim* 59-60:314-315.

- Halle, I., G. Jahreis, and S. Dänicke.** 2011. Effects of dietary conjugated linoleic acid on growing performance of chickens and ducks for fattening and fatty acid composition on breast meat. *World's Poultry Sci J* **67** (Suppl.):c-29.
- Hasnain, S.E., B. Friedrich, T. Mettenleiter, U. Dobrindt, and J. Hacker.** 2011. Climate change and infectious diseases - Impact of global warming and climate change on infectious diseases: Myth or reality? *Int J Med Microbiol* **302**:1-3.
- Hochberger, J., E. Kruse, E. Wedi, and P. Köhler.** 2011. Neue Instrumente für die endoskopische Submukosadissektion. *Endo-Praxis* **27**:150-156.
- Hochberger, J., E. Kruse, E. Wedi, and P. Köhler.** 2011. Neue Instrumente für die endoskopische Submukosadissektion. *Gastroenterologe* **6**:418-426.
- Johne, R., G. Heckel, P. Dremsek, A. Plenge-Bönig, E. Kindler, C. Maresch, J. Reetz, A. Schielke, and R.G. Ulrich.** 2011. In Response. *Emerg Infect Dis* **17**:1982-1983.
- Kjaer, J.B., L. Schrader and B. Scholz.** 2011. Analyse des Landeverhaltens von Legehennen auf verschiedenen Sitzstangentypen. *KTBL-Schrift* **489**:137-144.
- Kramer, M., A. Balkema-Buschmann, T. Selhorst, D. Kämer, K. Teske, C. Staubach, M.H. Groschup, and F.J. Conraths.** 2011. Zehn Jahre BSE in Deutschland - Entwicklung der epidemiologischen Situation. *Amtstierärztl Dienst Lebensmittelkontr* **18**:127-131.
- Kramer, M., D. Kerschhofer, R. Krieger, B. Gottstein, D. Friedrich, H.-J. Bätza, and T.C. Mettenleiter.** 2011. Die Bund-Länder-Expertengruppe - ein Element des Tierseuchenkrisenmanagements in der Bundesrepublik Deutschland. *Amtstierärztl Dienst Lebensm* **18**:198-202.
- Kunze, U. and ISW TBE.** 2011. Tick-borne encephalitis: The impact of epidemiology, changing lifestyle, and environmental factors. Conference report of the 12 Annual Meeting of the International Scientific Working Group on Tick-Borne Encephalitis (ISW-TBE). *Vaccine* **29**:1355-1356.
- Kwasnitschka, L., B. Ohlendorf, M. Groschup, and A. Balkema-Buschmann.** 2011. Pilotstudie zur Untersuchung einheimischer Fledermäuse auf das Vorkommen von Paramyxoviren. *Nyctalus (N.F.)* **16**:217-223.
- Lebzien, P., U. Meyer, S. Hachenberg, and H. Niemann.** 2011. Strategien zur Minderung von klimarelevanten Emissionen und N-Ausscheidungen aus der Tierproduktion. *REKASAN-Journal* **18**[35/36]:61-64.
- Leonhard-Marek, S., M. Wagener, A. Ott, P. Lebzien, and K. Müller.** 2011. Kaliumbilanzen bei Milchkühen. *VetMedReport* 9/2011, S. 11.
- Leonhard-Marek, S., M. Wagener, A. Ott, P. Lebzien, and K. Müller.** 2011. Kaliumbilanzen bei Milchkühen nach oraler Kalium-Supplementierung. In: *DVG Vet-Congress, Berlin, 10.-13.11.2011*, Verlag der DVG Service GmbH, Gießen, ISBN: 978-3-86345-045-8, S. 94-96.
- Lohölter, M., U. Meyer, R. Manderscheid, H.-J. Weigel, and S. Dänicke.** 2011. Effekt von atmosphärischer CO₂-Konzentration und Trockenstress auf die Nährstoffverdaulichkeit von Maissilage bei variierenden Umgebungstemperaturen. *Forum angewandte Forschung in der Rinder- und Schweinefütterung* 06./07.04.2011, S. 46-49.
- Menge, C., and G. Baljer.** 2011. Reservoirwirt Rind. Rinder als Quelle für EHEC-Infektionen des Menschen. *labor&more* 5/2011:80-83.
- Müller, T. and C. Freuling.** 2011. Tollwut. *ZiVet* 07/2011, S. 46-48.
- Müller, T., B. Ohlendorf, B. Pott-Dörfer, A. Vos, L. Neubert, J. Kliemt, and C.M. Freuling.** 2011. Experimentelle Studien von EBLVs in verschiedenen Wirten - ein Überblick unter besonderer Berücksichtigung der Fledermäuse. *Nyctalus (N.F.)* **16**:207-211.

- Müller, T., J. Schatz, and C.M. Freuling.** 2011. Fledermaustollwut - ein globaler Überblick. *Nyctalus (N.F.)* **16**:197-203.
- Muhammad, S., O. Planz, and M. Schwaninger.** 2011. Response to Letter by McColl et al Regarding Article „Influenza Virus Infection Aggravates Stroke Outcome“. *Stroke* **42**:E417.
- Neubauer, H.** 2011. Diagnostic assays for glanders. *Vet Rec* **169**:663-664.
- Niemann, H.** 2011. Sind die Grenzen der Leistungsfähigkeit unserer Nutztiere erreicht oder bereits überschritten? In: Proceedings 30. Internationaler Veterinärkongress des BbT vom 15.-17.05.2011 in Bad Staffelstein, S. 36-51.
- Niemann, H.** 2011. Tierzucht zwischen Landwirtschaft und Biomedizin: Klonen von Nutztieren. *Biologie in unserer Zeit* **41**:34-42.
- Reiling, S.J., C. Ehrhardt, K. Droebner, E. Hrinčius, J. Leban, S. Strobl, D. Vitt, S. Ludwig, and O. Planz.** 2011. The NF-kappaB-inhibitor SC75741 efficiently blocks H5N1 influenza virus propagation in vitro and in vivo without the tendency to induce resistant virus variants. *Influenza Other Resp Viruses* **5**(Suppl. 1):249-251.
- Reinhold, P.** 2011. Atemkondensat(e): Gibt es eine Renaissance? Atemwegs- und Lungenkrankheiten **37**:358-373.
- Scholz, B., T. Pickel, and L. Schrader.** 2011. Pressure measurements in perching laying hens. In: 16. Internationale Fachtagung zum Thema „Tierschutz“, Nürtingen, 23.-25. Februar 2011. Verlag der DVG Service GmbH, Gießen, ISBN: 978-3-86345-012-0, S. 294-305.
- Schrader, L.** 2011. Tierwohl-Standards für die Schweinehaltung. *B&B Agrar* **6/2011**:9-12.
- Schrader, L.** 2011. Tiergerechtheit - Anforderungen an zukunftsfähige Haltungssysteme. *KTBL-Schrift* **485**:115-125.
- Schrader, L.** 2011. Lässt sich Tiergerechtheit messen? *Vieh und Fleisch Handelszeitung* **51/2011**:22-23.
- Schrader, L., U. Meyer, S. Schwarz, and S. Weigend.** 2011. Neues aus Tierhaltung, Tierernährung und Nutztiergenetik - Fortbildungsveranstaltung des FLI-Fördervereins. *Tierärztl Umschau* **10**:421-423.
- Selhorst, T., H. Lentz, M. Korschake, M. Kasper, and F.J. Conraths.** 2011. Utilization of network centrality measures for risk based surveillance. *Epidémiol et santé anim* **59-60**:123-124.
- Sonnenburg, J. and C. Staubach.** 2011. Studies on Modifications of the Sampling Interval and Size in the Framework of CSF Surveillance of Wild Boar. *Epidémiol et santé anim* **59-60**:185-186.
- Sprague, L.D.** 2011. Q-Fieber Tierische Erkrankung mit menschlichen Auswirkungen. *hundkatzeperferd* **5/2011**:20-23.
- Staubach, C., L. Hoffmann, V. Schmid, K. Tackmann, and F.J. Conraths.** 2011. Echinococcus surveillance: Bayesian time-space analysis of *Echinococcus multilocularis* infections in foxes in Thuringia, Germany. *Epidémiol et santé anim* **59-60**:23-25.
- Süss, J. and O. Kahl** 2011. Editorial: Another good news from TTBDIS. *Ticks Tick-borne Dis* **2**:iii.
- Süss, J. and O. Kahl.** 2011. Ticks and Tick-borne Diseases - The successful story goes on. *Ticks and Tick-borne Diseases* **2**:1.
- Sutor, A.** 2011. Der Marderhund (*Nyctereutes procyonoides*) in der Lausitz - Forschungsergebnisse und Schlussfolgerungen. *Beitr Jagd- u Wildforsch* **36**:211-215.
- Sutor, A. and S. Schwarz.** 2011. Dispersal and home range shifting of adult raccoon dogs (*Nyctereutes procyonoides*) - observations in Brandenburg, Germany. *Beitr Jagd- u Wildforsch* **36**:217-223.

Weigel, H.J. and M. Henning. 2011. Agrobiodiversität in der Agrarforschung des BMELV-Geschäftsbereichs. Schriftenreihe des IBV 31:14-21.

Weigend, S. et al. 2011. Vielfalt der Formen und Farben - Erfahrungsbericht über die Probennahme auf den diesjährigen Geflügelschauen. Geflügelzeitung/Offizielles Organ des BDRG und des Europaverbandes der Kleintierzüchter 1:52-53.

Buchbeiträge

Al Dahouk, S., H. Neubauer, and H. Tomaso. 2011. Brucella. *In:* Liu, D. (ed.), Molecular Detection of Human Bacterial Pathogens, Taylor & Francis CRC Press, Boca Raton, London, New York, ISBN: 978-1-4398-1238-9, pp. 629-646.

Berk, J. 2011. Faustzahlen zur Haltung von Mastgeflügel. Geflügeljahrbuch 2011, Ulmer Verlag, ISBN: 978-3-8001-6988-7, p. 144-165.

Conraths, F.J. and T.C. Mettenleiter. 2011. Infectious Diseases Under the Influence of Changing Environmental Factors. *In:* Mehlhorn, H. (ed.), Progress in Parasitology, Parasitology Research Monographs 2, Springer-Verlag, Berlin Heidelberg, ISBN: 978-3-642-21396-0_13, pp. 253-258.

Flachowsky, G. and E. Schulz. 2011. Nachhaltigkeit in der Fütterung. *In:* Pottebaum, R. (eds.), Mühlen- und Mischfutter-Jahrbuch 2011, Verlag Moritz Schäfer, Detmold, ISBN: 978-3-87696-283-2, 232 S., pp. 189-209.

Hochberger, J., E. Kruse, E. Wedi, K.F. Bürrig, S. Dammer, P. Köhler, and D. Menke. 2011. Endoscopic mucosal resection and endoscopic submucosal dissection. *In:* Cohen, J. (ed.), Successful training in gastrointestinal endoscopy, Wiley-Blackwell Publishing Ltd., Oxford, UK, ISBN: 978-1-4051-9663-5, pp. 204-237.

Hocking, P.M., R.B. D'Eath, and J.B. Kjaer. 2011. Genetic Selection. *In:* Appleby, M.C. et al. (eds.), Animal Welfare, 2nd Edition, CAB International, Wallingford, Oxfordshire, UK, ISBN: 978-1-84593-659-4, pp. 263-278.

Kampen, H. and D. Werner. 2011. Arthropod vectors and their growing importance in Europe. *In:* Mehlhorn, H. (ed.), Progress in Parasitology, Parasitology Research Monographs 2, Springer-Verlag, Berlin Heidelberg, ISBN: 978-3-642-21396-0_13, pp. 259-282.

Methner, U. 2011. Salmonellosen. *In:* Siegmann, O., U. Neumann (eds.), Kompendium der Geflügelkrankheiten, 7. Auflage, Schlütersche, ISBN-13: 9783899930832, ISBN-10: 3899930835, 424 S., pp 225-228.

Niemann, H. 2011. Entwicklungsstand und Anwendungsperspektiven des somatischen Klonens von Nutztieren. Leopoldina, Jahrbuch 2010, pp. 463-468.

Niemann, H., W.A. Kues, A. Lucas-Hahn and J.W. Carnwath. 2011. Somatic Cloning and Epigenetic Reprogramming in Mammals. *In:* Atala, A., R. Lanza, J.A. Thomson, and R. Nerem (eds.), Principles of Regenerative Medicine, Elsevier, ISBN: 978-0123814227, pp. 129-158.

Niemann, H., W.A. Kues, B. Petersen, and J.W. Carnwath. 2011. Animal Systems Transgenesis. *In:* Murray, M.-Y., M. Butler, C. Webb, A. Moreira, B. Grodzinski, Z.F. Cui, and S. Agathos (eds.), Comprehensive Biotechnology, 2nd Edition, Elsevier Science, ISBN: 978-0-444-53352-33, pp. 457-467.

Sachse, K. and M.L. Gallo Vaulet. 2011. Aplicación de las técnicas moleculares al diagnóstico de las infecciones por clamidias. *In:* Basualdo, J., Cacchione, R., Durlach, R., Martino, P., Seijo, A. (eds.), Temas de Zoonosis V, Asociación Argentina de Zoonosis, Buenos Aires, pp. 473-478.

Simjee, S., S. Schwarz, R.E. Badal, A.T. Sheldon Jr., W.B. Basso, T.R. Shyrock, D.J. Farrell, P. Silley, A.B. Frey, J. Stelling, P. McDermott, B. Stephan, R.A. Miller, J.D. Turnidge, L.T. Moon, J.L. Watts, F.L. Pantozzi, and C.C. Wu. 2011. CLSI. Generation, presentation, and application of antimicrobial

susceptibility test data for bacteria of animal origin; a report. CLSI document X08-R, Wayne, P.A.: Clinical and Laboratory Standards Institute, ISBN: 1-56238-765-0, ISSN: 1558-6502 (Print); ISBN: 1-56238-766-9, ISSN: 2162-2914 (Electronic).

Stech, J. and H.-D. Klenk. Application of Cleavage Activation Mutants of Influenza Virus as Live Vaccines. *In: Dormitzer, P.R. et al. (eds.), Replicating Vaccines, Birkhäuser Advances in Infectious Diseases, Springer, Basel, ISBN: 978-3-0346-0277-8_14, pp. 321-330.*

Tautz, N. and G. Meyers. Basic science paves the way to novel and effective pestivirus vaccines. *In: Dormitzer, P.R. et al. (eds.), Replicating Vaccines, Birkhäuser Advances in Infectious Diseases, Springer, Basel, ISBN: 978-3-0277-8_14, doi: 10.1007/978-3-0346-0277-8_7, pp. 173-193.*

Tomaso, H. and H. Neubauer. 2011. Forensic Microbiology. *In: Nuno Vieira, D. (ed.), Forensic Medicine - From Old Problems to New Challenges, InTech, ISBN: 978-953-307-262-3, 383 S., pp. 293-306.*

Velazquez, M.A. and W. A. Kues. 2011. In vivo gene transfer in the female bovine: Potential applications for biomedical research in reproductive science. *In: Komorowska, M.A., S. Olsztynska-Janus (eds.), Biomedical Engineering, Trends, Research and Technologies, In Tech Open, Croatia, ISBN: 978-953-307-514-3, pp. 217-244.*

Wang, C., B. Kaltenboeck, and K. Sachse. 2011. Chlamydophila. *In: Liu, D. (ed.), Molecular Detection of Human Bacterial Pathogens, CRC Press Taylor & Francis, London, ISBN: 978-1-4398-1238-9, pp. 523-535.*

Ziller, M., M. Gussmann, and A. Karger. 2011. Mathematical Aspects of Classifying Mass Spectra. Diagnostic Discrimination of Influenza-subtypes. *In: Dress, A. et al. (eds.), The Math of Flu, Heft 17, Reihe: Biometrie und Medizinische Information - Greifswalder Seminarberichte, Shaker Verlag, Aachen, ISBN: 978-3-8322-9763-3, pp. 101-123.*

Zimmermann, W. and R. Kammerer. 2011. Negative regulators in cancer immunology and immunotherapy. *In: Medin, J. and D. Fowler (eds.), Experimental and Applied Immunotherapy, Humana Press, New York, ISBN: 978-1-60761-979-6, pp. 229-249.*