

Ahrens H, Petersen B, Herrmann D, Frenzel A, Lucas-Hahn A, Hassel P, Ziegler M, Rataj D, Tiede A, Niemann H: Generation of transgenic pigs carrying an siRNA vector directed against tissue factor expression. Workshop “Transplant Immunology”, 09.-10.05.2014, Hannover, Proc. 1 S.

Ahrens HE, Petersen B, Herrmann D, Frenzel A, Lucas-Hahn A, Hassel P, Ziegler M, Rataj D, Tiede A, Niemann H: Generation of transgenic pigs carrying an siRNA vector directed against tissue factor expression. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 30.

Alessio A, Fili A, Forcato D, Olmos-Nicotra F, Alustiza F, Rodriguez N, Owens J, Moisyadi S, Kues WA, Bosch P: Efficient piggyBac transposon-mediated transgene integration into bovine fetal fibroblast genome. Reprod Dom Anim 49 (Suppl 1):8.

Bernal SM, Heinzmann J, Herrmann D, Baulain U, Lucas-Hahn A, Niemann H: Effects of cAMP modulators during in vitro maturation on bovine embryo development and quality in prepubertal donors. Reprod Dom Anim 49 (Suppl. 1):11.

Bernal SM, Heinzmann J, Herrmann D, Baulain U, Lucas-Hahn A, Niemann H: Effects of different in vitro maturation systems on embryo development in bovine prepubertal and adult donors. J Reprod Fertil Dev 26:195.

Bernal SM, Heinzmann J, Herrmann D, Baulain U, Hadeler KG, Aldag P, Lucas-Hahn A, Niemann H: Embryonalentwicklung und Embryonenqualität bei päpuberalen und adulten Spendern nach Supplementierung mit cAMP Modulatoren während der in-vitro-Maturation boviner Oocyten. AET-d 2014, Longsdorf, Luxembourg, Proc. p. 37-38.

Bernal SM, Heinzmann J, Herrmann D, Baulain U, Hadeler KG, Aldag P, Lucas-Hahn A, Niemann H: Effects of cAMP regulators during oocyte in vitro maturation on bovine embryo development in prepubertal and adult donors. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 11.

Blodkamp S, Kadlec K, Naim HY, Schwarz S, von Köckritz-Blickwede M: Characterization of the antimicrobial activities of cathelicidins from different animal species against methicillin-resistant *Staphylococcus aureus*. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 69f.

Blodkamp S, Kadlec K, Naim HY, Schwarz S, von Köckritz-Blickwede M: Effects of cathelicidins against livestock-associated methicillin-resistant *Staphylococcus aureus*. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p 13.

Blodkamp S, Kadlec K, Naim HY, Schwarz S, von Köckritz-Blickwede M: Effects of cathelicidin antimicrobial peptides against livestock-associated methicillin-resistant *Staphylococcus aureus*. German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 91.

Blodkamp S, Kadlec K, Naim HY, Schwarz S, von Köckritz-Blickwede M: Effects of cathelicidins against livestock-associated methicillin-resistant *Staphylococcus aureus*. Graduate School Day, 28.-29.11.2014, Hannover, Proc. Zoo P01.

Blodkamp S, Kadlec K, Naim HY, Schwarz S, von Köckritz-Blickwede M: Antimicrobial activities of cathelicidins from human and animals against livestock-associated methicillin-resistant *Staphylococcus aureus*. 21. DVG-FG Physiologie und Biochemie, 13.-15.02.2014, Zürich, Switzerland, Proc. P22.

Blodkamp S, Kadlec K, Naim HY, Schwarz S, von Köckritz-Blickwede M: Antibacterial actions of cationic antimicrobial peptides derived from different animal species against

Methicillin-resistant *Staphylococcus aureus*. Innate host defence mechanisms in infections (ALTANT conference 2014), 14.-16.05.2014, Utrecht, The Netherlands, Proc. p. 25.

Burchard B, Lucas-Hahn A, Talluri T, Ziegler M, Niemann H: Preliminary experiments for the generation of porcine interspecies chimeras for xenotransplantation. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 14.

Eidam C, Poehlein A, Leimbach A, Michael GB, Liesegang H, Kadlec K, Daniel R, Sweeney MT, Murray RW, Watts JL, Schwarz S: Analysis and comparison of the first integrative and conjugative element (ICE) of *Mannheimia haemolytica*, the ICEMh1. International Pasteurellaceae Conference (IPC), 13.-16.05.2014, Prato, Italy, Proc. p. 35f.

Eidam C, Kadlec K, Michael GB, Kaspar H, Schwarz S: First tulathromycin-resistant Pasteurellaceae isolates from Germany. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 101f.

Eidam C, Poehlein A, Leimbach A, Michael GB, Liesegang H, Kadlec K, Daniel R, Sweeney MT, Murray RW, Watts JL, Schwarz S: Distribution of antimicrobial resistance genes via integrative and conjugative elements in Pasteurellaceae, the ICEMh1. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 29f.

Eidam C, Poehlein A, Leimbach A, Michael GB, Liesegang H, Kadlec K, Daniel R, Sweeney MT, Murray RW, Watts JL, Schwarz S: ICEMh1, the first integrative and conjugative element (ICE) of *Mannheimia haemolytica*. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin. Proc. p. 96.

Entorf M, Feßler AT, Turnidge J, Peters T, Schwarz S: Quality control criteria for cefoperazone and tylosin 30 µg disks. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin. Proc. p. 93.

Entorf M, Feßler AT, Kaspar H, Kadlec K, Peters T, Mankertz J, Schwarz S: Quality control (QC) criteria for susceptibility testing using tylosin and cefoperazone 30 µg disks. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 81f.

Entorf M, Feßler AT, Turnidge J, Peters T, Schwarz S: Tylosinresistenz bei Staphylokokken und Streptokokken aus Fällen boviner Mastitis. DVG-FG Bakteriologie und Mykologie vom 26.-28.05.2014 in Freising, Proc. p. 19f.

Entorf M, Feßler AT, Kaspar H, Kadlec K, Peters T, Mankertz J, Schwarz S: Phenotypic and genotypic analysis of tylosin resistance among staphylococci and streptococci from cases of bovine mastitis. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 12.

Erbe M, Cavero D, Weigend A, Weigend S, Pausch H, Preisinger R, Simianer H: Genomic prediction in laying hens. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 370-381.

Fellmin M, Weigend S, Elsässer M, Henning M, Ehling C, Tiemann I: Model and demonstration project - cryopreservation of the chicken. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 515.

Feßler AT, Hensel V, Meurer M, Michael GB, Schwarz S: Establishing of biocide susceptibility testing of field isolates of *Staphylococcus aureus* and *Escherichia coli*. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 28f.

Feßler AT, Zhao Q, Kadlec K, Wang Y, Ziebuhr W, Shen J, Schwarz S: Complete sequence of a plasmid from a bovine MRSA harbouring antimicrobial and heavy metal resistance genes in addition to putative virulence genes. German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 106f.

Fellmin M, Weigend S, Elsässer M, Henning M, Ehling C, Tiemann I: Model and demonstration project - cryopreserve of the chicken. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 515.

Freitag C, Michael GB, Kadlec K, Hassel M, Schwarz S: Detection of plasmid-borne extended-spectrum β-lactamase (ESBL) genes in *Escherichia coli* isolates from vegetables. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 134f.

González Serrano AF, Ferreira CR, Pirro V, Lucas-Hahn A, Heinzmann J, Hadeler KG, Aldag P, Baulain U, Piechotta M, Dänicke S, Cooks RG, Niemann H: Fingerprints on oocyte and embryo lipid profiles caused by in vitro embryo production system and fatty acid diet supplementation in bovine. World Congress of Reproductive Biology, 02.-04.09.2014, Edinburgh, U.K., Proc. p. 050.

Gonzalez-Serrano AF, Ferreira CR, Pirro V, Heinzmann J, Hadeler KG, Herrmann D, Aldag P, Meyer U, Piechotta M, Rohrer C, Jahreis G, Dänicke S, Cooks RG, Niemann H: Fatty acid profiling after rumen-protected fat supplemtation reveals nutritional footprints on bovine oocyte quality and embryo development. *Reprod Dom Anim* 49 (Suppl. 1):20.

González Serrano AF, Ferreira CR, Pirro V, Heinzmann J, Hadeler KG, Herrmann D, Aldag P, Meyer U, Piechotta M, Rohrer C, Jahreis G, Dänicke S, Cooks RG, Niemann H: Specific fatty acid follow-up reveals rumen-protected fat supplementation effects on bovine oocyte quality and embryo development. *Reprod Fertil Dev* 26:115-116.

González-Serrano AF, Ferreira CF, Pirro V, Lucas-Hahn A, Heinzmann J, Hadeler KG, Baulain U, Aldag P, Meyer U, Piechotta M, Jahreis G, Dänicke S, Cooks RG, Niemann H: Effekte der Fütterungssupplementierung mit pansen-geschützten konjugierten Linolsäuren auf die Qualität boviner Eizellen und Embryonen. AET-d 2014, Longsdorf, Luxembourg, Abstract Book p. 24-25.

Groeneveld E, Müller U, Truong CVC, Kostritz S: QS@breeding – a virtual appliance for quality control in BLUP genetic evaluation. 10th World Congress on Genetics Applied to Livestock Production, 17.-22.11.2014, Vancouver, Canada, Proc. Nr. 162.

Heinzmann J, Mattern F, Aldag P, Lucas-Hahn A, Wrenzycki C, Haaf T, Niemann H: Einfluss post-ovulatorischer Alterung auf Entwicklung und Methylierungsmuster boviner Oozyten und Embryonen. AET-d 2014, Longsdorf, Luxembourg, Abstract Book p. 31-32.

Heinzmann J, Mattern F, Aldag P, Lucas-Hahn A, Wrenzycki C, Haaf T, Niemann H: Postovulatory ageing influences methylation marks and development in bovine oocytes and early embryos. World Congress of Reproductive Biology, 02.-04.09.2014, Edinburgh, U.K., Proc. p. 109.

Höhne A, Petow S, Weigend S, Schrader L: Effect of two housing systems on ghrelin secretion in adult laying hens (*Gallus gallus domesticus*) at different times of life. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 471.

Kadlec K, Wendlandt S, Feßler AT, Schwarz S: New resistance genes in methicillin-resistant *Staphylococcus aureus* from animals. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 32.

Kadasi A, Maruniakova N, Kolesarova A, Grossmann R, Stochmalova A, Alexa R, Sirotkin AV: The Effect of follicle stimulating hormone on cattle ovarian cell functions. 14th International Scientific Conference on "Risk factors of food chain", 09.-10.10.2014, Jaworze, Poland, Proc. p. 18.

Kadasi A, Maruniakova N, Kolesarova A, Stochmalova A, Alexa R, Grossmann R, Sirotkin AV: The effect of green tea extracts on steroidogenesis, proliferation and apoptosis in ovarian granulosa cells. Endocrine Abstracts 34:348.

Kordowitzki P, Müller KE: Relevance of stocking density towards tail-tip necrosis in fattening bulls. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 42.

Krohn J, Meinicke-Tillmann S, Schneider H, Lierz M, Ehling C, Wehrend A: Investigations on the examination of the penetration ability in avian spermatozoa of different species. Reprod Dom Anim 49 (Suppl 1):29-30.

Lieboldt MA, Halle I, Frahm J, Daenicke S, Weigend S, Schrader L, Preisinger R: Performance traits and egg composition in genotypes of pure bred laying hens diverging in production efficiency. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 553.

Liu Y, Lucas-Hahn A, Petersen B, Li R, Hassel P, Ziegler M, Li J, Larsen K, Niemann H, Callesen H: Developmental competence of cloned porcine embryos produced with different cloning procedures. Reprod Fertil Dev 26:123.

Lopes GV, Michael GB, Cardoso M, Schwarz S: Characterization of multi-resistant porcine *Salmonella enterica* subsp. *enterica* serovar *Typhimurium* isolates from Southern Brazil. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 132f.

Lyimo CM, Weigend A, Eding H, Mssoffe PL, Simianer H, Weigend S: Genetic variations and regional genetic contributions in chicken populations from Europe, Asia and Africa. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 424.

Mall EM, Petkov S, Talluri R, Burchard B, Nowak-Imialek M, Petersen B, Lucas-Hahn A, Niemann H: Production of chimeric pigs with humanized hepatocytes. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 29.

Mancini R, Gamrad L, Taylor U, Kues W, Barcikowski S, Rath D: Specific nanotargeting of Y-chromosome bearing bull spermatozoa. Reprod Dom Anim 49 (Suppl 3):81.

Mattern F, Heinzmann J, Aldag P, Wrenzycki C, Niemann H, Haaf T: Extended in vitro maturation of bovine oocytes affects methylation of the oocyte-specific isoform DNMT3Lo and embryonic development. Medizinische Genetik 1:175.

Michael GB, Kadlec K, Kaspar H, Schwarz S: Detection of ESBL-carrying multi-resistance plasmids in clinical *Escherichia coli* isolates from food-producing animals. 24th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 10.-13.05.2014, Barcelona, Spain, Proc. p. 227.

Michael GB, Kaspar H, Kadlec K, Schwarz S: Characterization of IncN plasmids carrying the blaCTX-M-1 extended-spectrum β-lactamase gene among clinical *Escherichia coli* isolates collected from cattle and swine. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising. Proc. p. 130f.

Michael GB, Eidam C, Sweeney MT, Murray RW, Poehlein A, Leimbach A, Lie-segang H, Daniel R, Watts JL, Schwarz S, Kadlec K: Integrative and conjugative elements (ICEs) conferring multi-resistance in bovine *Pasteurella multocida* and *Mannheimia haemolytica*. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 36.

Michael GB, Kaspar H, Kadlec K, Schwarz S: Distribution of IncN plasmids carrying blaCTX-M-1 and co-located resistance genes in *Escherichia coli* isolates collected from diseased animals. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 97.

Michael GB, Sweeney MT, Murray RW, Watts JL, Schwarz S, Kadlec K: Structural variations in the resistance gene regions of the integrative and conjugative element ICEPmu1 from bovine *Pasteurella multocida* and *Mannheimia haemolytica*. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 98.

Michael GB, Kaspar H, Kadlec K, Schwarz S: Location of blaCTX-M-1 and qnrS1 genes on IncN plasmids from clinical *Escherichia coli* isolates collected from diseased animals. German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 258f.

Mukherjee A, Kues WA: Development of a Sleeping Beauty transposon-based nucleic acid vaccine. Junior Scientist Zoonosis Meeting, 02.-04.06.2014, Hannover, Abstract book p. 39.

Mukherjee A, Kues W: Dwarf phenotype in transgenic mice carrying a transposon for milk-specific expression of a viral epitope. 5th International Congress on Stem Cells and Tissue Formation, 08.-11.07.2014, Proc. p. 34.

Niemann H: Pluripotent cells, somatic clones and transgenic animals as challenge for reproductive medicine. Reprod Dom Anim 49 (Suppl. 1):6. (key lecture)

Niemann H: Epigenetic studies on bovine preimplantation embryos. EPICON-CEPT Conference 2014, 01.-03.10.2014, Vilamoura, Portugal, Proc. p. 49.

Nowak-Imialek M, Lachmann N, Herrmann D, Jacob F, Niemann H: Identification and characterization of Oct4-EGFP expressing cells in transgenic pig testis. Reprod Fertil Dev 26:210.

Nowak-Imialek M, Lachmann N, Herrmann D, Niemann H: Identification and characterization of Oct4-EGFP expressing cells in transgenic pig testis. 12th Annual Meeting of the ISSCR, 18.-21.06.2014, Vancouver, Canada, Proc. p. 215-216.

Ojo OE: An initial report on the extended-spectrum β-lactamase-producing *Escherichia coli* from Nigerian poultry industry. Network Meeting of the Alexander von Humboldt-Foundation, 26.-28.11.2014, Würzburg, Proc. p. 216f.

Petersen B, Ahrens H, Herrmann D S, Hauschild-Quintern J, Lucas-Hahn A, Baars W, Schwinzer R, Niemann H: Generation of Gal-/-hA20/HO-1 transgenic pigs for xenotransplantation. Workshop “Transplant Immunology”, 09.-10.05.2014, Hannover, Proc. p. 26.

Petersen B, Ahrens HE, Herrmann D, Petkov S, Frenzel A, Hauschild-Quintern J, Lucas-Hahn A, Hassel P, Ziegler M, Baars W, Schwinzer R, Niemann H: Generation of HHO1/HA20/GGTA1-ko pigs by using sleeping beauty transposon and zinc finger nucleases. Transgen Res 23:861.

Petersen B, Frenzel A, Mussmann C, Klein S, Niemann H: Highly efficient biallelic knockout of the porcine GGTA1 by using CRISPR/Cas9. Transgen Res 23:878.

Petkov S, Niemann H: Small molecule inhibitors PD0325901 and CHIR99021 cause reduced expression of pluripotency genes in putative porcine induced pluripotent stem cells. Reprod Fertil Dev 26:209.

Rao T, Kumar D, Niemann H, Behr R, Glage S, Garrels W, Debowski K, Kues W: Generation and characterization of piggy Bac-mediated induced pluripotent stem cells from cattle. 5th International Congress on Stem Cells and Tissue Formation, 08.-11.07.2014, Dresden, Proc. p. 33.

Rataj D, Werwitzke S, Winkler M, Ramackers W, Niemann H, Abicht J, Wolf E, Tiede A: Insights into the onset of Thrombotic Microangiopathy (TMA) and Acute Vascular

Rejection (AVR) following xenotransplantation in a micro fluidic flow-chamber system. Workshop "Transplant Immunology", 09.-10.05.2014, Hannover, Proc. p. 28.

Rehbock C, Merk V, Gamrad L, Jakobi J, Tiedemann D, Taylor U, Kues W, Rath D, Barcikowski S: Biocompatible ligand-free gold and alloy nanoparticles for toxicological assays. Proceeding of SPIE Volume 8955 (SPIE, Bellingham, WA, 2014): Parak WJ, Osinski M, Yamamoto KI (eds.) Colloidal Nanoparticles for Biomedical Applications IX. ISBN: 9780819498687, p. 7.

Rehbock C, Jakobi J, Gamrad L, van der Meer S, Tiedemann D, Taylor U, Kues W, Rath D, Barcikowski S: Current state on laser synthesis of metal and alloy nanoparticles, qualified as ligand-free reference materials for nano-toxicological assays. 15th International Symposium on Laser Precision Microfabrication (LMP2014), 17.-20.06.2014, Vilnius, Lithuania, Proc. p. 112.

Reimer C, Rubin CJ, Weigend S, Waldmann KH, Distl O, Simianer H: The minipig genome harbors regions of selection for growth. 10th World Congress of Genetics Applied to Livestock Production, 17.-22.11.2014, Vancouver, Canada, Proc. Abstract Nr. 132.

Riesenber A, Feßler AT, Frömke C, Kadlec K, Klarmann D, Kreienbrock L, Werckenthin C, Schwarz S: A new CLSI-approved protocol for antimicrobial susceptibility testing of *Rhodococcus equi* by broth microdilution. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 94.

Riesenber A, Feßler AT, Erol E, Prenger-Berninghoff E, Stamm I, Böse R, Heu-singer A, Klarmann D, Werckenthin C, Schwarz S: Susceptibility of 200 *Rhodococcus equi* isolates from the United States and Europe to 32 antimicrobial agents. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 94.

Riesenber A, Feßler AT, Frömke C, Kadlec K, Klarmann D, Kreienbrock L, Werckenthin C, Schwarz S: Development of a new protocol for antimicrobial susceptibility testing of *Rhodococcus equi* by broth microdilution. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 144f.

Riesenber A, Feßler AT, Erol E, Prenger-Berninghoff E, Stamm I, Böse R, Heu-singer A, Klarmann D, Werckenthin C, Schwarz S: Minimum inhibitory concentrations of 200 *Rhodococcus equi* isolates to 32 antimicrobial agents. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 146f.

Schwarz S, Kadlec K, Michael GB: Was versteht man unter Resistenz und ESBL? – Begriffsbestimmungen und Nachweismöglichkeiten im Labor. Seminar Veterinary Public Health (WHO-Centre Veterinary Public Health), Thema: "ESBL: eine neue Gefahr oder ein aktueller Name für alte Probleme? Die Aufgabe der Tiermedizin in der Vermeidung und Reduktion von Resistzenzen", 07.02.2014, Hannover, Proc. p. 6ff.

Schwarz S, Papich MG, Simjee S, Bade DJ, Brown SD, Fajt VR, Fritsche TR, Heine HS, Hunter RP, Silley P, Wu CC, Zurenko GE, Watts JL: What's new in antimicrobial susceptibility testing of bacteria from animals: New veterinary-specific CLSI standards VET01-A4 and VET01-S2. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 52.

Schneider H, Fischer D, Bergmann M, Ehling C, Meinecke-Tillmann S, Wehrend A, Lierz M: Investigations into Cryopreservation of Psittacine semen. Reprod Dom Anim 49 (Suppl 1):39.

Schütt RO, Knorr C, Rath D: Different freezing methods of small volumes of bull semen and their effects on post freezing quality. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 28.

Schütt RO, Knorr C, Rath D: Effect of small volume freezing methods on bovine semen quality. Reprod Dom Anim 49 (Suppl 3):94.

Sharifi AR, Zhang Y, Weigend S, Weigend A, Preisinger R, Schmutz M, Römisch-Margl L, Jonczyk R, Gülersönmez MC, Piepho HP, Malik WA, Sitzenstock F, Simianer H: Association between metabolites in egg yolk and hatchability traits in laying hens. 10th World Congress of Genetics Applied to Livestock Production, 17.-22.11.2014, Vancouver, Canada, Proc. Abstract No. 327.

Sharp H, Valentin L, Hille K, Seibt U, Fischer J, Pfeiffer Y, Michael GB, Nickel S, Schmiedel J, Falgenhauer L, Friese A, Bauerfeind R, Rösler U, Iimirzalioglu C, Chakraborty T, Helmuth R, Valenza G, Werner G, Schwarz S, Guerra-Roman B, Appel B, Kreienbrock L, Käsbohrer A: ESBL-producing *E. coli* from animal and human sources – what do they share? German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 83f.

Talluri TR, Kumar D, Glage S, Garrels W, Debowski K, Behr R, Niemann H, Kues WA: Derivation of bovine induced pluripotent stem cells by a transposon approach. World Congress of Reproductive Biology, 02.-04.09.2014, Edinburgh, U.K., Proc. p. 191.

Tiedemann D, Taylor U, Rehbock C, Klein S, Stünkel M, Kues W, Barcikowski S, Rath D: Influence of nickel-titanium nanoparticles on the maturation of porcine oocytes. Reprod Dom Anim 49 (Suppl 3):96-97.

Tiedemann D, Taylor U, Rehbock C, Jacobi J, Klein S, Kues WA, Barcikowski S, Rath D: Oocyte maturation as a highly sensitive model to explore toxicity of metal and metal alloy nanoparticles. FLI Junior Scientist Symposium, 19.-21.08.2014, Neustadt/Mardorf, Proc. p. 13.

Valentin L, Sharp H, Hille K, Seibt U, Fischer J, Pfeiffer Y, Michael GB, Nickel S, Schmiedel J, Falgenhauer L, Friese A, Bauerfeind R, Rösler U, Iimirzalioglu C, Chakraborty T, Helmuth R, Valenza G, Werner G, Schwarz S, Guerra B, Appel B, Kreienbrock L, Käsbohrer A: Classification of ESBL-producing *E. coli* from animal and human sources by phenotypic and genotypic methods to compare ESBL types from different reservoirs. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 33.

Weigend S, Janßen-Tapken U, Erbe M, Baulain U, Weigend A, Sölkner J, Simianer H: Genome-wide analyses of genetic diversity and phylogenetic relationships in the Synbreed Chicken Diversity Panel. 14th European Poultry Conference, 23.-27.06.2014, Stavanger, Norway, Proc. p. 164-176.

Weigend S: The Synbreed Chicken Diversity Panel – a resource for fine scale diversity studies. ISAG-FAO Workshop on Animal Genetic Diversity. 34th International Society for Animal Genetics Conference, 26.07.-01.08.2014, Xi'an, China, Conference Book p. 19.

Wendlandt S, Kadlec K, Schwarz S: Identification of the novel spectinomycin resistance gene spd in different plasmid backgrounds among methicillin-resistant and methicillin-susceptible *Staphylococcus aureus*. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 23f.

Wendlandt S, Kadlec K, Feßler AT, Schwarz S: Presence of the spectinomycin resistance genes spc, spd and spw among staphylococci from animals. 7th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM), 16.-19.09.2014, Berlin, Proc. p. 95.

Wendlandt S, Kadlec K, Feßler AT, Schwarz S: Identification of the novel pleuromutilin resistance gene lsa(E) in bovine methicillin-resistant *Staphylococcus aureus* and coagulase-negative staphylococci. German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 325.

Wendlandt S, Kadlec K, Schwarz S: Genetic basis of resistance to spectinomycin among staphylococci from various animal origins collected in the resistance monitoring study BfT-GermVet. German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 324.

Witte W, Feßler AT, Schwarz S, Cuny C: Cfr-mediated transferable antibiotic resistance in coagulase-negative staphylococci from nasal colonization of humans with occupational exposure to livestock. DVG-FG Bakteriologie und Mykologie, 26.-28.05.2014, Freising, Proc. p. 193f.

Witte W, Feßler AT, Schwarz S, Cuny C: Cfr-mediated transferable antibiotic resistance in coagulase-negative staphylococci from nasal colonization of humans with occupational exposure to livestock. German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses, 16.-17.10.2014, Berlin, Proc. p. 216.