

**Alonso CA, Michael GB, Li J, Somalo S, Simón C, Wang Y, Torres C, Schwarz S:** 2016. Analysis of *bla*<sub>SHV-12</sub>-carrying plasmids in *Escherichia coli* from human, animal and food sources. 26<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 09.-12.04.2016 in Amsterdam, The Netherlands. P1514.

**Apfelbaum R, Bevacqua R, Garrels W, Talluri TR, Mukherjee A, Ziegler Z, Burchardt B, Salamone D, Niemann H, Grueso E, Ivics Z, Kues WA:** 2016. Optimization of the one-step CRISPR/Cas9 gene knock-out employing reporter transgenic zygotes. Proc. TransTech Conference, 20.-23.03.2016 in Prague, Czech Republic.

**Bernhardt J, Steffen H, Köhler P, Ludwig K:** 2016. Gastrale ESD mit dem ANUBIS-System im Tier-Überlebensmodell. Endoscopy Campus 01/2016, Abstract FV-18, p. 39.

**Bernhardt J, Steffen H, Köhler P, Ludwig K:** 2016. NOTES-Cholecystektomie mit dem ANUBIS-System im Tier-Überlebensmodell. Endoscopy Campus 01/2016, Abstract FV-19, p. 40.

**Bernhardt J, Steffen H, Köhler P, Ludwig K:** 2016. NOTES-Sigmaresektion mit dem ANUBIS-System im Tier-Überlebensmodell. Endoscopy Campus 01/2016, Abstract FV-20, pp. 40-41.

**Bernal SM, Heinzmann J, Herrmann D, Baulain U, Hadelers KG, Aldag P, Lucas-Hahn A, Niemann H:** 2016. Effects of pre-in vitro maturation with caffeine on bovine oocyte developmental capacity. Proc. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. *Reprod Fertil Dev* 28, 229-230.

**Bernal SM, Lucas-Hahn A, Aldag P, Baulain U, Hadelers KG, Herrmann D, Niemann H:** 2016. Pre-in vitro maturation with caffeine increases embryo survival after vitrification. 49. Jahrestagung "Physiologie und Pathologie der Fortpflanzung", 10.-12.02.2016 in Leipzig. Proc. DVG Verlag, p. 50.

**Bevacqua RJ, Fernandez-Martin R, Savy V, Canel NG, Gismondi MI, Kues W, Carlson DF, Fahrenkrug SC, Niemann H, Taboga OA, Ferraris S, Salamone DF:** 2016. Efficient gene-edition of the bovine PRNP prion gene in somatic cells and IVF embryos using the CRISPR/Cas9 system. Proc. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. *Reprod, Fertil Dev* 28, 253-254.

**Burchardt B, Lucas-Hahn A, Hassel P, Ziegler M, Neuhaus G, Wunderlich S, Petkov S, Martin U, Niemann H:** 2016. Towards optimal in vitro culture conditions for pig-monkey aggregation chimeras. Proc. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. *Reprod Fertil Dev* 28, 180-181.

**Cuny C, Arnold P, Feßler AT, Wang Y, Hermes J, Eckmanns T, Schwarz S, Witte W:** 2016. Cfr-mediated multiresistance in *staphylococci* from veal calves and pigs, from humans at the corresponding farms, and from veterinarians and their family members. 26<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 09.-12.04.2016 in Amsterdam, The Netherlands. O197.

**Fellmin M, Weigend S, Henning M, Ehling C, Weigend A, Lyimo C, Tiemann I:** 2016. Cryopreservation and characteristics of traditional old chicken breeds in Germany. Proc. of XXV World's Poultry Congress, 05.-09.09.2016 in Beijing, China, p. 295.

**Feßler AT, Geber F, Meurer M, Hensel V, Speck S, Reinhardt M, Michael GB, Truyen U, Schwarz S:** 2016. Harmonisation of biocide susceptibility testing of bacteria. Proc. National Symposium on Zoonoses Research, 13.-14.10.2016 in Berlin, p. 63.

**Feßler AT, Geber F, Meurer M, Hensel V, Speck S, Reinhardt M, Michael GB, Truyen U, Schwarz S:** 2016. Development of a method for biocide susceptibility testing of bacteria.

Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 95.

**Fili AE, Alessio AP, Garrels W, Forcato DO, Olmos Nicotra MF, Liaudat AC, Bevacqua RJ, Savy V, Hiriart MI, Rodriguez N, Talluri TR, Ivics Z, Salamone DF, Kues WA, Bosch P:** 2016. Highly efficient sleeping beauty transposon-mediated transgenesis in bovine fetal fibroblasts. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. *Reprod Fertil Dev* 28, 253.

**Freitag C, Michael GB, Kadlec K, Hassel M, Schwarz S:** 2016. Detection of extended-spectrum  $\beta$ -lactamase (ESBL)-producing *Escherichia coli* isolates from bovine mastitis. Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 93.

**Freitag C, Michael GB, Kadlec K, Hassel M, Schwarz S:** 2016. Characterization of extended-spectrum  $\beta$ -lactamase (ESBL)-producing *Escherichia coli* and ESBL gene-carrying plasmids of isolates from bovine mastitis. Proc. National Symposium on Zoonoses Research, 13.-14.10.2016 in Berlin, p. 133.

**Groeneveld E, Lichtenberg H:** 2016. The SNPpit – a multi panel SNP data management package. Plant & Animal Genome Conference XXIV/PO349, 09.-13.01.2016 in San Diego, CA, USA. (<https://pag.confex.com/pag/xxiv/meetingapp.cgi/Paper/19103>).

**Groeneveld E:** 2016. SNP data management in genomic pipelines. Abstract Book 67<sup>th</sup> Annual Meeting of the European Association for Animal Production, 29.08.-02.09.2016 in Belfast, UK, p. 103.

**Geibel J, Weigend S, Weigend A, Sharifi AR, Simianer H:** 2016. Patterns of sexual size dimorphism in various chicken breeds. Abstract Book 67<sup>th</sup> Annual Meeting of the European Association for Animal Production, 29.08.-02.09.2016 in Belfast, UK, p. 124.

**Habig C, Baulain U, Wittig S, Weigend S:** 2016. Vergleichende Betrachtung des Nestverhaltens leistungsdivergenter Weißlegerlinien in Bodenhaltung. Proc. 21. Internationale Fachtagung zum Thema Tierschutz, Tagung der DVG (Deutsche Veterinärmedizinische Gesellschaft)-Fachgruppe „Tierschutz“, 25.-27.02.2016 in München, S. 225-226.

**Habig C, Henning M, Baulain U, Weigend S:** 2016. Beeinflusst die Selektion auf Leistungseffizienz die Knochenstabilität bei Legehennen? Proc. Vortragstagung der Gesellschaft der Förderer und Freunde für Geflügel- und Kleintierforschung e. V., 26.05.2016 in Celle.

**Habig C, Henning M, Baulain U, Sharifi AR, Simianer H, Scholz A, Weigend S:** 2016. Knochenstabilität in Bezug zum Leistungsniveau bei phylogenetisch divergenten Legehuhnlinien. Proc. Vortragstagung der DGfZ und GfT, 20.-21.09.2016 in Hannover, C09.

**Habig C, Baulain U, Henning M, Scholz AM, Weigend S:** 2016. Comparative analysis of bone stability of four layer lines kept in two husbandry systems. Proc. XXV World's Poultry Congress, 05.-09.09.2016 in Beijing, China, p. 280.

**Kadlec K, Li J, Kaspar H, Shen Y, Wang Y, Schwarz S:** 2016. A novel multire-sistance integrative and conjugative element ICEPmu2 in a *Pasteurella multocida* isolate from Germany. Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 133.

**Keller Siqueira A, Michael GB, Kadlec K, Kaspar H, Schwarz S:** 2016. Characterization of plasmids carrying the AmpC  $\beta$ -lactamase gene blaCMY-2 in *Escherichia coli* from diseased food-producing animals. Proc. Tagung der Deutschen Veterinärmedizinischen

Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 99.

**Keller Siqueira A, Michael GB, Ferraz MMG, Ribeiro MG, Schwarz S, Leite DS:** 2016. Unusual class 1 integrons located on multi-resistance plasmids of *Escherichia coli* from dogs. Proc. American Society of Microbiology (ASM) Microbe 2016, 16.-20.06.2016 in Boston, MA, USA, SUNDAY-739.

**Kordowitzki P, Bernal SM, Herrmann D, Aldag P, Niemann H:** 2016. Resveratrol supplementation during in vitro maturation and fertilization enhances developmental competence of bovine oocytes. Proc. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. Reprod Fertil Dev 28, p. 230.

**Kordowitzki P, Hadeler KG, Herrmann D, Aldag P, Niemann H:** 2016. Activation of SIRT1 by resveratrol influences developmental competence of bovine oocytes in relation to maternal age. Proc. 49. Jahrestagung “Physiologie und Pathologie der Fortpflanzung”, 10.-12.02.2016 in Leipzig, p. 3.

**Lauzana E, Haber C, Kahle E, Köhler P, Lamadé W:** 2016. „Weepy Nerve” - Unterschiedliche Empfindlichkeit des linken und rechten Nervus laryngeus recurrens bei Zugbelastung im Schweinmodell. Proc. 15. Jahrestagung der Deutschen Gesellschaft für Computer- und Roboterassistierte Chirurgie (CURAC), 29.09.-01.10.2016 in Bern, Switzerland, p. 3-4.

**Lazaris A, Shore A, Kinnevey P, Coleman D, Pichon B, Kearns A, Brennan G, O'Connell B, Feßler AT, Schwarz S, Brennan O:** 2016. An investigation of the clonality and mechanisms of linezolid resistance among *Staphylococcus aureus* and coagulase-negative *staphylococci* from humans in IE. Proc. 26<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 09.-12.04.2016 in Amsterdam, The Netherlands, P0183.

**Liu Y, Lucas-Hahn A, Petersen B, Li R, Herrmann D, Hassel P, Ziegler M, Li J, Larsen K, Niemann H, Callesen H:** 2016. Developmental patterns of porcine embryos produced by two cloning methods with or without in vitro culture. Proc. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. Reprod Fertil Dev 28, p. 137.

**Li D, Li J, Wang Y, Schwarz S, Cai J, Fan R, Feßler AT, Zhang R, Wu C, Shen J:** 2016. Detection of the oxazolidinone resistance gene *oprA* on a multi-resistance plasmid from *Staphylococcus sciuri*. Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 91.

**Li J, Feßler AT, Jiang N, Fan R, Wang Y, Wu C, Shen J, Schwarz S:** 2016. Molecular basis of rifampicin resistance in multi-resistant porcine livestock-associated methicillin-resistant *Staphylococcus aureus*. Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 107.

**Loncaric I, Posautz A, Beiglblock C, Feßler AT, Hoffmann D, Walzer C, Schwarz S, Spergser J, Kübber-Heiss A:** 2016. Multi-drug resistant *Pseudomonas aeruginosa* isolated from wildlife. Proc. 12<sup>th</sup> Conference of the European Wildlife Disease Association (EWDA), 27.-31.04.2016 in Berlin, p. 145.

**Mall EM, Burchardt B, Herrmann D, Niemann H:** 2016. Analysis of the FOXG1 knockout phenotype in murine iPSC using SFEBQ differentiation. ISSCR Meeting, 01.-03.02.2016 in Dresden.

**Malomane DK, Reimer C, Weigend S, Weigend A, Sharifi AR, Simianer H:** 2016. Comparisons of allele frequencies estimated from whole genome resequencing data and high

density genotyping arrays in chicken. Proc. Vortragstagung der DGfZ und GfT, 20.-21.09.2016 in Hannover, A02.

**Michael GB, Keller Siqueira A, Kadlec K, Kaspar H, Schwarz S:** 2016. Diversity of extended-spectrum  $\beta$ -lactamase gene-carrying plasmids harboured by *Escherichia coli* isolates of diseased food-producing animals. Proc. 26<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 09.-12.04.2016 in Amsterdam, The Netherlands, p. O164.

**Michael GB, Keller Siqueira A, Kadlec K, Kaspar H, Schwarz S:** 2016. Identification of extended-spectrum  $\beta$ -lactamase (ESBL)-producing *Escherichia coli* isolates among diseased food-producing animals from GERM-Vet 2008-2014. Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 105.

**Michael GB, Keller Siqueira A, Kadlec K, Kaspar H, Schwarz S:** 2016. Does size matter? - Transferability of extended-spectrum  $\beta$ -lactamase gene-carrying plasmids from *Escherichia coli* isolates of diseased food-producing animals. Proc. National Symposium on Zoonoses Research, 13.-14.10.2016 in Berlin, p. 38.

**Murray S, Meric G, Yahara K, Harris L, Wilkinson T, Fitzgerald R, Schwarz S, Sheppard S, Pascoe B:** 2016. Recombination drives host adaptation of *Staphylococcus aureus* following a recent host jump. Proc. 26<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 09.-12.04.2016 in Amsterdam, The Netherlands, O194.

**Ni Y, Sun L, Zhao R, Grossmann R:** 2016. Activation of epithelial proliferation induced by *Eimeria acervulina* infection in the duodenum may be associated with cholesterol metabolism. Proc. 11<sup>th</sup> International Symposium on Avian Endocrinology, 11.-14.10.2016 in Niagara, Canada, p. 25.

**Niemann H:** 2016. Gene editing and beyond: The future of genetically engineered livestock. Proc. 49. Jahrestagung “Physiologie und Pathologie der Fortpflanzung”, 10.-12.02.2016 in Leipzig, p. 19.

**Niemann H:** 2016. Epigenetics and risk assessment of farmed animals for food production. Proc. EFSA Scientific Colloquium 22, 14.-15.06.2016 in Valencia, Spain, p. 6.

**Nowak-Imialek M, Wunderlich S, Herrmann D, Klein S, Baulain U, Lucas-Hahn A, Mall E, Petersen B, Martin U, Niemann H:** 2016. Generation of interspecies chimeras between primate induced pluripotent stem cells and porcine parthenogenetic embryos. Proc. 42<sup>nd</sup> IETS Annual Meeting, 23.-26.01.2016 in Louisville, Kentucky, USA. Reprod Fertil Dev 28, p. 243.

**Nowak-Imialek M, Wunderlich S, Herrmann D, Klein S, Baulain U, Lucas-Hahn A, Petkov S, Mall E, Petersen B, Martin U, Niemann H:** 2016. Generation of inter-species chimeras between cynomolgus monkey induced pluripotent stem cells and porcine embryos. Book of Abstracts of the ISSCR 2016 Annual Meeting, p. 156.

**Pietsch M, Irrgang A, Roschanski N, Michael GB, Rieber H, Käsbohrer A, Schwarz S, Rösler U, Pfeifer Y, Werner G:** 2016. Characterization of plasmid-mediated  $\beta$ -lactamase CMY-2 in *Escherichia coli* from human and animal origin in Germany. National Symposium on Zoonoses Research, 13.-14.10.2016 in Berlin, p. 149.

**Reimer C, Sharifi AR, Rubin CJ, Weigend S, Waldmann KH, Distl O, Pant SD, Fredholm M, Simianer H:** 2016. A large X-chromosomal haplotype is associated with small body size of minipigs. Proc. 67<sup>th</sup> Annual Meeting of the European Association for Animal Production, 29.08.-02.09.2016 in Belfast, UK, p. 600.

**Schwarz S:** 2016. Übertragung resistenter Bakterien zwischen Tieren und Menschen. Proc. 13. Kongress für Infektionskrankheiten und Tropenmedizin, 15.-18.06.2016 in Würzburg, p. 36.

**Thomas P, Mühldorfer K, Brombach J, Feßler AT, Schwarz S:** 2016. Characterisation of *Staphylococcus aureus* isolates from wildlife and zoo animals. Proc. Tagung der Deutschen Veterinärmedizinischen Gesellschaft (DVG) Fachgruppe „Bakteriologie und Mykologie“, 31.08.-02.09.2016 in Jena, p. 131.

**Thomas P, Mühldorfer K, Brombach J, Grobbel M., Feßler AT, Schwarz S:** 2016. Analysis of *Staphylococcus aureus* isolates from wildlife and zoo animals. Proc. National Symposium on Zoonoses Research, 13.-14.10.2016 in Berlin, p. 137.

**Tiedemann D, Taylor U, Rehbock C, Jakobi J, Gamrad L, Klein S, Kues W, Barcikowski S, Rath D:** 2016. Porcine gametes and embryos: screening tool for nano-particle-cell-interaction. Proc. 26<sup>th</sup> Annual Conference of the German Society for Cytometry, p. 23.

**Wang Y, Schwarz S, Cai J, Li J, Feßler AT, Zhang R, Li D, Wu C, Shen J:** 2016. Presence of the novel oxazolidinone/phenicol resistance gene *optrA* in *Enterococcus spp.* of human and *Staphylococcus spp.* of animal origin. Proc. 26<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 09.-12.04.2016 in Amsterdam, The Netherlands, O196.