

**Bernal S:** Reproductive Biotechnologies: Tools to improve bovine production. Postgraduate Academic Day, 11.04.2014, Bogota, Colombia.

**Bernal SM, Heinzmann J, Herrmann D, Baulain U, Hadelers 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. 41. Jahrestagung der Arbeitsgemeinschaft Embryotransfer deutschsprachiger Länder (AET-d), 05.-06.06.2015, Longsdorf, Luxembourg.

**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. 40<sup>th</sup> Annual Conference of the International Embryo Transfer Society (IETS), 11.-14.01.2014, Reno, Nevada, USA.

**Erbe M, Cavero D, Weigend A, Weigend S, Pausch H, Preisinger R, Simianer H:** Genomic prediction in laying hens. 14<sup>th</sup> European Poultry Conference, 23.-27.06.2014, Stavanger, Norway. (invited lecture)

**Fellmin M, Weigend S, Elsässer M, Henning M, Ehling C, Tiemann I:** Model and demonstration project - cryopreserve of the chicken. 14<sup>th</sup> European Poultry Conference, 23.-27.06.2014, Stavanger, Norway.

**Ferreira C, Jarmusch AK, Pirro V, Alfaro CM, Gonzalez-Serrano A, Niemann H, Wheeler M, Rathnaweera AC, Rabel J, Hallert E, Houser R, Kaufman A, Cooks G:** Lipid profiling and structural analysis of oocytes, preimplantation, embryos and stem cells by mass spectrometry. SRF Conference und World Congress for Reproductive Biology 2014, 30.08.-04.09.2014, Edinburgh, U.K.

**González Serrano AF, Ferreira CR, Pirro V, Heinzmann J, Hadelers 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. 40<sup>th</sup> Annual Conference of the International Embryo Transfer Society (IETS), 11.-14.01.2014, Reno, Nevada, USA.

**González Serrano AF, Ferreira CR, Pirro V, Lucas-Hahn A, Heinzmann J, Hadelers 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 2014, 02.-04.09.2014, Edinburgh, U.K.

**González-Serrano AF, Ferreira CF, Pirro V, Lucas-Hahn A, Heinzmann J, Hadelers KG, Baulain U, Aldag P, Meyer U, Piechotta M, Jahreis G, Dänicke S, Cooks RG, Niemann H:** Effekte der Fütterungssupplementierung mit pansengeschützten konjugierten Linolsäuren auf die Qualität boviner Eizellen und Embryonen. 41. Jahrestagung der Arbeitsgemeinschaft Embryotransfer deutschsprachiger Länder (AET-d), 05.-06.06.2016, Longsdorf, Luxembourg.

**Groeneveld E:** Database storage of genetic resources ex-situ and in-situ. International Conference "Farm Animal Genetic Resources and Diversity of Animal Characteristics" Institute of Animal Science, Lithuanian University of Health Sciences, 28.-29.05.2014, Baisogala, Lithuania. (invited lecture)

**Groeneveld E, Müller U, Truong CVC, Kostritz S:** QS@breeding – a virtual appliance for quality control in BLUP genetic evaluation. 10<sup>th</sup> World Congress on Genetics Applied to Livestock Production, 17.-22.08.2014, Vancouver, Canada.

**Großmann R:** Reproduction in the chicken. Key Laboratory of Animal Physiology and Biochemistry, Nanjing Agricultural University, 24.11.2014, Nanjing, China.

**Großmann R:** The Arg-Vasotocin-System. College of Veterinary Medicine, Nanjing Agricultural University, 25.11.2014, Najing, China.

**Großmann R:** Regulation of ovarian function in chicken. Shanghai Academy of Agricultural Science, 01.12.2014, Shanghai, China.

**Großmann R:** Development of the neuroendocrine brain. Shanghai Academy of Agricultural Science, 02.12.2014, Shanghai, China.

**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. 41. Jahrestagung der Arbeitsgemeinschaft Embryotransfer deutschsprachiger Länder (AET-d), 05.-06.06.2014, Longsdorf, Luxembourg.

**Heinzmann J, Mattern F, Aldag P, Lucas-Hahn A, Wrenzycki C, Haaf T, Niemann H:** Post-ovulatory ageing influences methylation marks and development in bovine oocytes and early embryos. World Congress of Reproductive Biology 2014, 02.-04.09.2014, Edinburgh, U.K.

**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. 14<sup>th</sup> European Poultry Conference, 23.-27.06.2014, Stavanger, Norway.

**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. 14<sup>th</sup> European Poultry Conference, 23.-27.06.2014, Stavanger, Norway.

**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. 40<sup>th</sup> Annual Conference of the International Embryo Transfer Society (IETS), 11.-14.01.2014, Reno, Nevada, USA.

**Lyimo CM, Weigend A, Eding H, Msoffe PL, Simianer H, Weigend S:** Genetic variations and regional genetic contributions in chicken populations from Europe, Asia and Africa. 14<sup>th</sup> European Poultry Conference, 23.-27.06.2014, Stavanger, Norway.

**Mancini R, Gamrad L, Taylor U, Kues W, Barcikowski S, Rath D:** Specific nanotargeting of Y-chromosome bearing bull spermatozoa. 18<sup>th</sup> Annual Meeting of the European Society of Domestic Animal Reproduction (ESDAR), 18.-21.09.2014, Helsinki, Finland.

**Niemann H:** The impact of genomics on future animal production. Food, Nutrition and Agriculture Genomics Congress, 07.-08.04.2014, London, UK.

**Niemann H:** Will GM farm animals play a role in future food production? Mistra Biotech Symposium "Breeding genetically modified animals for food production", 23.-24.06.2014, Uppsala, Sweden. (invited lecture)

**Niemann H:** Challenges in veterinary medicine: somatic clones, transgenic animals, pluripotent stem cells. French-German Summer School for Promotion of Veterinary Science, 01.-03.07.2014, Nantes, France.

**Niemann H:** Recent advances in biotechnology in farm animals. Yak Kamel Workshop, Institute of Veterinary Science, 22.07.2014, Ulaanbaatar, Mongolei.

**Niemann H:** Recent advances in biotechnology in farm animals. CAAS / Gansu Agricultural University Workshop, 25.07.2014, Lanzhou, China.

**Niemann H:** Epigenetic studies in bovine preimplantation embryos. Cost-Epiconcept Conference 2014, Epigenetics and Periconception Environment, 01.-03.10.2014, Vilamoura, Portugal. (invited lecture)

**Niemann H:** Epigenetic reprogramming and stem cell derivation in domestic species. National Institute Animal Sciences, 29.10.2014, Suwon, South Korea.

**Niemann H:** Epigenetic reprogramming and stem cell derivation in domestic species. Korean Research Institute of Biosciences and Biotechnology, 30.10.2014, Daejon, South Korea.

**Niemann H:** Challenges for reproductive medicine: Pluripotent stem cells, somatic clones & transgenic animals. Seminar, University of Southampton, 27.11.2014, Southampton, U.K.

**Nowak-Imialek M, Lachmann N, Herrmann D, Jacob F, Niemann H:** Identification and characterization of Oct4-EGFP expressing cells in transgenic pig testis. 40<sup>th</sup> Annual Conference of the International Embryo Transfer Society (IETS), 11.01.-14.01.2014, Reno, Nevada, USA.

**Nowak-Imialek M, Lachmann N, Herrmann D, Niemann H:** Identification and characterization of Oct4-EGFP expressing cells in transgenic pig testis. 12<sup>th</sup> Annual Meeting of the International Society of Stem Cell Research (ISSCR), 18.-21.06.2014, Vancouver, Canada.

**Parvizi N:** Stress and reproduction. Vet. Med. University Hisar, 13.10.2014, Hisar, Indien.

**Parvizi N:** Why do lymphocytes produce hormones? Seminar für wiss. Mitarbeiter der Vet. Med. University Hisar, 14.10.2014, Hisar, Indien.

**Parvizi N:** Impact of stress on reproduction. Shanghai Academy of Agricultural Sciences, 03.12.2014, Shanghai, China.

**Petersen B:** Recent advances in the production of multi-transgenic pigs for xenotransplantation. National Institute Animal Sciences, 29.10.2014, Suwon, South Korea.

**Petersen B:** Recent advances in the production of multi-transgenic pigs for xenotransplantation. Korean Research Institute of Biosciences and Biotechnology, 30.10.2014, Daejon, South Korea.

**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. Swine Biomedical Research Conference, 06.-08.07.2014, Raleigh, NC, USA.

**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. International Society of Transgenic Technologies Conference, 06.-08.10.2014, Edinburgh, Scotland, U.K.

**Petersen B, Frenzel A, Mussmann C, Klein S, Niemann H:** Highly efficient biallelic knockout of the porcine GGTA1 by using CRISPR/Cas9. International Society of Transgenic Technologies Conference, 06.-08.10.2014, Edinburgh, Scotland, U.K.

**Petkov S, Niemann H:** Small molecule inhibitors PD0325901 and CHIR99021 cause reduced expression of pluripotency genes in putative porcine induced pluripotent stem cells. 40<sup>th</sup> Annual Conference of the International Embryo Transfer Society (IETS), 11.-14.01.2014, Reno, Nevada, USA.

**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 nanotoxicological assays. 15<sup>th</sup> International Symposium on Laser Precision Microfabrication (LMP2014), 17.-20.06.2014, Vilnius, Litauen.

**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. Conference “Colloidal Nanoparticles for Biomedical Applications IX”, SPIE, 01.-02.04.2014, San Fransisco, CA, USA.

**Reimer CHUW, Rubin CJ, Weigend S, Waldmann KH, Distl O, Simianer H:** The minipig genome harbors regions of selection for growth. 10<sup>th</sup> World Congress on Genetics Applied to Livestock Production, 17.-22.08.2014, Vancouver, Canada.

**Schütt RO, Knorr C, Rath D:** Effect of small volume freezing methods on bovine semen quality. 18<sup>th</sup> Annual Meeting of the European Society of Domestic Animal Reproduction (ESDAR), 18.-21.09.2014, Helsinki, Finland.

**Schwarz S:** Antimicrobial susceptibility testing of bacteria - Methodology and applications. Chinese Agricultural University, 10.04.2014, Beijing, China. (invited lecture)

**Schwarz S:** Antimicrobial susceptibility of bacteria - Methodology and applications. University of Copenhagen, 18.-19.03.2014, Copenhagen, Denmark. (invited lecture)

**Sharifi AR, Zhang Y, Weigend S, Weigend A, Preisinger R, Schmutz M, Roemisch-Margl L, Jonczyk R, Gülersön MC, Piepho HP, Malik WA, Sitzenstock F, Simianer H:** Association between metabolites in egg yolk and hatchability traits in laying hens. 10<sup>th</sup> World Congress on Genetics Applied to Livestock Production, 17.-22.08.2014, Vancouver, Canada.

**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 2014, 02.-04.09.2014, Edinburgh, U.K.

**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. 18<sup>th</sup> Annual Meeting of the European Society of Domestic Animal Reproduction (ESDAR), 18.-21.09.2014, Helsinki, Finland.

**Tiedemann D, Taylor U, Rehbock C, Jakobi 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. ANGEL2014 Conference (Advanced Nanoparticle Generation and Excitation by Laser in Liquids), 19.-21.05.2014, Matsuyama, Japan.

**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. 14<sup>th</sup> European Poultry Conference, 23.-27.06.2014, Stavanger, Norway. (invited lecture)

**Weigend S, Janßen-Tapken U, Erbe M, Baulain U, Weigend A, Sölkner J, Simianer H:** The Synbreed Chicken Diversity Panel – a resource for fine scale diversity studies. ISAG-FAO Workshop on Animal Genetic Diversity. The 34<sup>th</sup> International Society for Animal Genetics Conference, XI'AN, 27.07.-01.08.2014, China. (invited lecture)

**Wendlandt S, Feßler AT, Kadlec K, Schwarz S:** Novel antimicrobial resistance genes in staphylococci. Chinese Agricultural University, 11.04.2014, Beijing, China. (invited lecture)

**Wendlandt S, Feßler AT, Kadlec K, Schwarz S:** Novel antimicrobial resistance genes in staphylococci. UCD seminar “Antimicrobial Resistance: A Whole Food Chain Approach”, 16.12.2014, Dublin, Ireland.