

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

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

**Bernal SM, Lucas-Hahn A, Aldag P, Baulain U, Hadelers KG, Herrmann D, Niemann H:** Pre-in vitro maturation with caffeine increases embryo survival after vitrification. Proc. 49. Jahrestagung "Physiologie und Pathologie der Fortpflanzung 2016", 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:** Efficient edition of the bovine PRNP prion gene in somatic cells and IVF embryos using the clustered regularly interspaced short palindromic repeats (CRISPR)/Cas9 system. *Reprod Fertil Dev* 28, 253-254.

**Burchardt, Lucas-Hahn A, Hassel P, Ziegler M, Neuhaus G, Wunderlich S, Petkov S, Martin U, Niemann H:** Towards optimal in vitro culture conditions for pig-monkey aggregation chimeras. *Reprod Fertil Dev* 28, 180-181.

**Fellmin M, Weigend S, Henning M, Ehling C, Weigend A, Lyimo C, Tiemann I:** Cryopreservation and characteristics of traditional old chicken breeds in Germany. Proc. XXV World's Poultry congress, 05.-09.09.2016, Beijing, P.R. China, S2-0114, p. 295.

**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:** Highly efficient sleeping beauty transposon-mediated transgenesis in bovine fetal fibroblasts. *Reprod Fertil Dev* 28, 253.

**Kordowitzki P, Bernal SM, Herrmann D, Aldag P, Niemann H:** Resveratrol supplementation during in vitro maturation and fertilization enhances developmental competence of bovine oocytes. *Reprod Fertil Dev* 28, 230.

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

**Lauzana E, Haber C, Kahle E, Köhler P, Lamadé W:** „Weepy Nerve“ - Unterschiedliche Empfindlichkeit des linken und rechten Nervus laryngeus recurrens bei Zugbelastung im Schweinemodell. Proc. 15. Jahrestagung der Deutschen Gesellschaft für Computer- und Roboterassistierte Chirurgie (CURAC2016), pp. 3-4.

**Liu Y, Lucas-Hahn A, Petersen B, Li R, Herrmann D, Hassel P, Ziegler M, Li J, Larsen K, Niemann H, Callesen H:** Developmental patterns of porcine embryos produced by two cloning methods with or without in vitro culture. *Reprod Fertil Dev* 28, 137.

**Mall EM, Burchardt B, Herrmann D, Niemann H:** Analysis of the FOXG1 knockout phenotype in murine iPSC using SFEBQ differentiation. Abstract Book of the ISSCR 2016 Annual Meeting, p. 61

**Niemann H:** Gene editing and beyond: The future of genetically engineered livestock. 49. Jahrestagung "Physiologie und Pathologie der Fortpflanzung" vom 10.-12.02.2016 in Leipzig. Proc. DVG Verlag Gießen, p. 19.

**Niemann H:** Gene editing and beyond: the future of genetically engineered livestock. Proc. EFSA Scientific Colloquium N° 22, 14.-15.06.2016, Valencia, Spain, p. 6.

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

**Nowak-Imialek M, Wunderlich S, Herrmann D, Klein S, Baulain U, Lucas-Hahn A, Petkov S, Mall E, Petersen B, Martin U, Niemann H:** Generation of interspecies chimeras between primate induced pluripotent stem cells and porcine parthenogenetic embryos. *Reprod Fertil Dev* 28, 243.

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

**Ulloa SMB, Heinzmann J, Herrmann D, Baulain U, Hadelers KG, Aldag P, Lucas-Hahn A, Niemann H:** Effects of pre-in vitro maturation with caffeine on bovine oocyte developmental capacity. *Reprod Fertil Dev* 28, 229-230.