

**Behr B, Rath D, Hildebrandt TB, Goeritz F, Blottner S, Portas TJ, Bryant BR, Sieg B, Knieriem A, de Graaf SP, Maxwell WMC, Hermes R:** Germany/Australia index of sperm sex sortability in elephants and rhinoceros. *Reprod Dom Anim* 44, 273-277

**Blockeel C, Mock P, Verheyen G, Bouche N, Goff Ph Le, Heyman Y, Wrenzycki C, Höffmann K, Niemann H, Haentjes P, de Los Santos MJ, Fernandez-Sanchez M, Velasco M, Aebischer P, Devroey P, Simon C:** An in vivo culture system for human embryos using an encapsulation technology: a pilot study. *Hum Reprod* 24, 790-796

**Coy P, Gadea J, Rath D, Hunter RHF:** Differing sperm ability to penetrate the oocyte in vivo and in vitro as revealed using colloidal preparations. *Theriogenology* 72, 1171-1179

**Dieckhoff B, Kessler B, Jobst D, Kues W, Petersen B, Pfeifer A, Kurth R, Niemann H, Wolf E, Denner J:** Distribution and expression of porcine endogenous retroviruses in multi-transgenic pigs generated for xenotransplantation. *Xenotransplantation* 16, 64-73

**Fritscher-Ravens A, Cuming T, Jacobsen B, Seehusen F, Ghanbari A, Kahle E, v Herbay A, Köhler P, Milla P:** Feasibility and safety of endoscopic full-thickness esophageal wall resection and defect closure: a prospective long-term survival animal study. *Gastrointestinal Endoscopy* 69, 1314-1320

**Gebert C, Wrenzycki C, Herrmann D, Gröger D, Thiel J, Reinhardt R, Lehrach H, Hajkova P, Lucas-Hahn A, Carnwath CW, Niemann H:** DNA methylation in the IGF2 intragenic DMR is re-established in a sex-specific manner in bovine blastocysts after somatic cloning. *Genomics* 94, 63-69

**Hermes R, Behr B, Hildebrandt TB, Blottner S, Sieg B, Frenzel A, Knieriem A, Saragusty J, Rath D:** Sperm sex-sorting in the Asian elephant (*Elephas maximus*). *Anim Reprod Sci* 112, 390-396

**Hochberger J, Kruse E, Köhler P, Bürrig K-F, Menke D:** Diagnostische und interventionelle Endoskopie in der Gastroenterologie - Von „High-resolution-Chips“ über endoskopische Resektionsverfahren zu NOTES. *HNO* 57, 1237-1252

**Honnens A, Niemann H, Herzog K, Paul V, Meyer HHD, Bollwein H:** Relationship between ovarian blood flow and ovarian response to eCG-treatment of dairy cows. *Anim Reprod Sci* 113, 1-10

**Iqbal K, Barg-Kues B, Broll S, Bode J, Niemann H, Kues WA:** Cytoplasmic injection of circular plasmids allows targeted expression in mammalian embryos. *Biotechniques* 47, 959-968

**Klíma J, Lacina L, Dvořáková B, Herrmann D, Carnwath JW, Niemann H, Kaltner H, André S, Motlík J, Gabius HJ, Smetana K Jr:** Differential regulation of galectin expression/reactivity during wound healing in porcine skin and in cultures of epidermal cells with functional impact on migration. *Physiol Res* 58, 873-884

**Kues WA. 2009:** Switching Cell Fate: New Routes for Livestock Stem Cells. *Trends Dev Biol* 4, 49-58

**Oropeza M, Petersen B, Carnwath JW, Lucas-Hahn A, Lemme E, Hassel P, Herrmann D, Barg-Kues B, Holler S, Queisser AL, Schwinzer R, Hinkel R, Kupatt C, Niemann H:** Transgenic expression of the human A20 gene in cloned pigs provides protection against apoptotic and inflammatory stimuli. *Xenotransplantation* 16, 522-534.

**Østrup O, Petrovicova I, Strejcek F, Morovic M, Lucas-Hahn A, Lemme E, Petersen B, Niemann H, Laurincik J, Maddox-Hytte P:** Nuclear and nucleolar reprogramming during the first cell cycle in bovine nuclear transfer embryos. *Cloning Stem Cells* 11, 367-375

**Petersen B, Carnwath JW, Niemann H:** The perspectives for porcine-to-human xenografts. *Comp Immunol Microbiol Infect Dis* 32, 91-105

**Petersen B, Ramackers W, Tiede A, Lucas-Hahn A, Herrmann D, Barg-Kues B, Schuettler W, Friedrich L, Schwinzer R, Winkler M, Niemann H:** Pigs transgenic for human thrombomodulin have elevated production of activated protein C. *Xenotransplantation* 16, 486-495

**Racedo SE, Branzini MC, Salamone D, Wójcik C, Rawe VY, Niemann H:** Dynamics of microtubules, motor proteins and 20S proteasomes during bovine oocyte IVM. *Reprod Fertil Dev* 21, 304-312

**Racedo SE, Wrenzycki C, Lepikhov K, Salamone D, Walter J, Niemann H:** Epigenetic modifications and related mRNA expression during bovine oocyte in vitro maturation. *Reprod Fertil Dev* 21, 738-748

**Rath D, Bathgate R, Rodriguez-Martinez H, Roca J, Strzezek J, Waberski D:** Recent advances in boar semen cryopreservation. *Soc Reprod Fertil* 66 (Suppl), 51-66

**Rath D, Moench-Tegeder G, Taylor U, Johnson LA:** Improved quality of sex-sorted sperm: A prerequisite for wider commercial application. *Theriogenology* 71 22-29

**Revay T, Kopp C, Flyckt A, Taponen J, Ijäs R, Nagy S, Kovacs A, Rens W, Rath D, Hidas A, Taylor JF, Andersson M:** Diploid spermatozoa caused by failure of the second meiotic division in a bull. *Theriogenology*, doi: 10.1016/j.theriogenology.2009.09.025.

**Setiadi MA, Trumpp M, Rath D, Meinecke B:** Elevated histone H1 (MPF) and mitogen-activated protein kinase activities in pig oocytes following in vitro maturation do not indicate cytoplasmic maturation. *Reprod Dom Anim* 44, 235-240

**Taylor U, Schuberth HJ, Rath D, Michelmann HW, Sauter-Louis C, Zerbe H:** Influence of inseminate components on porcine leukocyte migration in vitro and in vivo after pre- and postovulatory insemination. *Reprod Dom Anim* 44, 180-188

**Velazquez MA, Parrilla I, Van Soom A, Verberckmoes S, Kues W, Niemann H:** Sampling techniques for oviductal and uterine luminal fluid in cattle. *Theriogenology* doi:10.1016/j.theriogenology.2009.07.004

**Velazquez MA, Zaraza J, Oropeza A, Webb R, Niemann H:** The role of IGF1 in the in vivo production of bovine embryos from superovulated donors. *Reproduction* 137, 161-180