



58. Jahrestagung Physiologie und Pathologie der Fortpflanzung, gleichzeitig 50. Vet.-Hum.med. Gemeinschaftstagung 2025



Quelle: ChatGPT KI Bild

26. bis 28. Februar 2025 | Leipzig



58. Jahrestagung Physiologie und Pathologie der Fortpflanzung – gleichzeitig 50. Vet.-Hum.med. Gemeinschaftstagung 2025

26. - 28.02.2025 – Leipzig

Mittwoch, 26.02.2025

- 09:00 Workshop
- 18:00 - 19:00 Mitgliederversammlung der DVG-Fachgruppe Reproduktionsmedizin
- 19:00 Begrüßungsabend (mit Begrüßungssnack, Posterslam und Impulsreferaten)
- 20:15 - 22:00 Abendessen



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Donnerstag, 27.02.2025

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08:30 - 09:00 Registrierung

09:00 - 09:15 Begrüßung *Wissenschaftliche Leitung / DVG / Dekan*

Klinische Reproduktionsmedizin

09:15 - 09:45 Current international trends in dairy cow fertility – from decline to recovery?
John Mee, Ireland

09:45 - 10:00 Common ethics issues of the application of fertility preservation technologies in different user groups
Silviya Aleksandrova-Yankulovska, Ulm

10:00 - 10:15 Transrectal ultrasound in dairy cows: Do hyperechogenic endometrial areas affect reproductive performance and cytological findings?
Virginia Knop, Bernau

10:15 - 10:30 Optimizing the voluntary waiting period of dairy cows: effect of gynecological health combined with milk yield on days open
Luisa Gruner, Bernau

10:30 - 10:45 Effect of heat stress on the proportion of polymorphonuclear neutrophils and the microbial growth in the uterus of postpartum dairy cows
Tina Leitner, Wien (A)

10:45 - 11:15 Kaffeepause

Andrologie

11:15 - 11:45 Evaluation of bull fertility. Functional and molecular approaches
Heinrich Bollwein, Zürich (CH)

11:45 - 12:00 How to train your Artificial Intelligence system for morphological assessment of spermatozoa in routine bull semen analysis: preliminary results
Francesca Corte Pause, Udine (I)

12:00 - 12:15 Optimizing boar semen temperature management prior to cryopreservation
Kim Joline Röhrich, Göttingen

12:15 - 12:30 Photodynamic inactivation reduces bacterial load in boar semen doses
Anne-Marie Luther, Hannover

12:30 - 12:45 Studies on the topographical anatomy of the spermatic cord of the raccoon (*Procyon lotor*)
Victoria Kichmann, Gießen

12:45 - 13:45 Mittagessen

13:45 - 14:45 Postersession *Poster Nr. 1 - 37*



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Donnerstag, 27.02.2025 – Fortsetzung

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Translationale Forschung

- 14:45 - 15:15 **Keynote:** Kaiserschnitt und Hysterektomie am Schafmodell – Lehren aus vier Jahren Tierversuch *Thorsten Braun & Alexander Paping, Berlin*
- 15:15 - 15:30 The biomechanical properties of the pregnant vs. non-pregnant ovine uterus
Alexander Paping, Berlin
- 15:30 - 15:45 The ovine uterus as a translational model for the study of cesarean delivery scars
Alexander Paping, Berlin
- 15:45 - 16:00 The Dummerstorf high-fertility mouse line 1 – a worldwide unique model for increased female reproductive performance *Caroline Ludwig, Dummerstorf*

16:00 - 16:25 **Kaffepause**

Milchdrüse

- 16:25 - 16:40 Selective dry cow treatment - simple and safe with “MastiSelekt” *Anne Klassen, Jena*
- 16:40 - 16:55 Punctual differences in differential milk cell count, milk parameters and vaginal temperature between cows with diverging haplotypes after intramammary *Staphylococcus aureus* challenge *Katharina Müller-Langhans, München*
- 16:55 - 17:10 Effect of timing of milk sampling on the results of the bacteriological and cytological milk examination in Holstein Frisian cows *Lilly Bittner-Schwerda, Leipzig*

FBF Session

- 17:10 - 17:25 Improvement of quality and fertility of cryopreserved bull semen through an innovative buffer system *Scarlet Dragos, Zürich (CH)*
- 17:25 - 17:40 Long-term storage of liquid-preserved bovine semen: Effects of new cooling protocols and holding temperatures on sperm quality *Marie Luise Neubert, Bernau*
- 17:40 - 17:55 Antibiotic-free storage of boar semen results in high sperm quality and fertility
Florian Reckinger, Hannover
- 17:55 - 18:10 *Serratia* species affects the quality of preserved boar semen based on the total bacterial count, but not the duration of storage *Anne Marie Luther, Hannover*

19:30 Gesellschaftsabend



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Freitag, 28.02.2025

Molekulare Reproduktionsmedizin

- 09:00 - 09:30 Biotechnologie 2.0 - Anwendung (auch) in der Praxis *Christine Wrenzycki, Gießen*
- 09:30 - 09:45 Single-cell transcriptomics reveals distinct cellular and molecular changes associated with the regression of bovine corpus luteum *Vijay Simha Baddela*
- 09:45 - 10:00 Detrimental effects of 100 nm polystyrene particles could be observed in bovine granulosa cells accumulating particles in vitro *Anja Baufeld, Dummerstorf*
- 10:00 - 10:15 Targeted Stabilization of Hypoxia-Inducible Factor (HIF) 1 α During In Vitro Maturation of Bovine Cumulus-Oocyte Complexes Increases IVF outcomes *Martina Gübeli, Zürich (CH)*
- 10:15 - 10:30 Placental extracellular vesicles as messengers in revealing transplacental transfer of maternal cells *Isabell Graf, Hamburg*

10:30 - 11:00 **Kaffepause**

DGRM Jubiläumssession

- 11:00 - 11:20 Einfluss des Klimawandels auf die Reproduktion beim Nutztier *Jens Vanselow, Dummerstorf*
- 11:20 - 11:40 Hitze und Frühgeburtslichkeit *Petre Arck, Hamburg*
- 11:40 - 12:00 Anthropogener Einfluss auf den Reproduktionserfolg bei Wildtieren *Ursula Siebert, Hannover*
- 12:00 - 12:20 Umweltimmunologie und reproduktive Gesundheit des Menschen
Ana Zenclussen, Leipzig

12:20 - 13:10 **Mittagessen**

13:10 - 14:10 **Postersession** *Poster Nr. 38 -75*

DGRM Session

- 14:10 - 14:25 Characterisation of primary mesenchymal stem / stromal cells (ASCs) isolated from subcutaneous adipose tissue of the APOE-knockout rabbit *Fridtjof Seiffert, Halle*
- 14:25 - 14:40 Oxygen Depletion and HIF1 α Regulate Steroidogenesis in Granulosa Cells by Affecting Significant Players in Cholesterol Provision: A Multi-Omics Approach *Olivia Smith, Zürich (CH)*
- 14:40 - 14:55 Prenatal stress leads to a sex-specific modulation of the immune response during an influenza infection in adolescent mice *Christopher Urbschat, Hamburg*

14:55 - 15:05 **Preisverleihung**

15:05 **Abschluss**



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Poster

- 1 Cryopreservation of epididymal domestic cat sperm: Influence of sperm count in a commercial and a self-made extender *Karin Müller*
- 2 The influence of AFP III on the cryopreservation of canine sperm *Abbas Farshad*
- 3 Impact of MitoQ on canine sperm cryopreservation *Abbas Farshad*
- 4 Developing an AI-driven system for boar sperm morphology assessment *Katerina Marcollova*
- 5 Regional differences of (induced) vas deferens contractility and its implications for sperm propulsion; Regionale Unterschiede der (induzierten) Kontraktionen des Ductus deferens und deren Bedeutung für den Spermientransport *Beatrix Bester*
- 6 Characterization of multilamellar structures in the seminiferous tubule of wild-type mice and mice with a transgenic Sertoli cell specific connexin43 knockout (SCCx43KO) *Nanne Marie Fischer*
- 7 Sperm functional status: A multiparametric assessment of the fertilizing potential of bovine sperm *Eleni Malama*
- 8 Inter- and intra-individual variability of motility and DNA fragmentation of boar sperm *Anna-Christina Ochs*
- 9 Preservation of old domestic pig breeds through bilateral exchange with the national cryoreserve *Andreas Vernunft*
- 10 Relationships between metabolism of cryopreserved equine determined by the Seahorse Analyzer and sperm characteristics measured by flow cytometry and computer assisted analysis of motility *Heiner Bollwein*
- 11 Vascularisation in testicular germ cell tumours - high endothelial venules and their significance for tumour development *Nina Ihring*
- 12 Semen quality evaluation of boars with low and high genetic reproductive potential: a multiparametric approach *Muhammad Umair Khan*
- 13 Role of rare T cell subtypes in human testicular germ cell tumors *Pia Holtkamp*
- 14 The effects of GnRH agonist slow-release implants on Sertoli cell dynamics in male dogs *Anastasiia Vasetska*
- 15 How the epididymis helps the uterus-Development of a promising biosensor model for drug testing *Carla Lacher*
- 16 Altered activity of the HPG axis and prolonged lifetime fertility in superfertile Dummerstorf mouse lines *Joachim Weitzel*
- 17 Lesson learnt – A disturbed pregnancy with good outcome and frustrating insights *Marie Sophie Greiling-Mackert*



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- 18 Doppler could be a detrimental tool to detect the viability of the fetus in female dromedary afflicted with high degree, post-cervical uterine torsion *Derar Derar*
- 19 Fallbericht: Ein seltener Fall einer Uterustorsion bei einer Hündin in der ersten Trächtigkeitshälfte *Emily Loch*
- 20 Mastectomy in a seven-year-old White Alpine sheep with inappropriate lactation syndrome *Johannes Lüttgenau*
- 21 Granulosa cell tumors in two Holstein Friesian cows – a case report *Britta Risch*
- 22 Laparoscopic cryptorchidectomy in a Holstein Friesian Bull – a Case Report *Anika Korte*
- 23 Hydrops of fetal membranes and conjoined twins in an Ouessant ewe *Simone Tamara Schabmeyer*
- 24 Relevance of diseases and imaging of the thymus in canine neonates *Emilia Diel*
- 25 Computed tomographic dynamics of the abomasum in newborn calves taking milk and feed intake into account *Sait Sendag*
- 26 Use of a CPAP (Continuous Positive Airway Pressure) helmet in a premature calf with respiratory distress syndrome *Doreen Zoller*
- 27 Effects of low-dosage iron dextran injections on selected hematological blood parameters in neonatal calves *Marlene Sickinger*
- 28 Does the polled intersexuality syndrome (PIS) also affect genetically male goats? *Katja Hartmann*
- 29 Treatment with a deslorelin slow-release implant influences the expression of androgen receptor and prostaglandin-pathway in the canine epididymis / Die Behandlung mit einem Deslorelin slow-release Implantat beeinflusst die Expression des Androgen-Rezeptors und des Prostaglandin-Pathways im caninen Nebenhoden *Henriette Greiner*
- 30 Evaluation of three protocols for ovulation synchronization and timed insemination in Arabian mares Evaluierung von drei Protokollen zur Ovulationssynchronisation und zeitgesteuerten Besamung bei arabischen Stuten *Derar Derar*
- 31 Fertility indices of dromedary camels in Saudi Arabia *Ahmed Ali*
- 32 Veränderungen in der Häufigkeit des Anöstrus und seiner klinischen Formen während der letzten zwei Jahrzehnte bei Milchkühen in der nordöstlichen Region Polens *Wojciech Barański*
- 33 Factors affecting endometrial thickness and relationships between endometrial thickness and fertility in dairy cows *Heiner Bollwein*
- 34 Video surveillance and artificial intelligence in ovine parturition management *Vera Gebhard*
- 35 Verification of a fertility classification system for predicting the fertility of thoroughbred mares *Sait Sendag*



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- 36 Overview of the blood laboratory parameters determined in feline dystocia: a retrospective analysis
Sait Sendag
- 37 Associations between inflammatory processes in the uterus and oviduct in postpartum dairy cows
Edith Maria Habich
- 38 Evaluation of macroscopic parameters and the influence on the reproductive cycle of the urogenital tract in slaughtered sows
Philipp Thomas Egli
- 39 Pathohistologische Befunde an bilateral entfernten Ovarien von Stuten mit Verhaltensauffälligkeiten
Tanja Witte
- 40 Bovine congenital defects diagnosed in the Irish national veterinary laboratory service (2020-2024)
Mary Ryan
- 41 Use of morphometry to estimate dairy bovine foetal age at abortion and stillbirth
Paulina Jawor
- 42 Calving management of farm veterinarians compared to private veterinarians
P. Erden
- 43 Diagnosis of *Neospora caninum* in a low prevalence bovine foetal population using three diagnostic techniques
Maria Hayes
- 44 Antimicrobial use in the breeding management of the bitch: A cross-sectional study of German veterinarians
Alicia Rojahn
- 45 Auswirkungen von Fruchtbarkeitsbehandlungen auf das Schwangerschaftsergebnis und langfristige gesundheitliche Folgen für Eltern und Kinder
Noura Kabbani
- 46 Forschungsprojekte innerhalb des neuen vom BMBF-geförderten interdisziplinäres Nachwuchsforscherzentrum für Fertilitätsprotektion in Ulm (FePro-Ulm)
Karin Bundschu
- 47 Extended focus imaging of in vitro produced bovine embryos – preliminary data
Ann-Selina Fries
- 48 Autophagy's Role in Mouse Preimplantation Embryo Development
Anne Quyen Nguyen
- 49 The endocrine profile of the mare at the time of oocyte collection can affect the outcome of OPU-ICSI
Dragos Scarlet
- 50 The impact of non-esterified fatty acids on oxidative stress of bovine oocytes
Juliana Torriani Maciel
- 51 Canine decidual cells communicate through Extracellular Vesicles (EVs) containing factors involved in trophoblast invasion
Jasmin Galli
- 52 Single cell RNA sequencing from testes of conditional Sertoli-cell specific Connexin 43 Knockout mice
Sarah Gniesmer
- 53 Generation of bovine placental allantochorionic cell lines via SV40 large TAG transfection or lentiviral libraries with multiple, non-SV40-related transgenes
Jan-Dirk Häger



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- 54 The Expression of Osteopontin in bovine endometrial gland cells (BEGC) is regulated by Estrogen in vitro *Julia Hollenbach*
- 55 High concentrations of interferon-tau (IFN τ) influence the expression of epithelial cell markers in bovine caruncular epithelial cells (BCEC) in vitro *Katharina Böse*
- 56 Comparison of the steroidogenic activity of spheroids derived by luteinisation of different antral follicle cell types and mixtures of the domestic cat / Vergleich der steroidogenen Aktivität von Sphäroiden, die durch Luteinisierung verschiedener Antralfollikel-Zelltypen und -Zelmischungen der Hauskatze gewonnen wurden *Beate Braun*
- 57 Comparison of RNA- versus DNA-based 16S rRNA V3-4 amplicon sequencing for the analysis of the low biomass bacterial microbiome in the equine uterus *Antonia Isabelle Dyroff*
- 58 Transcriptomics of outgrowing cells from bovine embryos in feeder cell culture *Lars Luhr*
- 59 Ageing of adipose stem cells is mediated by AMPK/SIRT1 signalling pathway. Das Altern von Fettstammzellen wird durch den AMPK/SIRT1-Signalweg beeinflusst *Silvia Leticia Monge Rodríguez*
- 60 Characterization of intratubular cell agglomerates in transgenic mice with a Sertoli cell-specific Connexin43 knockout (SCCx43KO) *Anna Skeries*
- 61 Characterization of mitochondrial miRNAs (mitomiRs) in bovine granulosa cells *Xuelian Tao*
- 62 Are selected markers of cell growth arrest present in bovine placenta? Gibt es in der Rinderplazenta ausgewählte Marker für den Zellzyklus-Arrest? *Marta Kankofer*
- 63 Effect of heat stress on the mRNA expression in the corpus luteum of dairy cows *Muhittin Tekin*
- 64 *entfällt*
- 65 Isolation and characterization of novel lytic Escherichia coli bacteriophage Tig2B *Jan Twardon*
- 66 Clinical and hormonal characterization of pseudopregnancy in camels *Ahmed Ali*
- 67 Modulation of Uterine Responses in Dogs: The Divergent Effects of Semen and Embryo Signals *Kudzaishe Adwell Mushati*
- 68 Primary uterine inertia (PUI) in dogs is associated with impaired placental availability of factors involved in the parturition cascade *Mariusz Kowalewski*
- 69 Influence of glycemia on farrowing characteristics in a free farrowing system *Philipp Thomas Egli*
- 70 Cholesterol, Proximate And Fatty Acid Contents of Anatolian Buffalo Milk at Various Lactation stages *Funda Eski*
- 71 The effect of body condition score on oxidative stress and milk quality in healthy Anatolian buffaloes *Funda Eski*



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- 72 Reproduction of free-ranging European wildcats (*Felis silvestris*) in Germany: samples of animals found dead are valuable sources of information / Reproduktion freilebender Europäischer Wildkatzen (*Felis silvestris*) in Deutschland: tiefgefrorene Proben von Totfunden sind wertvolle Informationsquellen *Jennifer Schön*
- 73 Differences in the triacylglycerol composition of epididymal fat tissue between mammalian species *Tatjana Groth*
- 74 AMH blood concentration in intact and neutered male llamas *Sait Sendag*
- 75 Stillbirth reduces milk production in dairy cows: Evidence from five Eastern German dairy farms *Fanny Rachidi*