

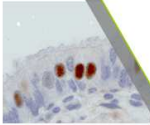
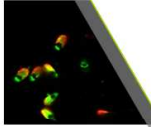
45. Jahrestagung

Physiologie und Pathologie der Fortpflanzung

37. Veterinär-Humanmedizinische
Gemeinschaftstagung

1. Deutsch-Polnische
Gemeinschaftstagung

29.02.-02.03.2012 in Berlin



Programm / Program

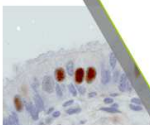
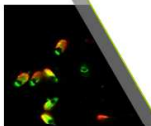
45th Annual Conference of

Physiology and Pathology of Reproduction

37th Joint Conference on Veterinary and
Human Reproductive Medicine

1st Joint German-Polish Conference
on Reproductive Medicine

29.02.-02.03.2012 in Berlin



Trägersgesellschaften:

Deutsche Gesellschaft für Endokrinologie (DGE)

Deutsche Gesellschaft für Reproduktionsmedizin (DGRM)

Deutsche Veterinärmedizinische Gesellschaft (DVG), FG „Fortpflanzung und ihre Störungen“

Polish Society for Biology of Reproduction

Deutsche Gesellschaft für Züchtungskunde (DGfZ)

Lokale Organisation:

Kompetenzverbund **ReproTier**

Fachbereich Veterinärmedizin, Freie Universität Berlin

Leibniz-Institut für Zoo- und Wildtierforschung (IZW)

Leibniz-Institut für Nutztierbiologie (FBN)

Institut für Fortpflanzung landwirtschaftlicher Nutztiere Schönow e.V. (IFN)

Wissenschaftliche Koordination:

Dr. Jennifer Schön, Prof. Dr. Dr. Ralf Einspanier

Organisation Tagungsbüro:

Anja Matys

Veranstaltungsort:

Bundesinstitut für Risikobewertung

Diedersdorfer Weg 1

D - 12277 Berlin

Danksagung:

Wir danken dem Bundesinstitut für Risikobewertung und seinen Mitarbeitern für die Bereitstellung der Räumlichkeiten und für die technische Unterstützung der Tagung!

Allgemeine Hinweise / General Informations

Wo finde ich was? Where can I find...

| | |
|------------------------------------|--|
| Hauptveranstaltung / Key Lectures: | Hörsaal / Lecture Hall |
| Kurzvorträge / Oral Presentations | Hörsaal / Lecture Hall |
| Seminare / Seminars: | Raum D 146 / Seminar Room 2 nd Floor |
| Postersessions: | Foyer 1. OG / Foyer 2 nd Floor |
| Tagungsbüro/ Congress Office: | Empfangshalle, EG / Lobby |
| Kantine des BfR / Canteen: | Auf dem Gelände, gegenüber dem Tagungsgebäude / directly across from the conference site |

Abgabe der Präsentationen / How to deal with the presentations

Wir bitten Sie Ihre Präsentation spätestens 1h vor Beginn Ihrer Session im Tagungsbüro abzugeben! / Please hand in your presentation at the Congress Office (latest) 1 h before your session starts!

Posterpräsentation / Poster presentations

Wir bitten Sie, während der ersten 30min Ihrer Postersession (Zuordnung siehe Programmheft) an Ihrem Poster für Fragen und Diskussionen zur Verfügung zu stehen. / Please be present for questions and discussions at your poster during the first 30 minutes of the postersession with your topic.

ATF-Anerkennung / Anerkennung Ärztekammer Berlin:

Auf Wunsch wird Ihnen für die Veranstaltung eine ATF-Anerkennung gem. §§ 10,12 der Statuten mit 13 Stunden ausgestellt. Die Veranstaltung wird von der Ärztekammer Berlin für die ärztliche Fortbildung mit 12 Punkten zertifiziert.

Bitte wenden Sie sich an unsere Mitarbeiter an der Registrierung!

Programmübersicht / Short Program Schedule

Donnerstag / Thursday, 01.03.2012

| Zeit / Time | Veranstaltung / Event | Raum / Location |
|---|--|--|
| 08:30 - 09:00 | Eröffnung und Begrüßung / Welcome address | Hörsaal / Lecture Hall |
| 09:00 - 09:45 | Hauptvortrag I / Key Lecture I (Skarzynski, Polish Academy of Sciences) | Hörsaal / Lecture Hall |
| <i>Kaffeepause / Coffee Break (Foyer, 1. OG + Empfangshalle EG)</i> | | |
| 10:15 - 11:45 | Kurzvorträge / Oral Presentations Physiologie und Pathologie des Uterus / Physiology and Pathology of the Uterus | Hörsaal / Lecture Hall |
| Zeitgleich / At the same time 10:15 - 11:45 | Seminar 1 Förderverein Biotechnologieforschung (FBF) | Raum D 146 / Seminar Room 2 nd Floor |
| 11:45 - 13:15 | Postersession I | Foyer 1. OG / Foyer 2 nd Floor |
| <i>Mittagspause / Lunch Break</i> | | |
| 14:30 - 15:15 | Hauptvortrag II / Key Lecture II (Schellander, Hölker, Universität Bonn) | Hörsaal / Lecture Hall |
| 15:15 - 16:45 | Kurzvorträge / Oral Presentations Genotyp-Phänotyp-Beziehung Genotype-Phenotype-Relation | Hörsaal / Lecture Hall |
| Zeitgleich / At the same time 15:15 - 16:45 | Seminar 2 Diagnostik / Diagnostics | Raum D 146 / Seminar Room 2 nd Floor |
| 16:45 - 18:15 | Postersession II + Coffee Break | Foyer 1. OG / Foyer 2 nd Floor |
| 18:15 - 19:00 | Verleihung der DGRM-Preise + Vorträge der Preisträger / DGRM Award + Oral Presentations of the Prize Winners | Hörsaal / Lecture Hall |
| ab 19.00 | Gesellschaftsabend / Conference Dinner | Kantine BfR / Canteen |

Freitag / Friday, 02.03.2012

| Zeit / Time | Veranstaltung / Event | Raum / Location |
|---|---|--|
| 09:00 - 10:00 | Podiumsdiskussion / Panel Discussion 35 Jahre IVF - Perspektiven und Grenzen 35 years IVF- Perspectives and Challenges Jewgenow, IZW Berlin Krüssel, Universitätsklinikum Düsseldorf Wrenzycki, TiHo Hannover Moderation: Beckmann, FUB | Hörsaal / Lecture Hall |
| <i>Kaffeepause / Coffee Break</i> (Foyer, 1. OG + Empfangshalle EG / Foyer 2 nd Floor + Lobby) | | |
| 10:30 - 12:00 | Kurzvorträge / Oral Presentations Assistierte Reproduktion / Assisted Reproduction | Hörsaal / Lecture Hall |
| Zeitgleich / At the same time 10:30 - 12:00 | Seminar 3 Kleintierreproduktion/ Reproduction Small Animals | Raum D 146 / Seminar Room 2 nd Floor |
| <i>Mittagspause / Lunch Break</i> | | |
| 13:30 - 14:15 | Hauptvortrag III / Key Lecture III (Eichenlaub-Ritter, Universität Bielefeld) | Hörsaal / Lecture Hall |
| 14:15 - 15:45 | Kurzvorträge / Oral Presentations Ovarphysiologie / Physiology of the Ovary | Hörsaal / Lecture Hall |
| Zeitgleich / At the same time 14:15 - 15:45 | Seminar 4 Pferdereproduktion / Reproduction Horses | Raum D 146 / Seminar Room 2 nd Floor |
| 15:45 - 16:45 | Postersession III + Coffee break | Foyer 1. OG / Foyer 2 nd Floor |
| 16:45 - 17:15 | Verleihung der Poster-Preise / Award „Best Scientific Poster RDA“ Schlusswort / Closing adress | Hörsaal / Lecture Hall |

Detailliertes Programm / Detailed Program

Donnerstag / Thursday, 01.03.2012

ab 7.30 Uhr **Registrierung / Registration** (Empfangshalle EG / Lobby)

8.30 - 9.00 Uhr **Eröffnung und Begrüßung / Welcome address**
(Hörsaal / Lecture Hall)

9.00 - 9.45 Uhr **Hauptvortrag I / Key Lecture I** (Hörsaal / Lecture Hall)

Vorsitz / Chair: J. Kotwica, R. Einspanier

„Pro-inflammatory interactions in the uterus - a comparative study“

Prof. Dr. Dariusz J. Skarzynski

Institute of Animal Reproduction and Food Research of Polish Academy of Sciences

9.45 - 10.15 Uhr *Coffee Break*

10.15 - 11.45 Uhr **Kurzvorträge und Seminar 1 / Oral Presentations and Seminar 1**

Kurzvorträge / Oral Presentations (Hörsaal / Lecture Hall)

“Physiologie und Pathologie des Uterus / Physiology and Pathology of the Uterus“

Vorsitz / Chair: A. Einspanier, H. Zerbe

| First author | Title | Abstr. No. |
|---------------------|---|-------------------|
| Gashaw I | Lesion Kinetics in a Non-human Primate Model of Endometriosis | 41 |
| Gram A | Expression and biological function of canine prostaglandin F2 α - synthase (PGFS) and 15-prostaglandin dehydrogenase (15PGDH) in canine utero/placental compartment throughout gestation | 49 |
| Fuchs S | Stimulation of proliferation and migration of bovine placental cells in vitro | 37 |
| Merkel M | Microarray analysis of differential gene expression in equine endometrium on day 16 of pregnancy | 88 |
| Szóstek AZ | Neutrophil extracellular traps formation and interleukin-1 α and β mRNA transcription in the equine endometrium | 139 |

Seminar 1 (D 146, 1. OG / Seminar Room 2nd Floor)

„Ergebnisse aus der Forschungsförderung des FBF / Results from the FBF“

Vorsitz / Chair: B. Lind

| First author | Title | Abstr. No. |
|--------------|---|------------|
| Busenbach K | Does pregnancy influence existing histopathological findings in the bovine endometrium? | S2 |
| Jakop U | Screening of boar sperm for their resistance to storage at low temperatures | S8 |
| Rothe L | Improving the effectiveness of semen production in German breeding bull stations | S15 |
| Schulze M | Benchmarking, Standards and Production Procedures in European Boar Studs | S16 |
| Henning H | Holding time before chilling of diluted boar spermatozoa improves sperm quality during subsequent storage at 17°C | S7 |
| Burmester N | Influence of the in vitro maturation conditions on the protein expression of the progesterone receptor isoforms in bovine oocytes | S1 |
| Nieter J | Optimization of DNA extraction from tissue samples of tuberculosis-infected mammals | S11 |

11.45 – 13.15 Uhr Postersession I (Foyer 1. OG / Foyer 2nd Floor)

Uterus und Ovidukt / Uterus and Oviduct

| First author | Title | Abstr. No. |
|---------------------|--|------------|
| Bittel M | Lactobacilli influence the expression patterns of pro-inflammatory factors in bovine endometrial epithelial cells | 15 |
| Bleul U | Uterine and umbilical blood flow at the end of pregnancy in cows | 17 |
| Bollwein H | Effects of an intravaginal deposition of raw semen on vaginal and uterine blood flow in German Holstein cows | 18 |
| Braunert A | Transcriptomal analysis of bovine placentome tissue: The role of inflammatory mechanisms for expulsion of fetal membranes | 21 |
| Gebhardt S | Analysis of Messenger RNA Profiles in Equine and Porcine Endometrium during the Estrous Cycle | 42 |
| Götte M | Mechanistic involvement of microRNA miR-145 in the pathogenesis of endometriosis | 48 |
| Haase K | Long-term effects of negative energy balance on gene expression in the bovine oviduct | 53 |
| Henriques S | Pro and anti-apoptotic expression of BCL-2 family proteins in canine endometrium, during the oestrous cycle, and correlation with proliferation and apoptosis patterns | 57 |
| Junge S | Modulated gene expression in the porcine uterus after contact with seminal plasma and spermatozoa – results of a microarray study | 65 |
| Korzewka A | Adenomyosis in the bovine uterus: correlation between development of disease, age of animal and 17beta-estradiol - progesterone equilibrium | 73 |
| Meinecke-Tillmann S | Langerin expression in the female reproductive tract of ruminants and pigs – an immunohistochemical study | 87 |
| Rapacz-Leonard A | Histopathological features of retained placentas in mares. Preliminary results | 113 |
| Rudolph M | Induction of overt menstruation in intact mice | 119 |
| Samborski A | Analysis of Gene Expression in Porcine Endometrium at Day 12 of Pregnancy by Deep Sequencing | 122 |
| Schäfer-Somi S | Vascular Endothelial (VEGF) and Epithelial Growth Factor (EGF) as well as Platelet Activating Factor (PAF) and receptors are expressed in the early pregnant canine uterus | 123 |

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| Schneider C | Inhibition of Syndecan-1 expression by microRNA miR-10b leads to decreased invasiveness and proliferation of human endometriosis cells | 125 |
| Silva E | Toll like receptors in the canine endometrium | 131 |
| Tomek W | Differential regulation of the translation initiation repressors 4E-BP1 and 4E-BP2 in the porcine endometrium during implantation | 141 |
| Witte TS | Effects of an oral administration of N-acetylcystein on viscosity of uterine mucus in oestrous mares | 155 |
| Wrobel M | The impairments of bovine oviduct function under influence of DDT and DDE | 157 |
| Yücesoy N | In vitro spontaneous contractile activity of the oviduct in heifers versus cows | 158 |

Endokrinologie weiblich / Endocrinology female

| First author | Title | Abstr. No. |
|-----------------|--|------------|
| Abdoon AS | Expression and cloning of estradiol receptor alpha and progesterone receptors and interferone stimulated gene 15 in endometrium and corpus luteum of pregnant camel | 2 |
| Bertulat S | Effect of drying-off on fecal cortisol metabolites in cows with different milk yield | 13 |
| Froehlich R | Expression of galectins in the utero-placental unit of cattle near term is related to serum insulin-like growth factor I (IGF-I) levels | 36 |
| Fürst RW | An oral low-dose estradiol-17 β application to sows during pregnancy causes an increased fat/lean mass ratio in male offspring | 39 |
| Fürst RW | Regulation of estrogen receptor α by distinct methylation of a single CpG-site | 38 |
| Górriz Martín L | Hormonal influence on in vitro uterine contractility in late-pregnant Holstein Friesian cows | 47 |
| Holzhausen L | Differences in cortisol response after intrauterine infusion of lipopolysaccharides immediately post partum in dairy cows with different IGF-I concentrations ante partum | 62 |
| Jursza E | Expression of PGE2 -synthase (PGES) and PGE2 receptors (EP2 and EP4) in the feline corpus luteum and placenta in pregnant and pseudopregnant animals | 66 |
| Kowalewski MP | Prostaglandin E2 (PGE2) - the luteotrop factor of the gonadotropin-independent phase in the dog acting at the level of steroidogenic acute regulatory (STAR) protein | 75 |
| Kowalik MK | Expression of membrane progesterone receptors in bovine corpus luteum during the estrous cycle and the first trimester of pregnancy | 76 |
| Lang L | Low endogenous progesterone concentrations 5 days after insemination reduce pregnancy rates in Holstein Friesian cows, irrespective of subsequent progesterone supplementation | 80 |
| Lütkehus H | Uterine and placental localization of insulin-like growth factor (IGF) system members in cows near term | 81 |
| Manelli C | Xeno-Estrogens on human trophoblast: an in vitro study | 85 |
| Mlynarczuk J | The expression of Steroidogenic Factor 1 mRNA and protein in bovine ovary during estrus cycle and first trimester of pregnancy | 91 |
| Mysegades W | Plasma IGF-I concentrations ante partum are not indicative for delayed ovulation post partum in dairy cows | 92 |
| Nagel C | Endocrine changes in the prepartum mare | 93 |
| Piasecka J | The effect of low doses of 2,3,7,8-tetrachlorodibenzo-p-dioxin and genistein on expression of aryl hydrocarbon receptor mRNA in porcine granulosa cells | 105 |
| Plöntzke J | Mathematical modeling of the female estrus cycle - the cow and the woman | 109 |
| Rak-Mardyla A | Expression of ghrelin and ghrelin receptor in the porcine corpus luteum at different stage of the luteal phase | 112 |
| Siemieniuch MJ | Placenta - a possible source of progesterone during pregnancy in the domestic cat | 130 |
| Starowicz A | Steroidogenic function of postovulatory cumuli oophori and oviduct ampullas in the rat | 133 |

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| Stinshoff H | Luteal gene expression and peripheral blood progesterone concentrations in cattle are affected by oral CLA supplementation | 135 |
| Suthar VS | Endogenous and exogenous progesterone influences body temperature in dairy cows | 136 |
| Szóstek AZ | Influence of ovarian steroids on interleukin-6-stimulated prostaglandin secretion by equine epithelial and stromal cells in vitro | 137 |
| Szóstek AZ | Evaluation of prostaglandins concentration in equine endometrium and corpus luteum during the estrous cycle | 138 |
| Tworus K | Influence of factors involved in the regulation of prolactin secretion on the expression of genes – coding for opioid precursors and receptors – in anterior pituitary cells of the luteal - phase gilts in vitro | 142 |
| Vernunft A | Anti-Muellerian Hormone (AMH) concentrations in equine follicular fluids and their relationship to follicle development – preliminary results | 148 |
| Walter J | Investigation on ecboic potency of oxytocin, dinoprost and cloprostenol in broodmares during oestrus | 151 |
| Wieciech I | Influence of antiandrogen flutamide on the AR gene expression in the porcine female reproductive tract during pregnancy. | 154 |
| Zmijewska A | The effect of interleukin 1 β in early pregnant and cyclic porcine corpus luteum | 160 |
| Zschockelt L | Expression of steroidogenic enzymes in the placenta of the domestic cat (<i>Felis silvestris catus</i>) during pregnancy | 161 |

13.15 – 14.30 Uhr *Lunch Break*

Möglichkeit zum Mittagessen besteht in der Kantine des BfR / Enjoy your lunch at the canteen of the BfR.

14.30 - 15.15 Uhr Hauptvortrag II / Key Lecture II (Hörsaal / Lecture Hall)

Vorsitz / Chair: C. Wrenzycki, F. Becker

„Factors affecting bovine preimplantation embryo developmental competence“

Prof. Dr. Karl Schellander, Dr. Michael Hölker
Institut für Tierwissenschaften der Universität Bonn

15.15 – 16.45 Uhr Kurzvorträge und Seminar 2 / Oral Presentations and Seminar 2

Kurzvorträge / Oral Presentations (Hörsaal / Lecture Hall)

„Genotyp- Phänotyp-Beziehung / Genotype-Phenotype-Relation“

Vorsitz / Chair: S.E. Ulbrich, B. Meinecke

| First author | Title | Abstr. No. |
|---------------------|--|-------------------|
| Reichenbach M | A highly inheritable trait was not expressed in cloned cattle | 115 |
| Pistek VL | Gene expression and DNA methylation analyses of HOXA10 in the porcine uterus of prenatally estradiol-17 β exposed female offspring | 108 |
| Nowak-Imialek M | Identification and characterization of spermatogonial stem cells from Oct4-EGFP transgenic pig testis | 95 |
| Michaelis M | Functional biodiversity: Differences in the testicular phenotype of two high-fertility long-term selection mouse lines | 89 |
| Nölke J | Elucidation of possible causes for functional spermatogenesis in single tubules of homozygous SCCx43KO/--mice | 94 |

Seminar 2 (D 146, 1. OG / Seminar Room 2nd Floor)

„Diagnostik / Diagnostics“

Vorsitz / Chair: A. Wehrend

| First author | Title | Abstr. No. |
|---------------------|---|-------------------|
| Heuwieser W | Gedanken zur Qualität diagnostischer Methoden in der Reproduktionsmedizin | |
| Saymé N | Erweiterte Spermatozoenfunktionsdiagnostik zur Einschätzung des Fertilitätspotentials beim Menschen | |
| Werner A | Relationship between bacteriological findings in the 2 nd and 4 th week postpartum in dairy cows and evaluation of laboratory results | S20 |
| Shahin M | Pregnancy detection in goats by determination of Pregnancy-Associated Glycoproteins (PAG) in blood | S17 |
| Pichler M | Evaluation of an electronic hand-held meter for measurement of β -hydroxybutyrate (BHB) in ewes | S13 |

16.45 – 18.15 Uhr Postersession II (Foyer 1. OG / Foyer 2nd Floor)
+ Kaffee / Coffee

Reproduktion Männlich / Reproduction Male

| First author | Title | Abstr. No. |
|---------------------|--|-------------------|
| Bingsohn L | Expression of steroid sulfotransferases, steroid sulfatase, the putative steroid sulfonate transporter SLC10A6 and of steroidogenic key enzymes in the porcine testicular-epididymal compartment | 14 |
| Chojnacka K | The presence of the androgen receptor in the testis of mice with a Sertoli-cell specific knock out of Connexin 43 (SCCx43KO-/-) | 28 |
| Dezhkam Y | Profiles of free and sulfonated steroids in sexually mature boars | 30 |
| Kurowicka B | The effect of prolactin on the steroidogenic enzymes expression pattern in the testes of adult warm-reared and warm-acclimated rats | 79 |
| Blässe A-K | Identification and localization of chloride ion channel CLC-3 and potassium ion channels TASK-2 and Kv1.5 in bovine sperm before and after cryopreservation | 16 |
| Guerler H | Effects of a prolongation of equilibration time up to 96 hours on quality of cryopreserved bovine sperm | 51 |
| Henning H | Computer-assisted analysis of sperm morphology: validation of a novel CASA system | 56 |
| Heutelbeck A | Temperature and male-to-male effects on osmotic properties of stallion sperm | 59 |
| Malama E | Seasonal variation of SCSA parameters of frozen ovine semen | 83 |
| Malama E | Relation of chromatin stability and morphology in bovine sperm | 84 |
| Ochota M | Sperm morphology of fresh and frozen-thawed cat semen collected from epididymis and urethra | 96 |
| Oldenhoff H | Fluorometric assessment of the intracellular pH and potassium concentration of stallion sperm | 97 |
| Palme N | The influence of seminalplasma and cholesterol transport within the cell membrane on the quality of frozen-thawed canine semen | 100 |
| Partyka A | The effect of membrane cholesterol modification on cryopreserved chicken sperm | 101 |
| Rungroekrit U | Sperm head decondensation of boar spermatozoa after heat-drying or freezing without cryoprotectant and intracytoplasmic injection (ICSI) into porcine oocytes | 120 |
| Dzerzhinsky M | Morphofunctional changes in rat testes under kisspeptin influence against blockade and activation of alpha-adrenergic receptors and melatonin administration | 33 |
| Kayacelebi H | Sonographic measurements of the canine epididymis in relation to age and body weight | 70 |
| Uslu BA | Effects of Green Tea upon Testis Weight and Epididymal Sperm Quality in Guinea Pigs Exposed to Electromagnetic Radiation | 145 |

Klinische Reproduktionsmedizin / Clinical Reproductive Medicine

| First author | Title | Abstr. No. |
|---------------------|---|-------------------|
| Albanat WA | Relationship between natal course and metabolic parameters in the peripartal period of the cattle | 4 |
| Beck A | Relationship between antral follicle count and ovum pick-up results in cattle | 9 |
| Böttcher D | Uterine lipoleiomyoma in a bitch | 20 |
| Brüssow K-P | Fetal blood flow indices obtained by laparoscopy guided doppler-ultrasound measurement during early mid-gestation in pigs | 23 |
| Burfeind O | Elevated haptoglobin concentrations in cows suffering from puerperal metritis | 25 |
| Danowski K | In vitro study of the innate immune competence of the bovine mammary gland affected by induced NEB | 29 |
| Heppelmann M | Influence of a metritis on uterine involution in cows evaluated by Doppler sonography of the uterine arteries | 58 |
| Janowski T | A Clinical Trial on Self-recovery in Cows with Chronic Endometritis | 63 |
| Jaroszewski J | Ovulation and steroid hormone secretion in mature heifers after flunixin, meloxicam or dipyron treatment | 64 |
| Karademir G | Effects of Different Levels of Kefir upon the Relationships between Digestive, Microbiological and Pathological Traits, and Their Consequences on Reproduction in Laying Hens: A Preliminary Report | 68 |
| Palm F | Colostrum and milk yield and concentration of immunoglobulin G in late pregnant pony mares after altrenogest treatment | 99 |
| Pilz M | Maintenance of pregnancy in a Holstein Frisian dairy cow with an abscess of the uterine wall | 106 |
| Schneebeli J | Are 2- and 3-wave-cycles equivalent variants of periodic ovarian function in dairy cattle? | 126 |
| Teichgräber U | Investigating metaphylactic treatment in cows with a high risk of puerperal uterine infections | 140 |
| Urhausen C | Granulosa cell tumour in a bitch after prepubertal castration. A case report | 144 |
| Vassiliadis PM | Production of viable lambs following dexamethasone-induced preterm parturition in ewes | 147 |
| von Krüger X | Effect of single administration of prostaglandin F2 α between day 9 and 15 postpartum on prevalence of clinical endometritis in dairy cows | 149 |
| Waldmüller K | Postpartum cows react hypo responsive to intra mammary Lipopolysaccharide (LPS) infusion | 150 |
| Brokmann A | Inhibin alpha and beta during recrudescence of spermatogenesis following downregulation using slow release GnRH agonist implants in the dog | 22 |
| Goericke-Pesch S | Application of slow release implants containing deslorelin in male rabbits | 45 |
| Kauffold J | Long term treatment with the GnRH agonist deslorelin (Suprelorin®) effectively suppresses sexual function in boars with unilateral abdominal cryptorchidism | 69 |
| Krebs T | Bromelase – A new way to reduce viscosity of human semen | 77 |
| Pasing S | Effects of prebiotic feed supplementation on health status and semen quality in stallions | 102 |
| Stańczyk E | Assessment of resistive indices of testicular artery as predictors of spermatogenesis in dogs | 132 |

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| Goericke-Pesch S | Investigations about incidence and importance of udder cleft dermatitis in dairy cows | 43 |
| Marthold D | Fixed-time insemination following an Ovsynch regime in dairy cows – a field trial | 86 |
| Prunner I | Prevalence of uterine disease in Austrian dairy farms determined by vaginoscopic, bacteriological and cytological examination | 110 |
| Ucar O | Relationship between reproduction and undernutrition in ruminant and poultry breeding (the case of Eastern Turkey): A brief overview | 143 |
| Zduńczyk S | Late embryonic mortality and fetal losses in eight dairy herds in Poland | 159 |
| Erber R | Salivary cortisol, heart rate and heart rate variability in healthy and septicemic newborn foals | 35 |
| Goericke-Pesch S | Nasal aspirator for removal of mucus of the upper respiratory tract in canine neonates | 44 |
| Arlt S | What do we really know about bovine, equine and canine reproduction? | 7 |

18.15 - 19.00 Uhr Verleihung der DGRM-Preise / DGRM Award Ceremony
(Hörsaal / Lecture Hall)

| First author | Title | Abstr. No. |
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| Arlt S | Hereditary factors may play a role in the pathogenesis of vaginal septa in dogs | 6 |
| Buchwald U | Intrauterine stress does affect the lipid metabolism of the filial generations of common marmosets (<i>Callithrix jacchus</i>) | 24 |
| Pyttel S | Lysophospholipids: a new quality marker of human and animal spermatozoa? | 111 |

ab 19.00 Uhr Conference Dinner (Kantine des BfR / Canteen BfR)

Eintritt: 20 € (Buffet und Getränke inklusive) / Ticket 20 € (includes buffet table with beverages)

Begrenzte Kartenzahl – bitte rechtzeitig reservieren (Kongressbüro)! Limited availability of tickets – please reserve on time (congress office)!

Es spielt das Trio **menthels lounge** (Saxophon, Gitarre, Kontrabass) aus Potsdam /
With live music (saxophone, guitar, contrabass)
- Jazz Swing Tango Musette -

Poster-Voting!

Ihre Eintrittskarte ist gleichzeitig ein Stimmzettel für die Wahl der diesjährigen Posterpreise! Aus einer kleinen Vorauswahl exzellenter Poster wählen Sie Ihren Favoriten und bestimmen den Gewinner der diesjährigen Preisvergabe.

You find the voting ticket on the reverse side of your entrance ticket for the conference dinner. Please vote for your favourite poster and help to find this year's Poster Price Winner.

Freitag, 02.03.2012

9.00 - 10.00 Uhr Podiumsdiskussion / Plenary Discussion (Hörsaal / Lecture Hall)

**„35 Jahre IVF – Perspektiven und Grenzen /
35 years IVF – Perspectives and Challenges“**

Prof. Dr. Katharina Jewgenow, Leibniz-Institut für Zoo- und Wildtierforschung (IZW)

Prof. Dr. Jan Krüssel, Universitätsklinikum Düsseldorf

Prof. Dr. Christine Wrenzycki, Tierärztliche Hochschule Hannover

Moderation: Christa Beckmann, Presse und Kommunikation Freie Universität Berlin

10.00 - 10.30 Uhr Kaffeepause / Coffee Break

10.30 - 12.00 Uhr Kurzvorträge und Seminar 3 / Oral Presentations and Seminar 3

Kurzvorträge / Oral Presentations (Hörsaal / Lecture Hall)

„Assistierte Reproduktion / Assisted Reproduction“

Vorsitz / Chair: M. Drillich, H. Niemann

| First author | Title | Abstr. No. |
|---------------------|--|-------------------|
| Bernal SM | Effects of different in vitro maturation systems on bovine embryo development | 12 |
| Stinshoff H | Embryonic development in vitro is affected at the molecular level by supplementation with conjugated linolic acids | 134 |
| Schlüter N | Influence of peripheral progesterone concentration on morphological oocyte quality in repeated OPU sessions | 125 |
| Pawlak P | Selected parameters related to ooplasmic maturation of BCB+ oocytes from peripubertal gilts | 103 |
| Gürke J | Altered amino acid metabolism in preimplantation embryos from diabetic rabbits | 52 |

Seminar 3 (D 146, 1. OG / Seminar Room 2nd Floor)

„Kleintierreproduktion / Reproduction Small Animals“

Vorsitz / Chair: S. Arlt

| First author | Title | Abstr. No. |
|---------------------|---|-------------------|
| Rade | Feeding of queens and bitches during pregnancy and lactation | S14 |
| Sommerfeld | Inbreeding and fertility | S18 |
| Sommerfeld | Wise usage of genetic testing | S19 |
| Goericke-Pesch S | Incidence, clinical symptoms and prognosis of pyometra in the bitch | S5 |
| Günzel-Apel AR | Diagnostic therapy in two bitches with suspected hypoluteoidism | S6 |
| Krachudel J | Hypoluteoidism in the bitch - investigation of endocrine and immunological parameters | S9 |

12.00 – 13.30 Uhr *Lunch*

Möglichkeit zum Mittagessen besteht in der Kantine des BfR / Enjoy your lunch at the canteen of the BfR.

13.30 - 14.15 Uhr **Hauptvortrag III / Key Lecture III** (Hörsaal / Lecture Hall)

Vorsitz / Chair: K. Jewgenow, B. Fischer

„Maternal age and chromosome segregation in oocytes: new concepts on pathophysiological and genetic predisposing factors“

Prof. Dr. Ursula Eichenlaub-Ritter
Universität Bielefeld

14.15 – 15.45 Uhr Kurzvorträge und Seminar 4 / Oral Presentations and Seminar 4

Kurzvorträge / Oral Presentations (Hörsaal / Lecture Hall)

„Ovarphysiologie / Physiology of the Ovary“

Vorsitz / Chair: K. Müller / J. Weitzel

| First author | Title | Abstr. No. |
|---------------------|--|-------------------|
| Becker F | Investigation on first luteal activity in high producing dairy cows in relation to their metabolic and energetic status | 10 |
| Hofmann SG | Influence of Negative Energy Balance-related Metabolites on Bovine Granulosa Cells in a Perfusion Cell Culture System | 61 |
| Kowalczyk-Zieba I | Lysophosphatidic acid (LPA) can inhibit nitric oxide (NO) action during functional and structural regression of the bovine corpus luteum | 74 |
| Kenngott RAM | Morphology and immunohistochemistry of the bovine ovary during prenatal development | 71 |
| Galvão A | Influence of Nodal on corpus luteum secretory function in the mare | 40 |

Seminar 4 (D 146, 1. OG / Seminar Room 2nd Floor)

„Pferdereproduktion / Reproduction Horses“

Vorsitz / Chair: J. Handler

| First author | Title | Abstr. No. |
|---------------------|--|-------------------|
| Osterrieder | Equine herpesvirus type 1 (EHV-1)-induced abortions – State of Play | S12 |
| Ennen S | Comparative bacteriological examination of two uterine swabs taken in one sampling procedure | S3 |
| Ennen S | Comparative bacteriological examination of equine uterine swab samples using a regular guarded swab system and the Cytologybrush | S4 |
| Neuhauser S | Photospectrometric color analysis of the equine endometrium | S10 |
| Witte TS | Continuous monitoring of body temperature in cyclic mares | S21 |

**15.45 – 16.45 Uhr Postersession III (Foyer 1. OG / Foyer 2nd Floor)
+ Kaffee / Coffee**

Ovar / Ovary

| First author | Title | Abstr. No. |
|---------------------|---|-------------------|
| Abd El-Hafeez HH | Morphology and histochemistry of interstitial glands in the bovine ovary | 1 |
| Hirschberg RM | Alpha smooth muscle actin in the cycling bovine ovary - specialised vascular structures and cellular phenotypes | 60 |
| Kaessmeyer S | The adult bovine ovary: a new niche of putative endothelial progenitor cells | 67 |
| Reitemeier S | Presence of cytokeratin-positive (CK+) cells in the ovary of the common marmoset (<i>Callithrix jacchus</i>) by immunocytochemistry | 116 |
| Schwarz T | The pattern of follicular recruitment in prepubertal gilts | 128 |

Embryo / Oocyte / IVF

| First author | Title | Abstr. No. |
|---------------------|---|------------|
| Abdoon AS | Spontaneous parthenogenetic development of dromedary camel oocytes | 3 |
| Boruszewska D | The effect of lysophosphatidic acid on the expression of oocyte quality markers in bovine ovarian follicle | 19 |
| Chełmońska-Soyta A | TNF- α induced phosphatidylserine expression in mouse preimplantation embryos measured by lab-on-chip method | 26 |
| González-Serrano AF | Effects of Rumen-Protected Conjugated Linoleic Acids Supplementation on the Expression of Developmentally Important Genes in Bovine Oocytes | 46 |
| Held E | The Gene expression profile of single blastomeres of bovine 2-cell stage embryos is correlated with the subsequent developmental competence of the sister blastomeres | 55 |
| Mikołajewska N | Vitrification of immature and in vitro matured domestic cat oocytes: study on viability assessment | 90 |
| Rapała Ł | The influence of elevated temperature on the development of bovine embryos cultured in the presence of Vero cells | 114 |
| Schindler M | Altered triglycerid accumulation in blastocysts from diabetic rabbits | 124 |
| Waurich R | Oct4 expression in early cat embryos: Comparing results from semi-quantitative and quantitative measurements | 152 |
| Weissmann A | In-ovo sex determination in the domestic chicken (<i>Gallus gallus</i> f. dom.) via endocrine analysis | 153 |

Modelle und Methoden / Models and Methods

| First author | Title | Abstr. No. |
|--------------|--|------------|
| Arlt S | Evidence-based Medicine in Veterinary Education – Training Students to appraise Scientific Literature | 5 |
| Arnold C | Non-invasive test systems for the evaluation of pain and distress in a primate endometriosis model | 8 |
| Bergmann A | Successful establishment of a porcine uterine epithelial cell culture from primary cells | 11 |
| Chen S | Long term culture of porcine oviductal epithelium cells: Optimization, characterization and validation of an in vivo-like culture system | 27 |
| Dittrich R | The perfused swine uterus as an experimental model to test the effect of drugs on uterine contractility: The effect of <i>Chelidonium majus</i> (greater celandine) as an example. | 31 |
| Drummer C | Minimal-invasive pre-implantation embryo retrieval and non-surgical re-transfer in the common marmoset monkey (<i>Callithrix jacchus</i>) | 32 |
| Elmetwally M | Doppler ultrasonographic investigations of umbilical blood flow characteristics in normal developed sheep and goat fetuses | 34 |
| Grzmil P | The targeted disruption of <i>Ube2q1</i> gene leads to pleiotropic reproductive defects in female mutant mice | 50 |
| Hauschild J | Knockout of the α 1,3-galactosyltransferase gene in pigs using zinc-finger nucleases | 54 |
| Kirsz K | Secretion of adenyphophysial hormones is under the regulation of leptin, orexin A and ghrelin in seasonally-breeding sheep | 72 |
| Krohn J | Technical Note: Investigations on the accomplishment of the avian perivitelline membrane penetration assay | 78 |
| Maeder B | Validation of vaginal temperature measurement in bitches | 82 |
| Otto C | Use of a murine endometriosis interna model for the characterization of compounds that effectively treat human endometriosis | 98 |

| | | |
|------------------|--|-----|
| Petzl W | Establishing a short term infection model monitoring initial host signals after intramammary challenge with Escherichia coli (E. coli) and Staphylococcus aureus (S. aureus) | 104 |
| Pinkowska A | Annexin V staining procedure for the evaluation of apoptosis in equine embryos: a preliminary report | 107 |
| Rekawiecki R | Identification of housekeeping genes for studies of different gene expression in bovine corpus luteum and myometrium | 117 |
| Rodríguez Ruiz A | Bull sperm binding assay to Bovine Oviduct Epithelial Cells (BOEC) | 118 |
| Saleh M | Ovulation induction in superovulated Boer goat does using GnRH or hCG | 121 |
| Sendag S | Estrus induction in seasonally anestrous Colored Mohair goats with the long-acting GnRH-agonists | 129 |
| Uslu BA | Effects of Melatonin and Norgestomet Implants Followed by eCG injection upon Reproduction of Fat-tailed Anoestrous Morkaraman Ewes | 146 |
| Witte TS | Validation of rectal temperature measurements in horses | 156 |

16.45 – 17.15 Uhr Verleihung der Preise „**Best Scientific Poster RDA**“
(Hörsaal / Lecture Hall)

Schlussworte / Closing address