



IV International Symposium on Animal Biology of Reproduction (ISABR 2012)

Focus: Environment and Reproduction

October 17th to 20th , 2012, Campinas, SP, Brazil

Poster Session

General poster information

- All posters will be on display on the Pavilhão Inácio de Sá (located nearby the symposium auditorium) during the entire meeting.
- Posters should be mounted on Oct. 18th morning and removed by the end of the last Session on Oct. 20th.
- Presenting authors should stay at their posters in two Sessions:
 - Poster Session I - October 18th, Thursday, from 17:00 to 18:40 - Abstracts 001 to 106
 - Poster Session II - October 19th, Friday, from 17:00 to 18:40 - Abstracts 107 to 201

Poster abstracts presentation

Poster Session I - October 18th, Thursday, from 17:00 to 18:40 - Abstract 001 to 106

1. **Glyphosate alters reproductive function by affecting the gonadotropin expression and spermatid function** - Romano RM, Oliveira CA, [Romano MA](#).
2. **Feed efficiency and its relationship to puberty in Nelore heifers** - [Monteiro FM](#), Oliveira LZ, Oliveira CS, Saraiva NZ, Magnani E, Grion AL, Cyrillo JNSG, Branco RH, Ribeiro EG, Bonilha SFM, Mercadante MEZ.
3. **Distribution of Luteinizing Hormone Receptor (LHR) in sheep cervix during the oestrous cycle** - [Gonzalez Camp R](#), Rodríguez-Piñón M.
4. **Inhibition of prostaglandin F2 α biosynthesis by flunixin meglumine during preluteolysis and luteolysis in dairy heifers** - [Pugliesi G](#), Shrestha HK, Beg MA, Carvalho GR, Ginther OJ.
5. **Characterization of the Effects of the periovulatory endocrine milieu on bovine endometrial gene expression on day 7 post-estrus: a candidate gene approach** - [Amaral HOA](#), Mesquita FS, Galindo ST, Scolari S, França M, Ramos R, Oliveira M, Bertan G, Binelli M.
6. **LH plasma concentration in prepubertal Nelore heifers (B taurus indicus) supplemented with protected fat or carbohydrate excess** - Nogueira GP, [Miguel MCV](#), Costa HF, Souza JS, Pavanello LM, Delfino JLC, Tomelin JZ, Pinheiro DM, Cipriano RS.
7. **Stimulation of endogenous PRL pulses from luteolysis to ovulation and effects on hormonal and ovarian dynamics in mares** - [Pinaffi FLV](#), Khan FA, Silva LA, Beg MA, Ginther OJ.
8. **Morphological studies on bovine oocytes matured *in vitro*** - [Parreira ATP](#), Franco RVR, Vasconcelos AB.
9. **Levels of serum and follicular glucose related with oocyte quality on Girolando cows** - [Alves BG](#), Alves KA, Vale E, Silva TV, Lucio AC, Sabino PH, Bombardelli G, Mazon E, Beletti ME, Jacomini JO, Gambarini ML -
10. **Metabolic profile of follicular fluid and serum from dairy heifers and cows related with oocyte quality** - [Alves KA](#), Alves BG, Silva TH, Braga LS, Alves BG, Santos RM, Martins MC, Lucio AC, Beletti ME, Jacomini JO, Gambarini ML.
11. **Induction and synchronization of ovulation in pluriparous goats outside breeding season** - [Silveira RO](#), Christilis M, Dias JCO, Oliveira CTSAM, Silveira CO, Santos GM.
12. **Fipronil prenatal exposure modifies the estrous cycle but not the sexual behavior in female rat offsprings** - [Udo MSB](#), Sandini TM, Bernardi MM, Spinosa HS.
13. **Long form of leptin receptor gene expression in goat follicles** - [Batista AM](#), Silva DMF, Silva ECB, Gomes WA, Wischral A, Guerra MMP.
14. **Cell-secreted vesicles called exosomes in equine ovarian follicular fluid: characterization during various phases of follicular development** - [Silveira JC](#), Carnevale EM, Rodrigues BL, Maclellan LJ, Rossini JB, Rodriguez JS, Rao Veeramachaneni DN, Winger QA, Bouma GJ.
15. **The association of prostaglandin with ovulation inducers in mares** - [Okada CE](#), Caram DF, Junqueira RGC, Agostini CRO, Jacob JCF.
16. ***In vitro* estradiol production by bovine secondary follicles using two different culture systems** - [Araújo VR](#), Wischral A, Gastal MO, Figueiredo JR, Gastal EL.
17. **Growth hormone benefits the *in vitro* development of isolated canine preantral follicle in the presence of Follicle-Stimulating Hormone** - [Serafim MKB](#), Silva GM, Duarte ABG, Brito IR, Rocha RM, Figueiredo JR.
18. **Effect of interval to timed artificial insemination after synch treatment on pregnancy rates in Nelore cows** - [Santini T](#), Maturana Filho M, Rezende RG, Nishimura TK, Barbosa VN, Naves JR, Fonseca GA, Madureira EH.
19. **Intrafollicular hormones growth factors and follicle blood flow in mares** - [Wischral A](#), Haag KT, Fonseca GR, Gastal MO, Gastal EL.
20. **Diestrus progesteronemia affects growth of the pre-ovulatory follicle in Nelore cows** - [Ramos RS](#), Scolari SC, Mesquita FS, Araújo ER, França MR, Oliveira ML, Pugliesi G, Binelli M.
21. **Effect of low dose of estradiol cypionate after artificial insemination service on fertility post- treatment in Holstein cows of a large dairy farm of North México** - Leyva Orasma C, Ramirez FC, Barraza IS, Veliz G, [Pérez-López S](#), Morales



- CJL.
22. **Effect of eCG during Ovsynch protocol and hCG post-insemination on conception rate in high-yielding Holstein cows** - Pérez-López S, Leyva Orasma C, Cancino MCA, Lastra DG, Morales CJL, Mellado BM, Adame DFU.
 23. **Hormonal treatment to improve embryo survival in beef cows after fixed time artificial insemination** - Machado R, Sudano MJ, Paschoal DM, Nogueira GP, Bertan CM, Landim-Alvarenga FC, Binelli M.
 24. **Influence of human GDF9 recombinant protein on the quality of bovine embryos *in vitro* produced** - Cruz MHC, Saraiva NZ, Cruz JF, Oliveira CS, Del Collado M, Garcia JM.
 25. **Biological research in primordial canine germ cells** - Souza AE, Pieri NCG, Casals JB, Roballo KCS, Ambrósio CE, Meirelles FV, Martins DS.
 26. **Effect of meiotic arrest with butyrolactone I on *in vitro* production of bovine embryos** - Maziero RRD, Guastali MD, Sudano MJ, Paschoal DM, Guasti PN, Crocomo LF, Papa PM, Rascado TS, Papa FO, Landim-Alvarenga FC.
 27. **Sorted semen affect expression of genes related to implantation and pregnancy recognition** - Lucio AC, Miranda A, Pericuesta E, Tomita SY, Alves BCA, Gutiérrez-Ádan A, Hossepian de Lima VFM.
 28. ***In vivo* evaluation and differentiation of mesenchymal stem cells from the yolk sac of bovine embryos** - Mançanares CAF, Oliveira VC, Oliveira LJ, Mançanares ACF, Carvalho AF, Meirelles FV, Souza AF, Gilchrist GC, Miglino MA, Ambrosio CE.
 29. **Pregnant rate after transfer of bovine embryo produced *in vitro* using sexed and frozen semen from Nelore breed** - Del Rei AJM, Bartolomeu CC, Alvares CTG, Gonsalves GS, Silveira 1Jr JA.
 30. **Ewes' fertility is negatively affected by vaginitis provoked by the application of intravaginal sponges** - Manes J, Hozbor FA, Alberio RH, Ungerfeld R.
 31. **Isolation and characterization of mesenchymal stem cells from cat amniotic membrane** - Vidane AS, Souza AF, Sangali JR, Sampaio R, Casals JB, Mançanares CAF, Martins DS, Ambrósio CE.
 32. **Dairy cattle embryo production and inovation in Imperatriz and Porto Franco (MA)** - Barros VS, Chow L, Sousa FA, Costa JFL, Marques CJR, D'Oliveira-Sousa A.
 33. **Occurrence of pregnancy parturition and puerperium disorders in Holstein-Zebu dairy cows** - Camargos AS, Souza DG, Oba E, Gioso MM, Reis LSLS, Ferraz MC.
 34. **Application of placental gonadotropins on the *in vitro* production of bovine embryos** - Decanine C, Pioltine EM, Emanuelli IP, Puelker RZ, Nogueira MFG.
 35. **Reconstruction of mouse blastocysts by heterologous aggregation of the inner cell mass with one or two trophoderm fragments** - Emanuelli IP, Godoi CP, Campanha BCS, Moço PD, Cazari B, Brianezi GB, Nogueira MFG.
 36. **Transplacental infection of Bovine Leukemia Virus in aborted bovine fetuses preliminary results** - Montanari KCS, Lacerda AMD, Pituco EM, Ikuno AA, Harakava R, Pinheiro ES, Piatti MR, Del Fava C.
 37. **Embryonic fluid as proteic source during *in vitro* culture improves the embryonic criosensitivity** - Lima MR, Saraiva NZ, Oliveira CS, Barrondo MDC, Vantini R, Faccio BC, Garcia JM.
 38. **Influence of different oxygen tensions and fetal bovine serum concentrations on dimethylation of lysine 9 of histone 3 (H3K9me2) in *in vitro* produced bovine embryos** - Gaspar RC, Arnold DR, Corrêa CAP, Rocha Jr CV, Del Collado M, Vantini R, Garcia JM, Lopes FL.
 39. **Effectiveness of parthenote and *in vivo* fertilized embryo aggregation in mouse** - Fernandes H, Cazari B, Mihara PT, Emanuelli IP, Nogueira MFG.
 40. **Shotgun lipidomics of endometrium and uterine flushings in beef cattle** - Araújo ER, D'Alexandri FL, Mesquita FS, Binelli M.
 41. **Homologous recombination and non-homologous end-joining repair pathways in bovine embryos with different developmental competence** - Barreta MH, Gasperin BG, Rissi VB, de Cesaro MP, Ferreira R, Oliveira JF, Gonçalves PBD, Bordignon V.
 42. **Clinical and subclinical endometritis during the postpartum period of Holstein Gyr and F1 Holstein x Gyr cows** - Vargas LR, Martins TM, Leite AC, Nunes PP, Muniz CS, Peixoto DGM, Borges AM.
 43. **Gene expression of enzymes from the arachdonic acid metabolic pathway in the endometrium of cows exposed to different periovulatory endocrine milieus** - Oliveira MO, D'Alexandri F, Mesquita FS, Binelli M.
 44. **Testis structure duration of spermatogenesis and spermatogenic efficiency (daily sperm production) in the freshwater turtle *Kinosternon scorioides*** - Sousa AL, Campos-Junior PHA, Costa GMJ, França LR.
 45. **Effect of açai pulp (*Euterpes edullis*) on the epididymal caput region morphometry of Wistar rats exposed to cadmium chloride** - Souza ACF, Lima GDA, Menezes TP, Cupertino MC, Matta SLP, Neves MM -
 46. **Efficiency of intratesticular injection of zinc-based solution on male cat sterilization: morphometric testis results** - Moura MRP, Xavier PR, Mascarenhas RM, Avelar GF, Oliveira CFA, Oliveira ECS, Melado RWC, Marques Jr AP.
 47. **Testes weight and comb score of broiler breeder roosters with 71 weeks of age and three body weight categories** - Rezende CA, Baião NC, Ruiz LEA, Xavier PR, Mota CA, Marques Junior AP.
 48. **Testicular weight and its correlation with body weight and testicular biometry in Japanese quail: implications for selection of breeders** - Lanna LL, Xavier PR, Soares FA, Santos TM, Mascarenhas RM, Marques Júnior AP.
 49. **Sperm variables along epididymal transit in pigs undergoing puberty** - Castro R, Bustos E.
 50. **Corporal biometrics and testicular volume in Santa Inês ram lambs** - Menegatti MB, Bicudo SD, Monteiro CD, Rodello L, Bicudo LC.
 51. **Prostate adenocarcinoma in dogs naturally infected by *Leishmania infantum*** - Oliveira VVG, Macêdo SRB, Torres SM, Maia FCL, Alves LC, Silva Junior VA.
 52. **Low incidence of *Leishmania infantum* in the testis of infected dogs** - Oliveira VVG, Macedo SRB, Torres SM, Maia FCL, Alves LC, Silva Junior VA.
 53. **Ultrastructure of epididymal principal cells of aged Wistar rats** - Predes FS, Diamante MAS, Monteiro JC, Dolder H.
 54. **Medium-term treatment with Cyclosporin A and *Heteropterys tomentosa*: lack of effects on the epithelium of testis and epididymis of Wistar rats** - Freitas KM, Almeida JM, Diamante MAS, Cock NROS, Jorge MHA, Dolder H.
 55. **Intratesticular injection of zinc gluconate as a permanent contraceptive for cats** - Oliveira ECS, Fagundes AKF, Melo



- CCS, Nery LTB, Revorêdo RG, Andrade TFG, Oliveira-Esquerre K, Kastelic JP, Silva Jr VA.
56. **Testicular and hepatic pigmentation of the Anuran *Eupemphix nattereri*: morphological and stereological effects of testosterone cypionate** - [Oliveira C](#), Zieri R, Belussi LF.
 57. **Cryopreservation of collared peccary (*Tayassu tajacu*) epididymal sperm using coconut powdered water (ACP®) and Tris based extenders** - Bezerra JAB, [Peixoto GCX](#), Silva AM, Lima GL, Sousa PC, Borges PAC, Oliveira MF, Silva AR.
 58. **The relationships between testicular volume sperm quality and scrotal surface temperature in adult stallion** - [Ramires Neto C](#), Monteiro GA, Delfiol DJZ, Farras MC, Papa FO, Alvarenga MA.
 59. **17 β -estradiol increased testicular pigmentation in *Eupemphix nattereri* (Anura: Leiuperidae)** - [Fanali LZ](#), Franco-Belussi L, Zieri R, Oliveira C.
 60. **Measurements of reproductive organs and the ventral prostate epithelia of Wistar rats treated with Cyclosporin A and *Heteropterys tomentosa*** - [Almeida JM](#), Freitas KM, Diamante MAS, Cock NROS, Jorge MHA, Dolder H.
 61. **Isolation and partial characterization of Binder of Sperm Protein 1 (BSP1) from three bovine subspecies raised in Brazil** - [Martins JAM](#), Souza CEA, Gonzalez VC, Rêgo JPA, Menezes EB, Vasconcelos IM, Moreira ACM, Moreira RA, Moreno FB, Ramos AF, Moura AA.
 62. **Influence of melatonin on sperm parameters and antioxidant system in diabetic rat epididymis** - [Gobbo MG](#), Costa CFP, Almeida EA, Pinto ME, Pytlowanciv EZ, Góes RM.
 63. **Contributions of the epididymis and accessory sex glands to the proteome of seminal plasma and accessory sex glands in Morada Nova rams** - [van Tilburg ME](#), Fonseca LS, Santos RQ, Santos ACL, Pantaleão MA, Silva MM, Machado VP, Rego JPA, Souza CEA, Araújo AA, Cândido MJD, Moura AAA.
 64. **Spermadhesins from ram seminal plasma: gene expression in the reproductive tract biochemical attributes and interactions with the sperm membrane** - [Souza CEA](#), van Tilburg MF, Martins JAM, Lobo CH, Moreno FB, Figueiredo JR, Moreira RA, Monteiro-Moreira ACO, Moura AAA.
 65. **Tissue alterations in dorsolateral prostate of rats exposed to obesogenic environment from gestation to adulthood** - Pytlowanciv EZ, [Ferreira JRM](#), Gonçalves T, Gobbo MG, Góes RM.
 66. **Effects of continued exposure to high-fat diet on ventral prostate structure and cell proliferation** - [Pytlowanciv EZ](#), Gobbo MG, Góes RM.
 67. **Epididymal morphology of oligoryzomys sp from Atlantic Forest** - Menezes TP, Morais ACT, Ballarini MK, Matta SLP, [Neves MM](#).
 68. **Spatial distribution of prostaglandin D Synthase mRNA in the reproductive tract of Somalis brasileira rams** - Silva MB, [Lobo CH](#), Souza CEA, Sales D, Figueiredo JR, Moura, A.A.A.
 69. **Relation of photoperiod with spermatogenic cycle in Viscachas (*Lagostomus maximus*)** - [Pieri NCG](#), Flamini MA, Barbeito CG, Souza AF, Roballo KCS, Ambrósio CE, Martins DS.
 70. **Testicular histometry and gonadosomatic index in Japanese quails between 15 and 60 days old** - Lanna LL, [Leão RAC](#), Soares FA, Santos TM, Moura MRP, Marques Júnior AP.
 71. **Proliferation and cell death process in rat testes induced by Brazilian green propolis** - [Pinto SJ](#), Predes FS, Monteiro JC, Heidi Dolder MA, Severi-Aguiar GDC.
 72. **Stereological study of testes of curimatá (*Prochilodus lineatus*)** - [Melo GC](#), Gomes SMZ, Gomes CC, Jesus LWO, Rigonati CAM, Batlouni SR, Borella MI.
 73. **Morphometric changes of Sertoli cells caused by incisive duct obstruction in adult New Zealand white rabbits** - [Grondona KEB](#), Mahecha GAB, Benjamin LA.
 74. **Testicular damage in acute and chronic intermittent simulated hypoxia in mice Protective role of Ketoprofen** - [Bustos-Obregon E](#), Corrales T.
 75. **Leydig cell stereology of 18 months-old Wistar rats Treated with *Heteropterys tomentosa* A Juss infusion** - [Reis IB](#), Silva FJTNP, Freitas KM, Predes FS, Diamante MAS, Gomes MLM, Dolder H, Monteiro, JC Monteiro.
 76. **Leydig cell stereology of 15 and 18 months-old Wistar rats** - [Monteiro JC](#), Reis IB, Silva FJTNP, Gomes MLM, Freitas KM, Predes FS, Diamante MAS, Dolder H.
 77. **Morphometrical and stereological parameters of Wistar rat testes after Brazilian green propolis intake** - [Severi-Aguiar GDC](#), Diamante MA, Capucho C, Predes FS, Monteiro JC, Dolder MAH.
 78. **Histopathological analysis of testes of domestic cats after intratesticular injection of zinc gluconate solution** - [Fagundes AKF](#), Melo CCS, Nery LTB, Tenório BM, Santos CRO, Oliveira ECS, Silva Jr VA.
 79. **Modification of bovine spermatogonial stem cells to produce transgenic animals** - [Barros FRO](#), Giassetti MI, Worst RA, Saurin GCP, Lopes E, Zanatta D, Strauss BE, Maiorka PC, Kerkis I, Assumpção MEOA, Visintin JA.
 80. **Sperm maturation in dogs: enzymatic antioxidant activity and sperm functional changes** - [Angrimani DSR](#), Nichi M, Lúcio CF, Veiga GAL, Silva LCG, Regazzi FM, Losano JDA, Pereda MC, Vannucchi CI.
 81. **Effects of *Euterpe edulis* extract in the seminiferous tubules of adult rats** - [Sertorio MN](#), Costa KLC, Cupertino, M.C. Passos PMS, Gomes MLM, Neves MM, Leite JPV, Oliveira JA, Matta SLP.
 82. **Histopathological evaluation of seminiferous tubules in rats treated with lead acetate** - [Costa KLC](#), Cupertino MC, Freitas KM, Mouro VGS, Neves MM, Dolder H, Oliveira JA, Matta SLP.
 83. **Comparative influence of maternal obesity and postnatal overnutrition on testis structure and sperm production in rats** - [Reame V](#), Ribeiro DL, Pinto ME, Góes RM.
 84. **Characterization of the stages of the seminiferous epithelium cycle and the duration of spermatogenesis in the spiny-rat *Proechimys guyannensis* (Rodentia: Echimyidae)** - [Lara NLM](#), Santos IC, Costa GMJ, Campos-Júnior PHA, Madureira AP, Zanini MS, França LR.
 85. **Expression of Caspase-3 in seminiferous tubular cells of *Mus domesticus* exposed to hypobaric hypoxia** - [Hartley R](#), Sanchez R, Bustos-Obregón E.
 86. **Gradients of distribution of Type A spermatogonia in the testis of sexually mature Nile-tilapia (*Oreochromis niloticus*)** - [Aponte PM](#), Segatelli TM, Santos e Souza L, França LR.
 87. **Differential effects of intratesticular injection of Bradykinin-Potentiating Peptides from *B jararaca* venom on spermatogenesis in mice** - Silva CA, [Silva Junior J](#), Gilio JM, Portaro FCV, Rioli V, Borella MI, Camargo ACM.



88. **Spermatogonial stem cell characterization and niche in the bullfrog (*Lithobates catesbeianus*)** - Segatelli TM, Cruz FVS, Assis LHC, França LR.
89. **Evaluation of testis structure and function in Foxn1 adult mutant mice** - Oliveira CFA, Avelar GF, França LR.
90. **Effect of chromatin integrity on bull sperm head morphometry** - Nava-Trujillo H, Quintero-Moreno A, Hernández-Fernández A, Vilchez-Siu V, Finol-Parra G, Osorio- Meléndez C, Añez-Paredes N.
91. **Evaluation of fertilizing capacity of frozen goat semen with or without addition of cholesterol** - Silveira CO, Christilis M, Dias JCO, Silveira RO, Maitan PP, Guimarães JD.
92. **Use of L-carnitine in cooled stallion semen** - Lisboa FP, Hartwig FP, Maziero RRD, Monteiro GA, Papa FO, Dell'Aqua Jr JA.
93. **Validation of flow cytometry for assessment of membrane lipid peroxidation of equine spermatozoa** - Guasti PN, Freitas-Dell'Aqua CP, Maziero RRD, Hartwig FP, Monteiro GA, Lisboa FP, Papa FO.
94. **Breeding soundness evaluation in margay (*Leopardus wiedii* Schinz 1821) males** - Blank MH, Ribeiro RN, Cubas ZS, Oliveira MJ, Moraes W, Moreira N, Erdmann RH.
95. **Cholesterol addition to sperm plasma membrane: an alternative for bad cooler stallions** - Hartwig FP, Lisboa FP, Monteiro GA, Maziero RRD, Hartwig FP, Papa FO, Dell'Aqua Jr JA.
96. **Decreased fertilizing ability of frozen/thawed rabbit sperm incubated with homologous seminal plasma** - Gómez Vitolo MA, Rios G, Manes J, Cesari A, Alberio RH, Hozbor FA.
97. **Scrotal insulation effects on bovine embryo production: preliminary results** - Martins MC, Braga LS, Alves BG, Silva TH, Alves KA, Alves BG, Lucio AC, Jacomini JO, Beletti ME.
98. **Correlation between different incubation times in fluorescent probes for spermatic membrane integrity evaluation in Piau swine breed** - Lima DMA, Pinho RO, Shiomi HH, Chaya AY, Siqueira JB, Lopes PS, Guimarães SEF, Guimarães JD.
99. **Association of nuclear annulus and chromatin in bull sperm** - Lemos MS, Moreira PFS, Moraes AS, Morandi-Filho R, Oliveira F, Beletti ME.
100. **Description of ultrastructural characteristics of six-banded armadillo (*Euphractus sexcinctus*) sperm** - Sousa PC, Santos EAA, Castelo TS, Bezerra JAB, Lima GL, Fontenele-Neto JD, Freitas CIA, Silva AR.
101. **Concentrations of ions and proteins present in plasma seminal of equine ejaculate** - Rua MAS, Narváez JAC, Santoro PN, Fonseca CW, Silva JFS.
102. **Assessment of bovine sperm attributes by capillary cytometry at different stages of cryopreservation** - Castro LS, Hamilton TRS, Mendes CM, Visintin JA, Assumpção MEOA.
103. **Effect of thawing methods on stallion semen** - Narváez JAC, Rua MAS, Fonseca CW, Barreto MAP, Silva JFS.
104. **Toroidal structures in sperm chromatin of bull turkey and human: a morphological characterization** - Morandi Filho R, Zuza AL, Souza ET, Beletti ME.
105. **Flow cytometric analysis of fertile and subfertile frozen stallion spermatozoa** - Freitas-Dell'Aqua CP, Guasti PN, Monteiro GA, Maziero RRD, Dell'Aqua Jr JA, Papa FO.
106. **Goat Binder of Sperm (BSP) protein homologs bind to phospholipids of Andromed®** - Menezes EB, Moura AAA, Manjunath P.

Poster Session II - October 19th Friday, from 17:00 to 18:40 - Abstract 107 to 201

107. **Timed insemination efficiency following progesterone-based synchronization protocols associated to GnRH estradiol and estradiol plus eCG in Bos indicus beef heifers** - Alvarez RH, Melo AJF, Carvalho NAT.
108. **Phosphoethanolamine effect on the quality of diluted and cooled equine semen** - Oliveira GC, Oliveira WS, Christovão FG, Ribeiro Filho OM, Vasconcelos AB.
109. **Evaluation of enthalpy response of germinative cells in the presence of distinct substrates** - May E, Costa DA, Oliveira GC, Barros RF, Oliveira WS, Vasconcelos AB.
110. **Study of correlation between sperm DNA integrity (SCSA) with parameters of in vitro fertilization** - Barros RE, Silva MV, Deragon LA, Franco RVR, Vasconcelos AB.
111. **Sperm-binding assay in the Piau swine breed using perivitelline membranes from hen's egg** - Pinho RO, Shiomi HH, Lima DMA, Santos MCR, Faria VR, Lopes OS, Guimarães SEF, Guimarães JD.
112. **Cumulus expansion and nuclear maturation of sheep oocytes cultured in vitro with meiosis inhibitors** - Crocomo LF, Marques Filho WC, Guastali MD, Ackermann CL, Maziero RRD, Paschoal DM, Sudano MJ, Landim-Alvarenga FC, Bicudo SD.
113. **Nutritional supplementation of Nelore heifers with polyunsaturated fatty acids do not interfere in the development and cryotolerance of in vitro produced embryos** - Leão BCS, Nogueira É, Rocha NAS, Accorsi MF, Neves TV, Marcos MTS, Cunha Junior GF, Mingoti, GZ.
114. **Techniques for evaluation of physical integrity of bovine sperm membrane** - Zandonaide JPB, Silva MV, Deragon LA, Vasconcelos AB.
115. **Fertility of frozen-thawed ram sperm: effect of catalase and pre-freezing equilibration during semen cryopreservation** - Câmara DR, Pinto LC, Pinto MMCM, Nunes JF, Guerra MMP.
116. **Molecular detection of Bovine Herpesvirus 1 in ovarian structures of naturally infected animals** - Pereira ECM, Santos GM, Costa SL, Mendes VRA, Queiroz VLD, Dias MC, Santos MR, Bulos LHS, Silva Júnior A, Costa EP.
117. **Effect of the Growth Factor Insulin-like-I (IGF-I) on the in vitro culture of caprine preantral follicles** - Costa SL, Pereira ECM, Silva TF, Sanglard LMP, Freitas PPT, Mendes VRA, Magalhães LQ, Rodrigues ACF, Costa EP.
118. **Testicular transcutaneous ultrasound in Japanese quail: a new approach for selection of breeders** - Lanna LL, Soares FA, Santos TM, Oliveira JN, Luz PSA, Marques Júnior AP.
119. **Association of cryoprotectants and ascorbic acid to cool and vitrify preantral bovine follicles** - Carrascal EL, Jimenez CR, Azevedo JL, Silveira RG, Penitente-Filho JM, Torres CAA.
120. **Effect of electrolyte profile on oocyte quality and nuclear maturation from heifers and lactating cows** - Braga LS, Alves BG, Alves KA, Silva TH, Alves BG, Martins MC, Santos RM, Silva TV, Lucio AC, Beletti ME, Jacomini JO,



- Gambarini ML.
121. **Vitrification of collared peccaries (*Tayassu tajacu*) ovarian tissue using various cryoprotectants: preliminary results** - [Lima GL](#), Luz VB, Alves AMCV, Lunardi FO, Souza ALP, Peixoto GCX, Rodrigues APR, Oliveira MF, Silva AR.
 122. **Individual ejaculates and pooled semen in dog: are there differences under experimental conditions?** [Mascarenhas RM](#), Xavier PR, Marques Junior AP.
 123. **Effect of stabilization time on cryopreservation of spermatozoa obtained from bull epididymis** - [Almeida FC](#), Gomes WA, Souza HM, Batista AM, Silva SV, Guerra MMP.
 124. **Embryo recovery and pregnancy rates in different age mares in a equine embryo transfer program** - [Silva PCA](#), Gramatico CMO, Oliveira JP, Jacob JCF.
 125. **Influence of cloprostenol in endometrial cytology of crossbred dairy cows** - [Alves BG](#), Oliveira RSBR, Silva TH, Silva NC, Tsuruta AS, Oliveira PM, Saut JPE.
 126. **Prior evaluation of the viability of cryopreserved *Pseudoplatystoma reticulatum* semen** - [Digmayer M](#), Resende EK, Streit Jr DP, Alexandre Filho L, Vargas L, Ribeiro RP.
 127. **Climate condition influences kinematic parameters of cryopreserved ovine spermatozoa** - [Silva SV](#), Soares AT, Batista AM, Almeida FC, Guerra MMP.
 128. ***In vitro* pre-maturation of bovine oocytes with cAMP modulators in the presence of serum impairs meiotic progression** - [Saraiva NZ](#), Oliveira CS, Del Collado M, Lima MR, Cruz MHC, Vantini R, Monteiro FM, Garcia JM.
 129. **The use of forskolin to produce *in vitro* bovine embryos** - [Paschoal DM](#), Sudano MJ, Maziero RRD, Guastali MD, Crocomo LF, Magalhães LCO, Monteiro BA, Rascado TS, Lima-Neto JF, Martins Jr A, Landim FC.
 130. **Replacing TCM with BARC medium supplemented with fetal calf serum for *in vitro* oocyte maturation did not support subsequent blastocyst production** - Caldeira JO, Calegari RS, Souza DG, Paschoal DM, Sudano JM, Corona LFC, Trindade AB, [Martins Jr A](#).
 131. **Aloe vera sp was an acceptable alternative to egg yolk for preserving goat semen at 4°C** - [Melo CCS](#), Melo LCS, Castro EV, Santos BMB, Oliveira ECS, Salgueiro CCM, Nunes JF.
 132. **Ultrasound diameter of embryonic vesicle during early gestation in mares inseminated with stallion or donkey semen** - [Ker PG](#), Suprani VP, Oliveira PR, Pugliesi G, Rates DM, Oliveira RR, Carvalho GR.
 133. **Use of intracytoplasmic sperm injection to produce a foal from a mare with severe scarring of the posterior reproductive tract and a stallion with limited quantities of frozen semen** - Rodriguez JS, [Rossini JB](#), Stokes JE, Carnevale EM.
 134. **Do ewe preovulatory follicles decrease their diameters before ovulation?** [Dias LMK](#), Paes de Barros MB, Nicolau SS, Viau P, Sales JNS, Marino CT, Mello DMD, Oliveira CA.
 135. **Comparison between different straw size and thawing temperatures used for the cryopreservation of collared peccaries (*Tayassu tajacu*) semen** - [Silva MA](#), Peixoto GCX, Castelo TS, Oliveira MF, Lima GL, Campos LB, Bezerra JAB, Silva AR.
 136. **Effect of time of eCG administration and utilization or not of hCG on pregnancy rates of inseminated in woolless ewes** - [Kiva CK](#), Biscarde CEA, Mendes CHF, Chaves LFM, Campos GA, Garcia VFC, Costa JRA, Resende MV, Bittencourt RF, Silva AM, Gusmão AL.
 137. **Fertility after fixed-time artificial insemination using bovine sperm rediluted in powdered coconut water (PCW-111)** - [Machado VP](#), Melo CCS, Castro EV, Dantas KS, Evangelista JF, Moura AAA, Vieira RJ, Nunes JF.
 138. **Cryopreservation of semen goats in periods low and high precipitation index in Northeast Brazil** - [Souza AF](#), Batista AM, Guerra MMP.
 139. **Influence of hCG on the vascular perfusion of preovulatory follicle** - [Romano RM](#), Ferreira JC, Canesin HS, Ignácio FS, Novaes Filho LF, Barros AMR, Meira C.
 140. ***In vitro* maturation of bovine oocytes under chemically defined or serum-containing media** - [Ispada J](#), Risolia PHB, Gonçalves DR, Rodrigues TA, Paula-Lopes FF.
 141. **Evaluation of different freezing curves and centrifugations in Piau swine breed semen cryopreservation** - [Shiomi HH](#), Pinho RO, Lima DMA, Santos MCR, Costa EV, Siqueira JB, Lopes OS, Guimarães SEF, Guimarães JD.
 142. **Use of the essential oil of *Myrrhinium atropurpureum* Schott on stallion cooled semen** - [Bustamante-Filho IC](#), Davolli GM, Camozzato GC, Bastos HBA, Mattos RC, Gerhardt A, Mallmann R, Oliveira JB, Ethur EM.
 143. **Effect of Trolox on *in vitro* viability of frozen goat sperm** - [Silva ECB](#), Carvalho DS, Silva SV, Pelinca MA, Guerra MMP.
 144. **Evaluation of cooling time of canine semen diluted in Tris-egg yolk containing or not glycerol and antioxidant** - [Canavari IC](#), Demetrio MG, Savi PAP, Carciofi AC, Vicente WRR, Borges-Silva JC.
 145. **The effects of the uterine biopsy uterine washing and follicular aspiration procedures performed six days after TAI on pregnancy rates of nelore cows** - [Scolari SC](#), Cardoso D, Martin I, Sales JN, Maturana M, Teixeira NA, D'Alexandri FL, Membrive CMB, Binelli M.
 146. **Short and long protocols to estrus synchronization and timed-AI in Dorper and White Dorper purebred ewes** - D'Angieri FS, Cunha Junior MC, Balieiro JCC, [Traldi AS](#).
 147. **Xenograft as a tool to develop equid chimeric testis** - [Avelar GF](#), Costa GMJ, Rezende-Neto JV, Lacerda SMSN, Campos-Júnior PHA, Andrade BSC, França LR.
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 149. **Use of vitamin E analog (Trolox) in Tris egg-yolk extender for canine epididymal sperm cells freezing** - [Savi PAP](#), Motheo TF, Padilha LC, Mostachio GQ, Pires-Buttler EA, Alves AE, Borges JC, Martins MIM, Vicente WRR.
 150. **Isolation and characterization of fibroblasts and adipose derived stem cells from rabbits** - [Zomer HD](#), Vidane AS, Sousa AF, Salvato BA, Casals J, Nardelli NJ, Meirelles FV, Ambrósio CE.
 151. **Characterization and culture of Nile-tilapia spermatogonial stem cells** - [Lacerda SMSN](#), Silva MA, Costa GMJ, Campos-Jr PHA, Santos AK, Segatelli TM, França LR.
 152. **Profile SDS-PAGE of seminal plasma in sambar deer (*Cervus unicolor*)** - [Chacur MGM](#), Martins EAF, Guaberto LM,



- Silva AA.
153. **Exposition to low concentrations of endosulfan did not affect the epididymal morphometry in *Artibeus lituratus*** - [Oliveira Neto MJ](#), [Brinati A](#), [Freitas MB](#), [Morais DB](#), [Neves MM](#).
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 157. **Hormonal induction of reproduction of *Mylossoma duriventre* with follicle stimulate hormone luteinizing hormone and pituitary carp extract** - [Machado MRF](#), [Carvalho AFS](#), [Andrade ES](#), [Paula FGP](#), [Barros TC](#), [Murgas LSD](#).
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 159. **Effects of ACTH challenge on fecal corticoid and sex steroid metabolites in maned wolves (*Chrysocyon brachyurus*) and domestic dogs (*Canis lupus familiaris*)** - [Spercoski KM](#), [Teodoro LO](#), [Melo-Junior AA](#), [Lima DRS](#), [Meyer KB](#), [Heuschkel M](#), [Santos AS](#), [Kampa DL](#), [Morais RN](#).
 160. **Protein profile of seminal plasma in collared peccaries (*Tayassu tajacu*)** - [Santos EAA](#), [Souza CEA](#), [Sousa PC](#), [Martins JAM](#), [Varela ALN](#), [Moura AAA](#), [Silva AR](#).
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 165. **Effect of chloprostenol sodium administration on dairy cattle early puerperium** - [Camargos AS](#), [Fernandes CAC](#), [Gioso MM](#), [Costa IF](#), [Miyachi TM](#), [Oba E](#).
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 183. **The lack of heat shock and insulin-like growth factor-I effect on bovine oocyte caspase activity** - [Rodrigues MT](#), [Ispada J](#), [Lima RS](#), [Risolia PHB](#), [Assumpção MEOA](#), [Visintin JÁ](#), [Paula-Lopes FF](#).
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- (Olfers 1818) after acute exposure to the fungicide mancozeb - Miranda DC, Carvalho TF, Carvalho TF, Machado RAC, Andrade DV, Barros MS, Brinati A, Matta SLP, Freitas MBD, Neves MM.
186. **Temperature and humidity index body temperature at the time of artificial insemination and conception rates in Holstein cows** - Leite AC, Martins TM, Pires AC, Nunes PP, Públío LL, Muniz CS, Peixoto DGM, Borges AM.
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197. **Influence of sod concentrations on fertility of Nelore cows** - Maturana Filho M, Santin T, Nishimura TK, Barbosa VN, Naves JR, Kerhle A, Fonseca GA, Scolari SC, Nunes GR, Mori CM, Araripe MCS, Madureira EH.
198. **Assessment of the effects of heat stress on the reproductive performance of heifers during breeding season** - Barbosa VN, Maturana Filho M, Nishimura TK, Santin T, Fonseca GA, Naves JR, Madureira EH.
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200. **Effects of scrotal insulation on ram seminal plasma proteome** - Rocha DR, Souza CEA, Martins JAM, Lima RMD, Fonseca LS, Viana Neto AM, Santos RQ, Santos ACL, Moreno FB, Monteiro-Moreira ACO, Araújo AA, Moura AA.
201. **Evaluation of heat stress in beef cows during breeding season** - Nishimura TK, Maturana Filho M, Santin T, Barbosa VN, Naves JR, Madureira EH.