

V International Symposium on Animal Biology of Reproduction (ISABR 2014)  
Focus: Fertility - from gametogenesis to embryo development  
October 8-11, 2014, 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. 8th and removed by the end of the last Session on Oct. 11th.
- Presenting authors should stay at their posters in two Sessions:  
Poster Session I - October 9th, Thursday, from 17:00 to 18:30 - Abstracts 000 to 000 (to be announced).  
Poster Session II - October 10th, Friday, from 17:00 to 18:30 - Abstracts 000 to 000 (to be announced).

### Poster abstracts presentation

- 001 Immunohistochemistry standardization of PGF2 $\alpha$ -R receptor in the cervix bitch with pyometra - Volpato R, Araujo MS, Laufer-Amorin R, Lopes MD.**
- 002 Effect of pronenin in the epidermal growth factor-like and prostaglandin-endoperoxide synthase 2 mRNA expression induced by LH in bovine granulosa cells - Dau AMP, Rosa PRA, Santos JT, Ferst JG, Machado FA, Rovani MT, Manta MW, Nóbrega Jr JE, Comim FV, Gonçalves PBD.**
- 003 Hormonal evaluation of progesterone, triiodothyronine, thyroxine in bitches with eutocia and distocya - Simões CRB, Vassalo FG, Sudano MJ, Prestes NC, Lourenço MLG, Oba E, Lopes MD, Souza FF.**
- 004 GnRH/GnIH system in zebrafish olfactory epithelium - Corchuelo S, Butzge AJ, Daolio GAJ, Martinez ERM, Nakaghi LSO, Nóbrega RH.**
- 005 Expression of regulating factors of apoptosis, leptin and leptin receptor in ovine cumulus-oocyte complex - Silva DMF, Batista AM, Duarte SS, Rocha SSN, Montarroyos ENB, Silva CRC, Adrião M, Wischral A.**
- 006 Analysis of cell-secreted vesicles present in bovine ovarian follicles during early follicular development - Silveira JC, Andrade GM, César MC, Nogueira MFG, Perecin F, Meirelles FV.**
- 007 Induction and synchronization of estrus in pluriparous goats utilizing hCG - Silveira RO, Santos GM, Christilis M, Silveira CO, Dias JCO, Oliveira CTSAM, Penitente-Filho JM.**
- 008 A specific adenil cyclase inhibitor (DDA) and a cyclic AMP-dependent protein kinase inhibitor (H-89) block the action of equine growth hormone (eGH) on *in vitro* maturation of equine oocytes - Pereira GR, Lorenzo PL, Carneiro GF, Bilodeau-Goeseels S, Kastelic J, Barcellos JOJ, Liu IKM.**
- 009 Survival of cattle preantral ovarian follicles after culture *in vitro* with medium supplemented with recombinant Bovine Somatotropin (rBST) - Silva TF, Costa EP, Pereira ECM, Costa SL, Souza IM, Freitas PPT, Mendes VRA, Queiroz VLD.**
- 010 Gamma receptor peroxisome proliferator-activated (PPAR $\gamma$ ) mRNA expression in follicular deviation in cattle - Ferst JG, Ferreira R, Santos JT, Rovani MT, Dau AMP, Nóbrega Jr JE, Antoniazzi AQ, Ilha GF, De Cesaro MP, Campagnolo MPK, Gonçalves PBD.**
- 011 NPPC mRNA expression is upregulated by LH through EGF-R during ovulation in cattle - Santos JT, De Cesaro MP, Ferst JG, Dau AMP, Nobrega Jr JE, Ilha GF, Antoniazzi AQ, Serrano LK, Rissi VB, Gonçalves PBD.**
- 012 AMH and AMHR2 profile in granulosa cells during follicle deviation and in FSH-induced codominant follicles - Ilha GF, Rovani MT, Gasperin BG, Andrade Neto O, Nóbrega Jr JE, Ferst JG, Dau AMP, Santos JT, Bordignon V, Gonçalves PBD.**
- 013 Effect of camels seminal plasma and mechanical stimulus on ovulating response of rabbit does - Arruda-Alencar JM, Fatnassi M, Cardinali R, Brecchia G, Rebollar PG, Rende M, Moura A, Hammadi M, Castellini C.**
- 014 Effect of hCG administration on accessory corpus luteum formation and area in estrous induced nulliparous Santa Inês ewes - Castro ACR, Arashiro EKN, Zambrin FN, Guimarães ASL, Esteves LV, Fonseca JF.**
- 015 Morphology and cytoplasmic granules of the corpus luteum in pregnant and non-pregnant Nelore cows - Vargas LR, Xavier PR, Marques Jr AP.**
- 016 Intrauterine development of mice exposed to fluoxetine during pregnancy - Cabrini LC, Schefer**

MA, Salles MJS.

- 017 **Evaluation of the teratogenic effects of exposure to captopril in offspring of Swiss mice** - Sanches ESAM, Popolin V, Freckleton JTV, Machado SM, Bispo ACC, Andrade MP, Salles MJS.
- 018 **Paregoric Elixir exposure during intrauterine development of mice** - Machado SM, Bispo ACC, Sanguini JGS, Freckleton JTV, Tamayose VM, Salles MJS.
- 019 **Physiological characterization of the postpartum period, estral cycle and early pregnancy based on progesterone levels and sexual behavior in four different ovine breeds under high altitude conditions in Colombia** - Alvarado PA, Grajales HA, Lozano H.
- 020 **Lipid profile of follicular fluid and follicular cells by mass spectrometry (MALDI) associated to oocyte competence** - Andrade GM, Perecin F, Pires PRL, Silveira JC, Lo Turco EG, Ferreira CR, Cataldi TR, Meirelles FV.
- 021 **Bovine embryos produced *in vitro* with sexed sperm by flow cytometry: evaluation of embryonic development and expression of genes candidates for pregnancy recognition** - Nonato A, Lucio AC, Alves BCA, Rosa KO, Fonseca LFS, Nociti RP, Carneiro LC, Hossepian de Lima VFM.
- 022 **A new model for evaluation of oxidative stress in *Bos indicus in vitro* produced embryo** - Assis PM, Castro LS, Siqueira AFP, Hamilton TRS, Delgado JC, Goissis MD, Mendes CM, Visintin JA, Assumpção MEOA.
- 023 **Pregnancy in *Hystricomorpha*: preliminary study of doppler mesearusement during the last third of gestation in agouti (*Dasyprocta prymnolopha* Wagler 1831)** - Sousa FCA, Moura LS, Pessoa GT, Diniz NA, Sousa JM, Lopes CER, Neves WC, Cavalcante-Filho MF, Alves FR.
- 024 **Dynamic reprogramming of 5-methylcytosine during canine germ cell development** - Souza AF, Pieri NCG, Cassals JB, Maçanares ACF, Ambrósio CE, Perecin F, Martins DS.
- 025 **Uterine vascularization and fetal position along the uterine horn in gilts and its relation to fetal weight** - Nepomuceno GL, Betarelli RP, Pereira BA, Chaves BR, Teles MC, Zangeronimo MG, Guimarães GC.
- 026 **Use of a regulator of the PI3K/Akt pathway in the production of bovine embryos with different mediums** - Maia RC, Gomes HF, Dias AJB, Oliveira CJL.
- 027 **Re-expansion and hatching rates after vitrification of bovine *in vitro* produced embryos and cultured in medium containing conjugated linoleic acid** - Leite AC, Andrade VB, Magalhães EB, Martins TM, Muniz CS, Borges AM.
- 028 **A fertile female twin to a male calf - case report** - Balieiro LP, Silveira RO, Pereira IMF, Santos GM, Silveira CO, Maitan PP.
- 029 **Placental efficiency in Piau breed and Commercial Line pregnant gilts** - Vergara JCM, Camilo BS, Pinho RO, Lima DMA, Villadiego FAC, Shiomi HH, Costa KA, Faria VR, Leon VEG, Cardoso RE, Lopes PS, Guimarães SEF, Guimarães JD.
- 030 **Effect of microbial laboratory contamination in *in vitro* bovine embryo production** - Andrade VB, Leite AC, Magalhães EB, Martins TM, Muniz CS, Borges AM.
- 031 **Relationship between reproductive disorders and *Neospora caninum* in dairy cattle** - Andrade RB, Silva VCF, Silencio LN, Galvão GS, Palhano HB, Silva AF.
- 032 **Morphological characteristics of placentomes from crossbreed Holstein-Zebu cows with different birth orders** - Leão RAC, Mota CA, Xavier PR, Marques Jr AP.
- 033 **Teratogenic effects in the offspring of mice exposed to Fluoxetine during pregnancy** - Schefer MA, Cabrini LC, Salles MJS.
- 034 **Teratological analysis of the offspring of mice exposed intraperitoneally to Elixir Paregórico** - Saraiva JG, Machado SM, Bispo ACC, Freckleton VM, Salles MJS.
- 035 **Osteopontin (OPN) and leukemia inhibitory factor (LIF) and their receptor (LIFR) genes in canine embryos** - Derussi AAP, Castilho ACS, Souza RWA, Volpato R, Guaitolini CRF, Ackermann CL, Taffarel MO, Cardoso GS, Dal Pai Silva M Lopes MD.
- 036 **Global DNA methylation in different *Gallus gallus* tissues** - Soares MR, Rodrigues MGF, Eiras MC, Flores e Paez LE, Miranda-Furtado CL, Ramos ES.
- 037 **Effect of copaiba on defects caused by exposure to cyclophosphamide in the development of mice** - Popolin V, Lourenço ACS, Salles MJS.
- 038 **Development of the female genital organs in cobaias *C. porcellus*** - Santos AC, Favaron PO, Viana DC, Silva FMO, Alcântara D, Vasconcelos BG, Rici REG, Assis-Neto AC, Miglino MA.
- 039 **Morphogenesis of Rhea (*Rhea americana*) embryos in different stages of development** - Almeida HM, Olivindo RFG, Sousa RP, Bezerra DO, Oliveira SCR, Feitosa MLT, Diniz NA, Menezes DJA, Carvalho MAM.

- 040 **Histological morphogenesis of Rhea (*Rhea Americana*) embryos digestive system** - Almeida HM, Sousa RP, Bezerra DO, Carvalho YKP, Feitosa MLT, Braga JFV, Assis Neto AC, Menezes DJA, Fortes EAM, Soares LLS, Carvalho MAM.
- 041 **Echogenicity and biometric testicular evaluation in confined bulls** - Oliveira MG, Bonato DV, Rodriguez MGK, Vrisman DP, Silva RAC, Schmitt TM, Carneiro A, Poczynek MM, Coutinho LN, Neumann M, Vicente WRR, Teixeira PPM.
- 042 **Scrotal infrared thermography in Nellore bulls (*Bos taurus indicus*)** - Souza CD, Chacur MGM, Cartocci JS, Ruediger FR, Andrade IB, Bastos GP, Ramos AA.
- 043 **Possible effects of inbreeding on reproductive traits in male Beagle dogs** - Bravo NRS, Braga Jr LT, Rodrigues V, Conforti VA.
- 044 **Protein profile of rete testis fluid from Morada Nova rams** - Souza SD, van Tilburg MF, Oliveira RV, Silva TA, Melo RBF, Araújo AA, Moura AAN.
- 045 **Reproductive abnormalities in male sheep exposed to testosterone in utero** - Nóbrega Jr JE, Santos JT, De Cesaro MP, Dau AMP, Rovani MT, Ferst JG, Gonçalves PBD, Comim FV.
- 046 **Doppler ultrasound of the normal testis in goat: B-mode, color and spectral Doppler imaging** - Silva EG, Sousa FCA, Moura LS, Pessoa GT, Diniz NA, Sousa JM, Lopes CER, Neves WC, Cavalcante-Filho MF, Paula NRO, Alves FR.
- 047 **Oxytocin and androgen receptor immunolocalization in dog testis and epididymis** - Minazaki CK, Souza PMG, Kawai GKV, Dalmazzo A, Rossetti AB, Crusco SE, Borella MI, Barnabé VH.
- 048 **Immunolocalization of enzymes: cytochrome P450 aromatase, and cytochrome P450c17 (17- $\alpha$ -hidroxilase/17, 20 lyase) in the epididymis of the freshwater turtle (*Kinosternon scorpioides*) in the dry and rainy seasons** - Viana DC, Santos AC, Assís Neto AC.
- 049 **Hydrogen peroxide promotes a dose-dependent decrease on motility parameters of bovine spermatozoa** - Castro LS, Siqueira AFP, Assis PM, Hamilton TRS, Mendes CM, Losano JDA, Nichi M, Visintin JA, Assumpção MEOA.
- 050 **Evaluation of canine semen with the hypo-osmotic swelling test** - Carazo LRB, Deco-Souza T, Araújo GR, Bergo LCF, Paula TAR, Malacarne JM, Teixeira FRC, Zerloltini MF.
- 051 **Acute exposition of different chemical forms of arsenic on sperm parameters in rats** - Lima GDA, Ribeiro SP, Gonçalves NM, Sertorio MN, Souza ACF, Neves MM.
- 052 **Morphology of spermatozoa of Antarctic mollusks** - Absher TM, Christo SW, Kern Y, Elbers K, Ferreira Jr AL.
- 053 **Buffalo semen cryopreservation (*Bubalus bubalis*) using commercial extender containing low-density lipoproteins** - Neves BP, Brito MF, Andrade GO, Gouvêa RR, Almeida J, Henry M.
- 054 **Concentrations of sodium, potassium, calcium and alkaline phosphatase in sperm-rich fraction of dog semen** - Bergo LCF, Santos Jr JG, Araújo GR, Deco-Souza T, Csermak Jr AC, Carazo LRB, Paula TAR.
- 055 **Sperm parameters of adult rats treated with propiconazole** - Pierone BC, Sgarioni VB, Costa NO, Vieira ML, Pereira MRF, Gerardin DCC.
- 056 **Relationship between enzymatic antioxidants in ram seminal plasma after stress-induced by testicular insulation: immunodetection versus activity** - Hamilton TRS, Mendes CM, Castro LS, Assis PM, Siqueira AFP, Delgado JC, Cebrián-Perez JA, Muiño-Blanco MT, Visintin JA, Assumpção MEOA.
- 057 **Does seminal plasma addition reduces tyrosine phosphorylation in frozen-thawed swine semen?** - Torres MA, Ravagnani GM, Oliveira ML, Leal DF, Campos GA, Martins SMMK, Muro BBD, Moretti AS, Papa FO, Dell'Aqua Junior JA, Alvarenga MA, Andrade AFC.
- 058 **Methods of DNA extraction for sperm sexing in dogs** - Mothé GB, Santos GAM, Malossi CD, Araújo Júnior JP, Souza FF.
- 059 **Determination of malondialdehyde (MDA) by high-performance liquid chromatography in ram semen as a biomarker for oxidative stress** - Arruda LCP, Silva GR, Batista AM, Silva ECB, Souza HM, Araújo Silva RAJ, Nery IHAV, Silva TMS, Guerra MMP.
- 060 **Membrane fluidity and cell viability of fresh, cooled and frozen/thawed dog semen** - Sicherle CC, Freitas-Dell Aqua C, Ackermann CL, Derussi AAP, Mothé GB, Souza FF, Papa FO, Lopes MD.
- 061 **In vivo induced oxidative stress is efficiently detected by the CellROX Deep Red® probe in ram sperm** - Alves MBR, Andrade AFC, Arruda RP, Batissaco L, Lançoni R, Florez-Rodriguez SA, Oliveira BMM, Andrade MT, Ravagnani GM, Vellone VS, Celeghini ECC.
- 062 **Seminiferous tubule parameters after isotretinoin dose dependent treatment in young male Wistar rats** - Thomazini BF, Lamas CA, Canhassi GRS, Dolder H.

- 063 **Comparative study between hematocytometric method and the use of spectrophotometry for measuring sperm concentration of young Nelore bulls** - Cardeal C, Martins LF, Alberton LR, Boscarato AG, Rocha MV, Fernandes V, Rodrigues DP, Branco LA.
- 064 **Expression of estrogen receptor 1 isoform (ESR1-36) in rat Sertoli cells** - Lucas TFG, Lazari MFM, Porto CS.
- 065 **Relaxin affects cell organization and contact in a short term coculture of testicular cells** - Pimenta MT, Silva RP, Porto CS, Lazari MFM.
- 066 **Cryopreservation effects on the electrophoretic protein profile in Sanmartinero bull sperm membranes** - Carvajal M, Velásquez JG, Cardozo JA.
- 067 **Morphological characterization of the spermatids of *Pachycondyla marginata* (Hymenoptera: Formicidae)** - Leite LC, Oliveira PS, Mancini K.
- 068 **GFRA1 and DAZL proteins are expressed in the germ cell line in prepubertal canine testis** - Pieri NCG, Souza AF, Casals JB, Maçanares ACF, Meirelles FV, Ambrósio CE, Martins DS.
- 069 **Evidence of Sertoli cell progenitors and spermatogonial stem cell elements by label retaining cell approach in *Cyprinus carpio*** - Oliveira MA, Martinez ERM, Vigoya AAA, Bogerd J, Schulz RW, Nóbrega RH.
- 070 **Exosomal subunits in the primordial germ cells of male *Lithobates catesbeianus*: an immunohistochemistry and immunofluorescence study** - Caneguim BH, Baggio A, Valentini SR, Oliveira CC, Luz JS, Sasso-Cerri E.
- 071 **Assessment of the effects trypanosomiasis on reproduction of bovine experimentally infected** - Oliveira LAS, Caixeta JPS, Oliveira GC, Nascimento LFN, Monteiro DM, Vasconcelos AB.
- 072 **Mitochondrial status during sperm maturation in dogs** - Angrimani DSR, Losano JDA, Lúcio CF, Veiga GAL, Brito MM, Assumpção MEOA, Nichi M, Vannucchi CI.
- 073 **Anti-müllerian hormone (amh) in *Cyprinus carpio*: cloning, localization and endocrine regulation** - Martinez ERM, Oliveira MA, Severino FE, Vigoya AAA, Schulz RW, Bogerd J, Nóbrega RH.
- 074 **Phenotypic characterization of rat Sertoli cells located in the transition region between the seminiferous tubules and the rete testis** - Figueiredo AFA, França LR, Costa GMJ.
- 075 **Expression of PDILT in swine testis and epididymis** - Alves J, Schorr-Lenz ÂM, Benham A, Sperotto RA, Bustamante-Filho IC.
- 076 **A 2D SDS-PAGE study of seminal plasma of discarded boars** - Lucca E, Sontag RE, Bustamante-Filho IC.
- 077 ***Rhambdia quelen* vasa transcripts: molecular characterization tissue distribution and developmental expression profiles** - Ricci JMB, Martinez ERM, Schulz RW, Bogerd J, Nóbrega RH.
- 078 **Presence of PDILT and PDIA1 in swine epididymal fluid** - Schorr-Lenz ÂM, Alves J, Henckes NAC, Benham A, Bustamante-Filho IC.
- 079 **Is the chaperone ERp57 (PDIA3) secreted in the porcine epididymal lumen?** - Bustamante-Filho IC, Schorr-Lenz AM, Alves J, Henckes NAC, Benham A.
- 080 **Peccary testicular cytoarchitecture seems to be controlled by the seminiferous tubule components** - Oliveira SCR, Cardoso BRL, Costa GMJ, Carvalho MAM, França LR, Avelar GF.
- 081 **Domestic cat testicular aromatase activity as assessed by the tritiated water-release assay** - Meyer KB, Martino-Andrade AJ, Santos AS, Spercoski KM, Morais RN.
- 082 **Sertoli Cell Phenotype in adult bullfrog (*Lithobates catesbeianus*)** - Dias MC, Assis LHC, Segatelli TM, França LR.
- 083 **Spermatogenic efficiency in the spiny-rat, *Proechimys guyannensis* (Rodentia: Echimyidae)** - Lara NLM, Santos IC, Costa GMJ, Madureira AP, Zanini MS, França LR.
- 084 **Influence of year periods on testis morphometry, semen characteristics and seminal plasma proteins by SDS-PAGE in zebu and taurine** - Chacur MGM, Reis JDA, Tavares LS, Sanches K, Guaberto L, Alves VC, Oba E, Ramos AA.
- 085 **Comparative analysis of reproductive aspects in female *Tropidurus torquatus* (Tropiduridae) at different periods in the municipality of Cuiabá, Mato Grosso, Brazil** - Silva DFN, Ferreira A, Dolder H.
- 086 **Seasonal reproductive pattern in bucks isolated or permanently stimulated by estrous goats** - Giriboni J, Lacuesta L, Ungerfeld R.
- 087 **Reproductive parameters after puberty in lambs reared artificially or with their mothers** - Damián JP, Beracochea F, Machado S, Sauto R, Ungerfeld R.
- 088 **Dose dependent effect of cadmium on peroxidation and epididymis sperm profile** - Lamas CA,

Macedo ME, Tomazini BF, Dolder H.

- 089 Sodium arsenite effects on testicular parameters of Wistar rats** - Sertorio MN, Santos FC, Lima GDA, Souza ACF, Neves MM.
- 090 The environmental enrichment using coffee husk does not influence the acrosome integrity and osmotic resistance of boar cooled semen** - Rabelo SS, Teles MC, Silva WE, Barbosa JA, Zangeronimo MG, Rusa K, Resende CO.
- 091 Characteristics of fresh semen of breeding pigs submitted to environmental enrichment using coffee husk** - Teles MC, Rocha LGP, Coelho LM, Uchôa AS Chaves BR, Pontelo TP, Zangeronimo MG, Pereira BA.
- 092 Uterine inflammatory reaction caused by artificial insemination results in decreased serum concentrations of negative acute-phase protein** - Oliveira BMM, Maturana Filho M, Birgel Júnior EH, Pogliani FC, Storillo VM, Birgel DB, Serrano-Recalde EC, Celeghini ECC.
- 093 Methodology for the measurement of the endometrial thickness and uterine diameter in female cattle** - Leon VEG, Pereira JVTN, Santos GM, Blanco RD, Okano DS, Montes JC, Camilo BS, Castaño FA, Cardoso R, Benjamin LDA, Guimarães JD.
- 094 Morphofunctional remodeling and DNA damage in rat testes under single exposure to cadmium: individuality at pathological response levels** - Cupertino MC, Oliveira Neto MJ, Cardoso E, Matta SLP.
- 095 Ultrastructure of epididymis caput and cauda epithelium of aged rats** - Predes FS, Diamante MAS, Monteiro JC, Lamas C, Dolder H.
- 096 Effects of chronic exposure to Propiconazole in sexual behavior of F1 generation in female rats** - Silveira KM, Vieira ML, Costa NO, Montagnini BG, Gerardin DCC.
- 097 Estradiol and progesterone serum levels during the estrous cycle in Pelibuey ewes under Colombian tropical conditions** - Mora J, Adarme J, Scolari S, Gonella-Diaza AM, Atuesta-Bustos J.
- 098 Post-mating progesterone and estradiol serum levels in Pelibuey ewes housed under tropical conditions** - Luna YM, Scolari S, Atuesta JE, Gonella-Diaza ÂM.
- 099 Ultrastructural changes in the Leydig cells and plasma testosterone concentration of rats exposed to lead** - Costa KLC, Carvalho FAR, Cupertino MC, Freitas KM, Dolder H, Oliveira JA, Matta SLP.
- 100 Effects of exposure to di-(2-ethylhexyl) phthalate (DEHP) during lactation and puberty on sexual maturation and glycemic homeostasis in rats** - Venturelli AC, Morais RN, Grassioli S, Martino-Andrade AJ.
- 101 Oxidative status of Bos taurus bull semen undergoing testicular heat stress** - Losano JDA, Perez EGA, Dalmazzo A, Rocha CC, Tsunoda RH, Goes PAA, Rodrigues MP, Mendes CM, Assumpção MEOA, Barnabe VH, Nichi M.
- 102 Establishment of ewe-lamb link: differences in Corriedale x Corriedale and Texel x Corriedale lambs** - Freitas-de-Melo A, Ungerfeld R, Machado S, Wanka N, Grolero D, Cabrera E, Abud MJ, Alvarez-Oxiley A, Damián JP, Ramírez-Gómez S, Pérez-Clariget R.
- 103 Reproductive characteristics and proteins of seminal plasma and sperm membrane of male goats supplemented for long periods with de-oiled castor cake** - Oliveira CHA, Silva AM, van Tilburg MF, Silva LM, Fernandes CCL, Moura AA, Moreno FBMB, Monteiro-Moreira ACO, Moreira RA, Rondina D.
- 104 The presence of corpus luteum and their correlations with laparoscopic ovum pick-up yield of Anglo Nubian goats fed with different fat sources** - Nociti RP, Uscategui RAR, Padilha LC, Barros FFPC, Motta GA, Mariano RSG, Rola LC, Coelho CMM, Feliciano MAR, Vicente WRR, Oliveira MEF, Hossepian de Lima VFM.
- 105 Evaluation of cashew nut meal inclusion in the diet of male goats: preliminary data** - Lopes Filho FWM, Cavalcante YA, Lacerda GF, Lima NC, Vilar EL, Hoyos-Marulanda V, Oliveira RV, Moura AAA.
- 106 In vitro maturation of agouti's oocytes (Dasyprocta prymnolopha, Wagler 1831)** - Ferraz MS, Moraes Júnior FJ, Pessoa GT, Bezerra DO, Almeida HM, Feitosa MLT, Bertolini M, Carvalho MAM.
- 107 Identification and molecular characterization of CXCR4-positive bovine spermatogonial cells** - Goissis MD, Giassetti MI, Worst RA, Mendes CM, Moreira PV, Assumpção MEOA, Visintin JA.
- 108 Effect of catalase, superoxide dismutase, and reduced glutathione diluted in LDL extender on ovine sperm viability after freezing thawing process** - Snoeck PPN, Neves MM, Moura LCO, Clemente CAA, Loaiza-Echeverri AM, Neves BP, Oliveira ACD, Silva MA, Heneine LGD, Henry M.
- 109 Epigallocatechin gallate: hero or villain on frozen goat semen?** - Silva ECB, Arruda LCP, Silva SV, Souza HM, Lima Filho JAC, Guerra MMP.
- 110 Effect of cyclodextrin-loaded cholesterol conjugates on plasma membrane viability of Piau swine**

- breed frozen/thawed spermatozoa - Pinho RO, Lima DMA, Shiomi HH, Siqueira JB, Silveira CO, Faria VR, Lopes OS, Guimarães SEF, Guimarães JD.
- 111 **Kinetics of sperm recovered from the cauda epididymis of sheep fed with Tifton-85 and alfalfa hay** - Silva KMG, Moura CS, Venâncio AKLP, Silva JRC, Oliveira BSP, Monteiro MM, Moura TCM, Silva SV, Soares PC, Vêras ASC, Guerra MMP.
- 112 **Time course study of inhibitory action of roscovitine in sheep oocytes** - Crocomo LE, Marques Filho WC, Ulian CMV, Branchini NS, Silva DT, Landim-Alvarenga FC, Bicudo SD.
- 113 **Enrichment of bovine spermatogonial cells by differential plating** - Giassetti MI, Goissis MD, Barros FRO, Moreira PV, Worst RA, Mendes CM, Assumpção MEOA, Visintin JA.
- 114 **Microfilaments organization and meiosis kinetics in bovine oocytes treated with meiotic inhibitors during transportation** - Dall'Acqua PC, Leão BCS, Rocha-Frigoni NAS, Gottardi FP, Mingoti GZ.
- 115 **Semen extraction in anaesthetized mouflons (*Ovis musimon*): comparison of electroejaculation and transrectal ultrasound-guided massage of the accessory sex glands** - Ungerfeld R, Estesio MC, Pradice J, Toledano A, Castaño C, López-Sebastián A, Santiago-Moreno J.
- 116 **TUNEL assay for apoptosis assessment of bovine oocytes *in vitro* matured with PVA, IGF-1, LongR3-IGF-1 or BFS** - Araujo MS, Volpato R, Guastali MD, Monteiro BA, Dias MC, Ikeda TL, Jardina DT, Castilho ACS, Landim-Alvarenga FC.
- 117 **Cooled semen with skimmed milk, yolk-glycine and modified yolk-glycine extenders in Nelore bulls (*Bos taurus indicus*)** - Andrade IB, Chacur MGM, Souza CD, Cartocci JS, Ruediger FR, Bastos GP, Giuffrida R.
- 118 **Cryopreservation of Pampas deer semen with Andromed or Triladyl extenders** - Beracochea F, Sitya V, Gil J, Ungerfeld R.
- 119 **The role of IGF-I on developmental competence of oocytes recovered from Holstein and Nelore cows undergoing heat stress** - Risolia PHB, Ferraz ML, Ispada J, Ticianelli JS, Gurgel M, Rodrigues TA, Gonçalves DR, Renno FP, Assumpção MEOA, Visintin JA, Orlandi CMB, Paula-Lopes FF.
- 120 **Viability of spermatozoa recovered from equine epididymis after refrigeration at 4°C for 48 h** - Andrade Jr LRP, Pereira LF, Souza FF, Conforti VA.
- 121 **Influence of caffeine and chlorogenic acid on the integrity of the sperm membrane and the rate of lipid peroxidation in boar semen stored at 15°C for 72 hours** - Furtado ALG, Zangeronimo MG, Resende CO, Pontelo TP, Rabelo SS, Mendez MFB, Silva WE, Pereira BA.
- 122 **Osmotic resistance and acrosome integrity of boar semen frozen with addition of chlorogenic acid in freezing media** - Silva WE, Rocha LGP, Chaves BR, Resende CO, Mendez MFB, Pereira BA, Zangeronimo MG.
- 123 **Imprinted genes during the process of pluripotency acquisition in bovine cells** - Lima MA, Bressan FF, Meirelles FV, Perecin F.
- 124 **Evaluation of motility, vigor and total amount of sperm morphological abnormalities of boar semen stored at 15°C added chlorogenic acid and caffeine** - Barbosa JA, Pereira BA, Zangeronimo MG, Rusa K, Pontelo TP, Uchôa AS, Rabelo SS, Teles MC.
- 125 **Effect of chlorogenic acid on sperm viability and total amount of sperm morphological abnormalities after thawing** - Rocha LGP, Uchôa AS, Furtado ALG, Coelho LM, Rusa K, Zangeronimo MG, Barbosa JA.
- 126 **Objective assessment of the effect of different extenders on frozen-thawed epididymal sperm from collared peccaries (*Pecari tajacu*)** - Bezerra JAB, Praxedes ECG, Silva AM, Souza ALP, Castelo TS, Campos LB, Silva AR.
- 127 **Evaluation of cholesterol incorporation to the goat sperm membrane by the perivitelline membrane of hen's egg yolk binding test and gas chromatography** - Maitan PP, Silveira CO, Oliveira JCD, Guimarães JD, Silveira RO.
- 128 **Comparative analysis of three extenders for buffalo semen cryopreservation** - Brito MF, Neves BP, Andrade GO, Gouvêa RR, Almeida J, Henry M.
- 129 **Oocyte recovery from Santa Ines ewes subjected to laparoscopy follicular aspiration by a modified lateral position approach** - Mariano RSG, Padilha LC, Usategui RAR, Barros FFPC, Coutinho LN, Nociti RP, Correa VJ, Oliveira MG, Silva MAM, Teixeira PPM, Vicente WRR.
- 130 **Gestation rate of Santa Ines breed ewes synchronized with ovsynch protocol using artificial insemination or natural matting** - Moya-Araujo CF, Dalcin AHE, Machado Jr JP, Camplesi AC, Araujo GHM.
- 131 **Pregnancy rates after using a FTAI protocols with different doses of GnRH in nelore cows** - Alves JER, Ozéas LHD, Manfrim TAR, Santos GL, Araujo GHM, Moya-Araujo CF.
- 132 **Different transport periods and temperatures of slaughterhouse ovaries on qualitative-**

- quantitative parameters evaluated by morphological criteria and brilliant cresyl blue test in bovine oocytes** - Queiroz Neta LB, Santos MLT, Borges AA, Santos MVO, Feitosa AKN, Pereira AF.
- 133 **Evaluation of bovine immature oocyte quality using brilliant cresyl blue and trypan blue** - Santos MVO, Santos MLT, Borges AA, Queiroz Neta LB, Feitosa AKN, Pereira AF.
- 134 **Morphological distinct sperm cells subpopulations determined by harmonic Fourier descriptors and cluster analysis are found in ejaculates of *Bos taurus taurus* and *Bos taurus indicus* bulls** - Santos APC, Pereira CR, Rosa RG, Safadi T, Souza JC, Horgan G, Braga Jr RA, Barreto Filho JB.
- 135 **Comparison of pregnancy rate between primiparous and multiparous Nelore heifers submitted to fixed time artificial insemination** - Grillo GF, Guimarães ALL, Silva AF, Palhano HB.
- 136 **Horse spermatogonial stem cell cryoreservation and transplantation** - Cardoso BRL, Avelar GF, Lacerda SMSN, França LR, Costa GMJ.
- 137 **Efficient gene delivery to Nile tilapia's male germline stem cells by using functionalized carbon nanotubes** - Tonelli FMP, Lacerda SMSN, Ladeira LO, França LR, Resende RR.
- 138 **Cryopreservation of testicular tissue: a potential tool for the conservation of male genetic material from collared peccaries (*Pecari tajacu*)** - Borges PAC, Lima GL, Bezerra JAB, Souza ALP, Peixoto GCX, Praxedes ECG, Silva AR.
- 139 **Final maturation and ovulation in *Leporinus macrocephalus* submitted to different hormonal treatments** - Pereira TSB, Moreira RG, Batlouni SR.
- 140 **Innovative use of Aloe vera as a cryoprotectant for the collared peccaries (*Pecari tajacu*) semen freezing** - Souza ALP, Lima GL, Peixoto GCX, Bezerra JAB, Silva AM, Oliveira MF, Silva AR.
- 141 **Histological evaluation of ear tissue of collared peccary (*Pecari tajacu*) after different vitrification techniques** - Borges AA, Lima GL, Santos MLT, Queiroz Neta LB, Praxedes ECG, Santos MVO, Oliveira MF, Silva AR, Pereira AF.
- 142 **Aloe Vera use on short-term preservation of Collared Pecari (*Pecari tajacu*) semen** - Lago AEA, Nascimento HHL, Souza ALP, Bezerra JAB, Silva AM, Castelo TS, Silva AR.
- 143 **Duration of spermatogenesis in the "common vampire bat", *Desmodus rotundus* (Geoffroy, 1810) (Chiroptera: Phyllostomidae: Desmodontinae)** - Talamoni SA, Cordeiro-Júnior DA, Costa GMJ, Figueiredo AFA, Melo MIV, Notini AA, Farias TO, Godinho HP, França LR.
- 144 **Viability evaluation of Curimba (*Prochilodus lineatus*) spawned oocytes after *in vitro* storage** - Paiva IM, Castro TFD, Lima IA, Carvalho AFS, Ramos SE, Paula DAJ, Murgas LDS.
- 145 **Curimba (*Prochilodus lineatus*) sperm DNA fragmentation under different freezing curves** - Paula DAJ, Castro TFD, Paiva IM, Lima IA, Reis Neto RV, Fabrini BC, Marcussi S, Murgas LDS.
- 146 **Colonization and proliferation of GFP rat germ cells transplanted to tilapia (*Oreochromis niloticus*) testes** - Procópio MS, Lacerda SMSN, Ribeiro LD, Moreira BN, França LR.
- 147 **Jundiá catfish (*Rhamdia quelen*) germ cell transplantation using the Nile-tilapia (*Oreochromis niloticus*) as a sexually mature recipient fish** - Silva MA, Lacerda SMSN, Silva Júnior AF, Costa GMJ, Alvarenga ER, França LR.