**W3112 Published Abstracts**

1. D. E. Martin, A.K. Jones, S. M. Pillai, M. L. Hoffman, K. K. McFadden, K. E. Govoni, S. A. Zinn, and S. A. Reed. 2017. Effects of poor maternal nutrition and gender on satellite cell metabolism in lambs. J. Anim. Sci. Vol 95, Suppl 4.
2. M. C. Wynn, A. K. Jones, M. L. Hoffman, S. M. Pillai, K. K. McFadden, S. A. Reed, S. A. Zinn, and K. E. Govoni. 2017. The effects of poor maternal nutrition during gestation on the number of Pax7-positive myogenic progenitor cells. J. Anim. Sci. Vol 95, Suppl 4.
3. A. K. Jones, S. M. Pillai, M. L. Hoffman, K. K. McFadden, K. E. Govoni, S. A. Zinn, S. A. Reed. 2017. Maternal restricted and overfeeding during gestation alters offspring gene expression of inflammatory markers in the liver at day 135 of gestation and at birth. J. Anim. Sci. Vol 95, Suppl 4.
4. Bishop M.O., Stevens J.R., and Isom S.C. (2017) “Statistical methods for assessing individual oocyte viability through gene expression profiles.” *Proceedings of Conference on Applied Statistics in Agriculture*.
5. Pillai S.M., Hoffman M.L., Jones A.K., McFadden K.K., Stevens J.R., Zinn S.A., Reed S.A., and Govoni K.E. (2017) Poor maternal nutrition during gestation alters muscle gene expression in fetal offspring. *Journal of Animal Science* 95(suppl4):150-150. (Published poster abstract from American Society of Animal Science annual meeting.
6. Page, C. M., I. McGregor, M. L. Van Emon, T. W. Murphy, C. K. Larson, J. G. Berardinelli, W. C. Stewart. 2017. Effects of zinc source and dietary concentration on zinc status, growth performance, and wool characteristics in developing rams. Presented at the 89th Annual Meeting of the West. Sec. Amer. Soc. Anim. Sci., Fargo, ND. No. 017.
7. Lambert, M. R., White, J., Copie, V., Butler, C., Garrott, R., Berardinelli, J. (2017). Using nuclear magnetic resonance (NMR) metabolic profiling to distinguish herds of bighorn (Ovis canadensis) sheep (5th ed., vol. 23, pp. 1). Bozeman, MT: Intermountain Journal of Sciences (IJS)
8. Page, C. M., I. McGregor, M. L. Van Emon, T. W. Murphy, C. K. Larson, J. G. Berardinelli, W. C. Stewart. 2017. Effects of zinc source and dietary concentration on zinc status, growth performance, and wool characteristics in developing rams. Presented at the 89th Annual Meeting of the West. Sec. Amer. Soc. Anim. Sci., Fargo, ND. No. 017.
9. Lents CA; Thorson JF; Adams H; Petersen SL; Prezotto LD; Berry E; Nonneman DJ. Nutritional regulation of LH secretion in gilts: Hypothalamic expression of kisspeptin and neurokinin B. Journal of Animal Science
10. Prezotto LD; Thorson JF; Redmer D; Grazul-Bilska A. Nutritionally-Induced Plasticity of the Blood-Brain Barrier in Adult Ewes. Endocrine Reviews Supplement; 2017.
11. Prezotto LD; Thorson JF; Boss D. Changes in temporal concentrations of fibroblast growth factor 21 (FGF21) in beef heifers. Journal of Animal Science 2017; 68:274-277.
12. Wijesena HR; Lents CA; Keel BN; Thorson JF; Sullivan GA; Kachman SD; Ciobanu DC. Variation in gene expression in the hypothalamic arcuate nucleus of gilts with differences in pubertal status and subjected to dietary energy restriction. Plant and Animal Genome Conference 2017; P1168.
13. Wijesena HR; Lents CA; Trenhaile-Grannemann MD; Riethoven JJ; Keel BN; Thorson JF; Miller PS; Johnson RK; Spangler ML; Kachman SD; Ciobanu DC. The roles of age at puberty and energy restriction in sow reproductive longevity: a genomic perspective. Journal of Animal Science 2017; 95(5):12.
14. Moraes, J. G. N., T. W. Geary, P. J. Hansen, H. L. Neibergs, S. Behura, J. V. Bishop, T. R. Hansen, and T. E. Spencer. 2017. Conceptus Elongation in Beef Heifers with Superior Uterine Capacity for Pregnancy. Biol. Reprod. 99(Suppl. 1) SSR 2017
15. Perry, G. A. T. W. Geary, J. A. Walker, J. J. J. Rich, E. J. Northrop, S. D. Perkins, C. L. Mogck, M. L. Van Emon, A. L. Zezeski, and R. F. Daly. 2017. Influence of Vaccination with a Combined Chemically Altered/Inactivated BHV-1/BVD Vaccine or a Modified Live Vaccine on Reproductive Performance in Beef Cows and heifers. ASAS 2017
16. Monnig, J. M. J. A. Green, K. G. Pohler T. W. Geary, and M. F. Smith. 2017. Effect of ovulatory follicle size before the preovulatory gonadotropin surge on the follicular wall transcriptome in beef cows. Biol. Reprod. 99(Suppl. 1): SSR 2017.
17. Jones, C. J. P., W. J. Silvia, C. H. Hamilton, T. W. Geary, A. L. Zezeski, and F. B. P. Wooding. 2017. The placenta of the pronghorn (*Antilocapra americana*) shows features of both Giraffidae and Bovidae in the glycosylation and immunocytochemistry of its binucleate cells. IFPA
18. Moraes, J. G. N., T. W. Geary, P. J. Hansen, H. L. Neibergs, S. Behura, T. R. Spencer, and T. E. Spencer. 2017 Conceptus elongation in beef heifers with superior uterine capacity for pregnancy. SBTE
19. Douglas, R. T., E. E. Beck, J. J. J. Rich, E. J. Northrop, S. D. Perkins, T. W. Geary, J. A. Walker, and G. A. Perry. 2018. Effects of pre- and post-insemination maternal plane of nutrition on estrus and embryo development. Midwest Section ASAS.
20. Beck, E. E., R. T. Douglas, J. J. J. Rich, E. J. Northrop, S. D. Perkins, T. W. Geary, G. A. Perry, and J. A. Walker. 2018. Effects of pre- and post-insemination maternal plane of nutrition on peripheral and uterine luminal fluid metabolites. Midwest Section ASAS
21. M. M. Woods, M. J. Ellison, J. M. Thomas, and J. B. Hall. 2017. Effect of feed efficiency and sexed semen on pregnancy rate and early embryonic mortality in beef heifers. Proc. West. Sec. Am. Soc. Anim. Sci. 68:316.
22. Kelly A.C., Davis M.A., Camacho L.E., Davenport H.M., Steffens N.R., Limesand S.W. (2018) Loss of Uncoupling Protein 2 Explains Hyper-Insulin Secretion Following Persistent Adrenergic Receptor Signaling in Fetal Sheep Islets. Society for Reproductive Investigation 65th Annual Scientific Meeting. Abstract O-061.
23. Pendleton, A.L. R.M. Smith, L.E. Camacho, M.J. Anderson, R.E. Allen, S.W. Limesand. (2018) Enhanced Skeletal Muscle Satellite Cell Differentiation and Altered TGFβ Signaling in Lambs with Intrauterine Growth Restriction. Reproductive Investigation 65th Annual Scientific Meeting. Abstract.
24. Davis, M.A. L.E. Camacho, M.J. Anderson, N.R. Steffens, A.C. Kelly, S.W. Limesand. (2018). Oxygen and Glucose Chronically Elevated Norepinephrine Concentrations Impair Glucose Uptake in Sheep Fetuses. Society for Reproductive Investigation, 65th Annual Meeting. Abstract S-063.
25. Camacho LE, Davis MA, Steffens NR, Kelly AC, Limesand SW. 2018. Oxygen and Glucose Correction Improves Insulin Secretion in Sheep Fetuses with Placental Insufficiency. Society for Reproductive Investigation, 65th Annual Meeting. Abstract S-082.
26. Camacho, L.E., M.A. Davis, N.R. Steffens, A.C. Kelly, M.J. Anderson, S.W. Limesand. (2018). Oxygen and Glucose Correction Reestablished Insulin-Stimulated Glucose Utilization Rates in Sheep Fetuses with Placental Insufficiency. Society for Reproductive Investigation, 65th Annual Meeting. Abstract T-081.
27. Camacho, L.E., M.A. Davis, N.R. Steffens, S.W. Limesand. (2018) Oxygen and Glucose Correction Improves Insulin Secretion in Sheep Fetuses with Placental Insufficiency. Reproductive Investigation 65th Annual Scientific Meeting. Abstract S-082.
28. Rasmussen LM and Craig ZR. “Effects of in vivo exposure to di-n-butyl phthalate on ovulation, fertilization, and embryo development in the mature superovulated mouse”. Annual Meeting of the Society of Toxicology. San Antonio, TX. March 11-15, 2018.
29. Rasmussen LM and Craig ZR. “Effects of in vivo exposure to di-n-butyl phthalate on ovulation, antral follicle counts, and serum progesterone in the mature superovulated mouse”. Presentation at the Annual Meeting of the Society for the Study of Reproduction. New Orleans, LA. July 10-13, 2018.
30. Jauregui EJ, Liu X, Beltran-Gastelum J, Craig ZR. “Exposure to Di-n-butyl Phthalate Alters IGF1 Expression and Causes Ovarian Toxicity in the Adult Mouse”. Annual Meeting of the Society for the Study of Reproduction. New Orleans, LA. July 10-13, 2018.
31. Nunez FM, Liu X, Craig ZR. “Environmentally-relevant exposure to dibutyl phthalate (DBP) results in decreased expression of Brca1 in the adult mouse ovary”. Annual Meeting of the Society for the Study of Reproduction. New Orleans, LA. July 10-13, 2018.
32. Ziegler, R. L., K. J. Austin, J. E. Blake , J. E. Rowell, A. S. Cupp, M. P. Shipka, B. M. Alexander. 2018. Depo-Provera Increases Neural activity in the Central Amygdala of Reindeer Bulls. WSASAS. Bend, OR and Rocky Mountain Reproduction Sciences Symposium, Fort Collins, CO.
33. Nafziger, S, MA Abedal-Majed, S. Tenley, A Summers, M Hart, G. Harsh, J Bergman, S. Kurz, JR Wood, RA Cushman, AS Cupp. Endocrine profiles during attainment of puberty may predict reproductive longevity in heifers. October 2017 Gil Greenwald Reproductive Symposium UKMC, Poster and Flash talk.
34. Abedal-Majed, MA, ML Hart, V Largen, MPS Magamage, SG. Kurz, KM. Sargent, J Bergman, RM McFee, RA Cushman, JS Davis, JR Wood and **AS Cupp** Ovarian Cortex from High A4 cows secretes excess A4, and exhibits increased oxidative Stress, and arrested follicle development which can be partially rescued by Angiogenic VEGFA isoforms. October 2017 Gil Greenwald Reproductive Symposium UKMC, Poster and Flash talk. Received Best Poster for Graduate Student Award.
35. Abedal-Majed, MA, ML Hart, V Largen, MPS Magamage, SG. Kurz, KM. Sargent, J Bergman, RM McFee, RA Cushman, JS Davis, JR Wood and **AS Cupp**. Ovarian Cortex from High A4 Cows Secretes Excess A4, and Exhibits Increased Oxidative Stress, Macrophage Markers and Arrested Follicle Development Which can be Partially Rescued by Angiogenic VEGFA Isoforms. (SSR 2017), Washington DC.
36. Hart ML, MA. Abedal-Majed, R Spuri Gomes, SG. Kurz, JW Bergmann, RM McFee, CO Lemley, CA Casey, JS Davis, JR. Wood, and **AS Cupp**. Reduced Sex Hormone Binding Globulin in Excess High Androstenedione Cows may be due to Alterations in Metabolism and Liver Function (SSR 2017), Washington DC.
37. SM Romereim, AF Summers, WE Pohlmeier, RM McFee, R Spuri Gomes, SG Kurz, JS Davis, JR Wood, AS Cupp. A High-Androgen Microenvironment Inhibits Granulosa Cell Proliferation and May Alter Cell Identity. (SSR 2017), Washington DC.
38. S Nafziger, MA Abedal-Majed, SC Tenley, AF Summers, ML Hart, G Harsh, JW Bergman, SG Kurz, JR Wood, RA Cushman, **AS. Cupp**. Endocrine Profiles during Attainment of Puberty may Predict Reproductive Longevity in Heifers (SSR 2017) Washington DC
39. INVITED TALK ASAS 2017: **AS Cupp,** JR Essink, ML Cable, WE Pohlmeier, MM Laughlin and KM Sargent. Divergent Vascular Endothelial Growth Factor A (VEGFA) Signaling Determines Spermatogonial Stem Cell Fate. (ASAS 2017)
40. Ziegler, R. L., K. J. Austin, J. E. Blake , J. E. Rowell, A. S. Cupp, M. P. Shipka, B. M. Alexander. 2018. Medroxyprogesterone Acetate Increases Neural activity in the Central Amygdala of Reindeer Bulls. WSASAS. Bend, OR and Rocky Mountain Reproduction Sciences Symposium, Fort Collins, CO.
41. McCarty, K. J., M. P. T. Owen, C. G. Hart, K. C. Yankey, R. C. Thompson, D. D. Burnett, E. H. King, R. M. Hopper, and C. O. Lemley. 2017. Effect of melatonin supplementation during mid- to late- gestation on maternal uterine blood flow and calf size at birth. Abstract: 487. ASAS National Meeting, Baltimore, MD.
42. McCarty, K. J., M. P. T. Owen, C. G. Hart, K. C. Yankey, T. Smith, and C. O. Lemley. 2017. Effect of melatonin supplementation from mid- to late- gestation on hair growth and skin temperature of beef cattle. Abstract: 71. ASAS National Meeting, Baltimore, MD. National ASAS MS student poster competition 1st place winner July 9, 2017.
43. Owen, M. P. T., K. J. McCarty, K. C. Yankey, C. N. McGee, C. G. Hart, and C. O. Lemley. 2017. Examining uterine endometrial blood perfusion using a novel laser Doppler technique in Angus cows. Abstract: 481. ASAS National Meeting, Baltimore, MD.
44. Owen, M. P. T., K. J. McCarty, M. M. Steichen, C. D. Sanford, L. B. Canal, P. L. P. Fontes, N. Oosthuizen, N. DiLorenzo, K. A. Vonnahme, G. C. Lamb, and C. O. Lemley. 2017. Effects of biweekly administration of recombinant bovine somatotropin on steroid metabolizing enzymes during early gestation. Abstract: 105. ASAS National Meeting, Baltimore, MD.
45. McGee, C. N., M. P. T. Owen, K. J. McCarty, C. G. Hart, K. C. Yankey, E. H. King, R. M. Hopper, D. D. Burnett, and C. O. Lemley. 2017. Charactering fetal liver and placental steroid eicosanoid metabolizing enzymes from dams supplemented with melatonin. Abstract: 121. ASAS National Meeting, Baltimore, MD.
46. Sanford, C. D., N. Oosthuizen, P. L. P. Fontes, L. B. Canal, K. A. Vonnahme, C. O. Lemley, N. DiLorenzo, and G. C. Lamb. 2017. The effects of biweekly administration of recombinant bovine somatotropin during the first trimester on fetal development in gestating beef heifers. Abstract: 320. ASAS National Meeting, Baltimore, MD.
47. Thompson, R. C., K. J. McCarty, A. T. Sukumaran, R. L. Lemire, E. H. King, R. M. Hopper, C. O. Lemley, T. T. N. Dinh, and D. D. Burnett. 2017. Effect of maternal melatonin supplementation during mid- to late- gestation on fatty acid composition in maternal and fetal plasma and perirenal adipose tissue collected from bovine fetuses at 240 days of gestation. Abstract: 307. ASAS National Meeting, Baltimore, MD.
48. Larson, J. E., G. R. Gunnam, K. C. Yankey, M. P. T. Owen, M. M. Steichen, K. J. McCarty, A. E. Stone, and C. O. Lemley. 2017. Additional exercise among grazing dairy cows and effects on uterine blood flow, milk production, and milk quality parameters. Abstract: 516. ASAS National Meeting, Baltimore, MD.
49. Ali, A., K.M. Jeckel, R.V. Anthony, G.J. Bouma and Q.A. Winger. 2017. Let-7 miRNAs regulate ARID3A/B complex which controls expression of stem cell genes in human trophoblast cells. 50th Annual Society for the Study of Reproduction meeting.
50. Welton K, Mehaffy C, J. P, Wolfe L, Hansen TR. Method Development for the Detection of Interferon-tau to Determine Early Pregnancy in Cattle. Celebrate Undergraduate Research and Creativity, Colorado State University 2017; Research Poster, April 25th, 2017.
51. Moraes JGN, Geary TW, Hansen PJ, Neibergs H, Behura S, Bishop JV, Hansen TR, Spencer TE. Conceptus elongation in beef heifers with superior uterine capacity for pregnancy. Society for the Study of Reproduction, Washington, DC, July 13-16 2017:100; Abstract, Poster.
52. McWhorter E, Van Campen H, Bishop J, Bowen R, Winger Q, Mathiason C, Bouma G, Hansen T. Maternal Influenza A Virus Infection, Fetal Growth and Placental Morphology. Rocky Mountain Reproductive Sciences Symposium 2017; 10:Page 43; ; Abstract; Platform talk.
53. Knapek KJ, Bishop JV, Vancampen H, Hansen TR. Immunological gene expression changes in the fetal thyumus after maternal infection with bovine viral diarrhea virus. CRWAD 2017; 98th Conference of Workers in Aimal Disease:120.
54. Knapek KJ, Bishop JV, H. VC, Hansen TR. Maternal infection with bovine viral diarrhea virus impairs thymic gene expression in the bovine fetus. Americal Association for Laboratory Animal Science 2017; 68th AALAS National Meeting:7.
55. Knapek K, Bishop J, Van Campen H, Hansen T. Maternal Infection with Bovine Viral Diarrhea Virus Impairs Gene Expression in the Bovine Fetal Thymus. Rocky Mountain Reproductive Sciences Symposium 2017; 10:42.
56. Hansen TR, Van Campen H, Bishop JV, Knapek K. Ronald D. Randel Lectureship Part II: Interferons during early pregnancy and fetal response to viral infection. American Society of Animal Science, Southern Section 2017; Franklin, TN; February 4-7:67; 33.
57. Hansen TR. Interferons: Establishment of Pregnancy and Fetal Antiviral Responses. Washington State University Center for Reproductive Biology Retreat 2017; Orofino, ID.
58. Dilyara A. Murtazina, J. Alejandro Arreguin-Arevalo, Jeremy D. Cantlon, Christianne Magee, Ali Ebrahimpour Boroojeny, Akash Shrestha, Jennifer Hicks, Kenneth Jones, Hamidreza Chitsaz, Terry M. Nett and Colin M. Clay. 2018. RNA-seq analysis of an enriched ovine gonadotrope population using adenoviral-mediated targeting of green fluorescent protein. Colorado State University College of Veterinary Medicine Research Day.
59. Quail, L.K., M.E. Mund, D.A. Neuendorff, R.A. d’Orey Branco, J.P. Banta, T.H. Welsh, Jr. and R.D. Randel. 2018. Relationships between antral follicle numbers and postpartum interval in multiparous Brahman cows. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #28.
60. O’Daniels, S.E., D.G. Riley, D.A. Neuendorff, T.D. Forbes, J.P. Banta, T.H. Welsh, Jr., F.M. Rouquette, Jr. and R.D. Randel. 2018. Comparison of three methods of determining feed efficiency on productivity of Brahman heifers. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #80.
61. White, S.H., C.M. Latham, C.R. Long, R.D. Randel and T.H. Welsh, Jr. 2018. Differing mitochondrial capacity in two separate skeletal muscles from calm and temperamental Brahman heifers. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #88.
62. Mund, M.E., L.K. Quail, C.L. Cook, D.A. Neuendorff, J.P. Banta, T.H. Welsh, Jr. and R.D. Randel. 2018. Influence of cell mediated immune responses of Brahman cows on postpartum interval, colostral immunoglobulin concentration and growth of their calves. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #91.
63. Liu, W.-S., Zhang, YY., Wang, A.H. (2017) Sex chromosome-linked cancer/testis antigens (CTAs) and male fertility in cattle. Conference Abstract, the 36th International Society for Animal Genetics Conference (ISAG), July 16-21, Dublin, Ireland. MT342.
64. Zhang, Y.Y., Liu, W.-S., Deng, X.M. (2017) Estimation of the effective population size in sheep based on recombination rate by the LD method. Conference Abstract, International Plant and Animal Genome Research (PAG) XXVI, January 13-18, 2017. San Diego, CA. P1148.
65. Dechow, C.D., Liu, W.-S. (2017) Genome-wide DNA methylation patterns and differential methylation in leukocytes from Holstein cattle. Conference Abstract, ADSA Annual Meeting, June 25-28, Pittsburg, PA. P380.
66. Lu, C., Wu, W.W., Zhang, J.B., Zhao, Y.Q., Ocon-Grove, O.M., Diaz, F., Liu, W.-S. (2017) Blockage of the bovine PRAMEY protein with an anti-PRAMEY antibody leads to an increased rate of polyspermy in in vitro fertilization (IVF). Conference Abstract, the 50th Annual Meeting of the Society for the Study of Reproduction (SSR2017), July 13-16, Washington, D.C. P284.
67. T.B. Ault, B.A. Clemmons, F.G. Dantas, G.A. Franco, S.T. Reese, P.R. Myer, and K.G. Pohler. 2018. Transformation of uterine and vaginal bacteriome throughout synchronization protocol between pregnant and non-pregnant postpartum cows. SSR 2018.
68. G.A. Franco, T. S. Maia, R.F.G. Peres, C.F.G. Martins, S. T. Reese, J.L.M. Vasconcelos and K.G. Pohler. 2018. Quantification of PAG genes in semen of high and low fertility sires using droplet digital PCR. International Ruminant Reproduction Meeting 2018.
69. Dantas, F.G., R.V. Oliveira Filho, R.S. Carvalho, G.F. Araugo, S.T. Reese, C.R. Abbott, R.R. Payton, J. Russell, J.L. Edwards, J.K. Smith and K.G. Pohler. 2017. Effect of complexed trace minerals on oocyte and embryo production in beef cattle. International Embryo Technology Society Meeting. Bangkok, Thailand.
70. Reese, S.T., M.C. Pereira, J.L.M Vasconcelos and K.G. Pohler. 2017. Utilizing day 24 pregnancy associated glycoprotein concentrations to diagnosis pregnancy in *Bos indicus* influenced cattle. Brazilian Embryo Transfer Society Meeting. Cabo de Santo Agostinho, PE.
71. Madureira, A.M.L., G.A. Franco, T.G. Guida, J.L. Edwards, F.N. Schrick, J.L.M. Vasconcelos, R.L.A. Cerri, K.G. Pohler. 2017. Effect of size and position of the reproductive tract on concentrations of bovine pregnancy associated glycoproteins and the relationship with fertility. ASAS-SSR Triennial Reproduction Symposium. Washington, D.C.
72. Prosser, S.Z., C.J. Maxam, K.E. Quinn, and R.L. Ashley. 2017. In utero inhibition of chemokine receptor four signaling alters peripheral blood immune response during early pregnancy in ewes. 89th Annual Meeting of Western Section American Society of Animal Science.
73. SL Rosasco, EJ Scholljegerdes, SH Cox, RC Dunlap, DM Hallford, and AF Summers. 2017. Influence of increased nutrient intake pre- and post-breeding on performance and reproductive efficiency of beef heifers. 89th Annual Meeting of Western Section American Society of Animal Science.
74. JK Beard, GA Silver, EJ Scholljegerdes, and AF Summers. 2017. The effect of precipitation received during gestation on progeny performance in Bos indicus-influenced beef cattle. 89th Annual Meeting of Western Section American Society of Animal Science.
75. Considine, M. M., A. Ghenenis, C. Pankey, Q. Wang, J. F. Odhiambo, S. P Ford, P.W. Nathanielsz. 2018. Effects of Maternal Obesity on Body Fat Composition in Aged F1 Ewes. Rocky Mountain Reproduction Sciences Symposium, Fort Collins, CO.
76. Pankey, Chris L., Carey Edwards, Qiurong Wang, John F. Odhiambo, Adel Ghnenis, Peter W. Nathanielsz, Stephen P. Ford. 2018. Maternal obesity (MO) results in altered cardiovascular (CV) function in young and aged offspring (F1). Society for Reproductive Investigation.
77. Pankey, Chris L., John F. Odhiambo, Ashley M. Smith, Peter W. Nathanielsz, Stephen P. Ford. 2018. Maternal Obesity in Sheep Programs Metabolic Syndrome (MS) across Multiple Generations. Society for Reproductive Investigation.
78. Pankey, Chris L. Peter W. Nathanielsz, Stephen P. Ford. 2018. Maternal Obesity in Sheep Increases Aortic Collagen:Elastin Ratio and Hypertension. Society for the Study of Reproduction.
79. Sutton, C. M., R. L. Ziegler, K. J. Austin, B. M. Alexander. 2018. Evidence of TRPM8 channels in the ram brain: Quantitative comparison of TRPM8 positively stained neurons in the hypothalamus and amygdala of rams categorized behaviorally as low or high sexual performers. WSASAS. Bend, OR and Rocky Mountain Reproduction Sciences Symposium, Fort Collins, CO.
80. Wang, Qiurong, John F. Odhiambo, Peter W. Nathanielsz, Stephen P. Ford, Jun Ren, Wei Guo. 2018. RBM39 is Vital for Maternal Obesity Induced Fetal Sheep Cardiac Contractile dysfunction by Regulating Myocardial Autophagy. American Heart Association.
81. Wang, Qiurong, John F. Odhiambo, Chris Pankey, Adel Ghnenis, Peter W. Nathanielsz, Stephen P. Ford, Wei Guo. 2018. Molecular Basis of Maternal Obesity Induced Fetal Cardiac Contractile Dysfunction. American Heart Association.
82. Ziegler, R. L., K. J. Austin, J. E. Blake , J. E. Rowell, A. S. Cupp, M. P. Shipka, B. M. Alexander. 2018. Depo-Provera Increases Neural activity in the Central Amygdala of Reindeer Bulls. WSASAS. Bend, OR and Rocky Mountain Reproduction Sciences Symposium, Fort Collins, CO.
83. Jones, AK, WW Hay Jr, LD Brown, PJ Rozance, SW Limesand, SR Wesolowski. 2018. Late gestation hypoxia increases norepinephrine and gluconeogenic expression to potentiate hepatic glucose production in fetal sheep. DOHaD US North Carolina.
84. Posont, RJ, KA Beede, SW Limesand, DT Yates (2018) Changes in myoblast responsiveness to TNFα and IL-6 contribute to decreased skeletal muscle mass in intrauterine growth restricted fetal sheep. Translational Animal Science, 2(1):S44-S47.
85. Kelly AC, CA Bidwell, SW Limesand. (2019) Comparative RNA Sequencing Reveals Common Responses in Metabolic Tissues Following Intrauterine Growth Restriction in Fetal Sheep. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract LB-027.
86. Luna Ramirez RI, AC Kelly, CA Bidwell, MA Davis, LE Camacho, MJ Anderson, SW Limesand. (2019) Norepinephrine Spares Adipose Tissue in Ovine Fetuses Complicated with Placental Insufficiency. Society for Reproductive Investigation 66th Annual Scientific Meeting. Oral Abstract O-056.
87. Antolic AT, AL Pendleton, AC Kelly, MJ Anderson, MA Davis, CA Bidwell, LE Camacho, S.W. Limesand. (2019) Greater STAT3 Phosphorylation and Enhanced Mitochondrial Respiration in the Left Ventricle of Growth Restricted Ovine Fetuses. Society for Reproductive Investigation 66th Annual Scientific Meeting. Oral Abstract O-063.
88. Pendleton, AL, LR Humphreys, MA Davis, LE Camacho, MJ Anderson, SW Limesand Normal Pyruvate Dehydrogenase Activity in Skeletal Muscle of Growth Restricted Ovine Fetuses Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-088.
89. Davis, MA, LE Camacho, AL Pendleton, MJ Anderson, NR Steffens, SW Limesand. Adrenal Demedullation Lowers Placental Glucose Uptake Resulting in Higher Rates of Fetal Glucose Utilization and Production during Hyperinsulinemia. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-110.
90. Pendleton, AL, MA Davis, AC Kelly, LE Camacho, MJ Anderson, SW Limesand. Decreased Complex 1 Expression and Impaired Mitochondrial Function in Growth
91. Restricted Ovine Fetuses with Placental Insufficiency. Society for Reproductive Investigation 66th Annual Scientific Meeting. Oral Abstract O-128. 9. MG Gonzalez, MJ Anderson, LE Camacho, SW Limesand, MG Hill. Collagen, Fibrillin, and Elastin Gene Expression in Pregnancies Complicated by Pregnancy Induced Hypertensive Disorders and Spontaneous Preterm Birth. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-162.
92. Davis, MA, LE Camacho, AL Pendleton, MJ Anderson, NR Steffens, SW Limesand, Promotion of Glucose Utilization and Production Rates is Independent of Norepinephrine in Intrauterine Growth Restricted Ovine Fetuses. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-109.
93. Jauregui EJ, Rasmussen LM, Craig ZR. “Measurements of Mono-n-butyl Phthalate in the Tissues of Cycling Adult CD-1 Female Mice after the Oral Administration of Di-n-butyl Phthalate”. Poster presentation at the Annual Meeting of the Society of Toxicology. Baltimore, MD.
94. Rasmussen LM, Jauregui EJ, Craig ZR. “Effects of in vitro exposure to di-n-butyl phthalate and mono-n-butyl phthalate on early embryo viability and development”. Poster presentation at the Annual Meeting of the Society of Toxicology. Baltimore, MD.
95. Beltran-Gastelum J, Jauregui EJ, Craig ZR. (2019). “Environmentally Relevant Exposure to Dibutyl Phthalate and Ovarian Gene Expression: Effects of Terminal Estrous Cycle Stage”. Poster presentation at the Annual Meeting of the Society for the Study of Reproduction. San Jose, CA.
96. Nuñez FM, Beltran-Gastelum J, Craig, ZR. (2019). “Effects of dibutyl phthalate (DBP) exposure on the expression of transcription factors in the mouse ovary”. Poster presentation at the Annual Meeting of the Society for the Study of Reproduction.
97. Aguiar LH, Hyde KA, Denicol AC. Long term exposure to supraphysiological temperature (heat stress) impairs growth of bovine preantral follicles in vitro. Abstract presented at the 51st Annual Meeting of the SSR, New Orleans, LA, 2018.
98. Candelaria J, Denicol AC. Follicle-stimulating hormone receptor is expressed in bovine preantral follicles from primary to full secondary stage of development. Abstract accepted for the 52st Annual Meeting of the SSR, San Jose, CA, 2019.
99. Hansen T, Van Campen H, Bishop J, Bouma G, QA. W, Sinedino L, Mayo C, Bowen R. 2018. Maternal influenza A virus infection restricts fetal weight and alters placental and fetal thymic gene expression. 51st Society for the Study of Reproduction Meeting. New Orleans. July 10-13. Page 340; Platform Talk.
100. Georges H, Smirnova N, Sinedino L, Knapek K, Van Campen H, Hansen T. 2018. Viral Infection of Bovine Fetuses Results in Impaired Immune Development. Colorado State University Graduate Student Showcase. November 13th. Poster.
101. Georges H, Smirnova N, Sinedino L, Knapek K, Van Campen H, Hansen T. 2018. Transplacental BVDV Infection of Bovine Fetuses Results in Impaired Immune Development. 19th Annual College of Veterinary Medicine and Biomedical Sciences Annual Research Day, Fort Collins, CO, January 20th, Page 9; Scientific Proceedings
102. Georges H, N.P. S, Sinedino L, Knapek KJ, Van Campen H, Hansen T. 2018. Spleens from Bovine Fetuses Persistently infected with Flavivirus Have an Underdeveloped Adaptive Immune Response Despite an Upregulated Innate Immune Response. 51st Society for the Study of Reproduction Meeting. New Orleans. July 10-13. Page 163.
103. Ali A, Nay GC, Anthony RV, Bouma GJ, Winger QA. 2019. Genes Governing Placental Development are Regulated by ARID3A-ARID3B-KDM4C Complex. 66th Annual Society for Reproductive Investigation meeting. Abstract F-15
104. Halpern, A., Kelly, M., Jones, A., Hoffman, M., Bonelli, J., Zinn, S., Reed, S. A., Govoni, K., 2018. A survey of New England sheep producers. J. Anim. Sci. 96 (S3).
105. Iannitti, H. R., Jones, A., Hoffman, M., Pillai, S., McFadden, K., Govoni, K., Reed, S. A., Zinn, S. 2018. Effects of poor maternal nutrition during gestation on oxidative stress in offspring muscle. J. Anim. Sci. 96 (S3).
106. Martin, D., Jones, A., Hoffman, M., Pillai, S., Govoni, K., Zinn, S., Reed, S. A. 2018. Effects of poor maternal nutrition during gestation on the offspring muscle metabolome. J. Anim. Sci. 96 (S3).
107. Pleasant, V., Wynn, M., Govoni, K., Cabra, A., Szabo, R., Smith, B.\*, Cameron, K., Zinn, S., Hoffman, M. 2018. The Effects of Maternal Milk Production on Dairy Calf Growth and Health. J. Anim. Sci. 96 (S3).
108. Engels, L., Wynn, M., Smith, B., Hoffman, M., Jones, A., Reed, S. A., Zinn, S., Duan, J., Tian, X., Govoni, K. 2018. The Effects of Poor Maternal Nutrition on Fetal Brain Development. J. Anim. Sci. 96 (S3).
109. Reynolds, M. K.\*, G. E. Chibisa, A. Ahmadzadeh and J. B Hall†. 2018. Reproductive development and fertility traits among heifers in different residual feed intake groups. Translational Animal Science 2 (suppl\_1): S175–S179. <https://doi.org/10.1093/tas/txy039>.
110. Reynolds, M. K.\*, M. Ellison, G. E. Chibisa, A. Ahmadzadeh, and J. B. Hall**.** † 2018. Influence of post weaning grazing on reproductive measures in beef heifers. Joint Ann. Meet. Am. Soc. Anim. Sci. – Can. Soc. Anim. Sci. Vancouver, BC July 10, 2018. Abstr. PSVII-2.
111. Jones, AK, WW Hay Jr, LD Brown, PJ Rozance, SW Limesand, SR Wesolowski. 2018. Late gestation hypoxia increases norepinephrine and gluconeogenic expression to potentiate hepatic glucose production in fetal sheep. DOHaD US North Carolina.
112. Posont, RJ, KA Beede, SW Limesand, DT Yates (2018) Changes in myoblast responsiveness to TNFα and IL-6 contribute to decreased skeletal muscle mass in intrauterine growth restricted fetal sheep. Translational Animal Science, 2(1):S44-S47.
113. Kelly AC, CA Bidwell, SW Limesand. (2019) Comparative RNA Sequencing Reveals Common Responses in Metabolic Tissues Following Intrauterine Growth Restriction in Fetal Sheep. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract LB-027.
114. Luna Ramirez RI, AC Kelly, CA Bidwell, MA Davis, LE Camacho, MJ Anderson, SW Limesand. (2019) Norepinephrine Spares Adipose Tissue in Ovine Fetuses Complicated with Placental Insufficiency. Society for Reproductive Investigation 66th Annual Scientific Meeting. Oral Abstract O-056.
115. Antolic AT, AL Pendleton, AC Kelly, MJ Anderson, MA Davis, CA Bidwell, LE Camacho, S.W. Limesand. (2019) Greater STAT3 Phosphorylation and Enhanced Mitochondrial Respiration in the Left Ventricle of Growth Restricted Ovine Fetuses. Society for Reproductive Investigation 66th Annual Scientific Meeting. Oral Abstract O-063.
116. Pendleton, AL, LR Humphreys, MA Davis, LE Camacho, MJ Anderson, SW Limesand Normal Pyruvate Dehydrogenase Activity in Skeletal Muscle of Growth Restricted Ovine Fetuses Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-088.
117. Davis, MA, LE Camacho, AL Pendleton, MJ Anderson, NR Steffens, SW Limesand. Adrenal Demedullation Lowers Placental Glucose Uptake Resulting in Higher Rates of Fetal Glucose Utilization and Production during Hyperinsulinemia. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-110.
118. Pendleton, AL, MA Davis, AC Kelly, LE Camacho, MJ Anderson, SW Limesand. Decreased Complex 1 Expression and Impaired Mitochondrial Function in Growth Restricted Ovine Fetuses with Placental Insufficiency. Society for Reproductive Investigation 66th Annual Scientific Meeting. Oral Abstract O-128. 9.
119. MG Gonzalez, MJ Anderson, LE Camacho, SW Limesand, MG Hill. Collagen, Fibrillin, and Elastin Gene Expression in Pregnancies Complicated by Pregnancy Induced Hypertensive Disorders and Spontaneous Preterm Birth. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-162.
120. Davis, MA, LE Camacho, AL Pendleton, MJ Anderson, NR Steffens, SW Limesand, Promotion of Glucose Utilization and Production Rates is Independent of Norepinephrine in Intrauterine Growth Restricted Ovine Fetuses. Society for Reproductive Investigation 66th Annual Scientific Meeting. Abstract F-109.
121. Jauregui EJ, Rasmussen LM, Craig ZR. “Measurements of Mono-n-butyl Phthalate in the Tissues of Cycling Adult CD-1 Female Mice after the Oral Administration of Di-n-butyl Phthalate”. Poster presentation at the Annual Meeting of the Society of Toxicology. Baltimore, MD.
122. Rasmussen LM, Jauregui EJ, Craig ZR. “Effects of in vitro exposure to di-n-butyl phthalate and mono-n-butyl phthalate on early embryo viability and development”. Poster presentation at the Annual Meeting of the Society of Toxicology. Baltimore, MD.
123. Beltran-Gastelum J, Jauregui EJ, Craig ZR. (2019). “Environmentally Relevant Exposure to Dibutyl Phthalate and Ovarian Gene Expression: Effects of Terminal Estrous Cycle Stage”. Poster presentation at the Annual Meeting of the Society for the Study of Reproduction. San Jose, CA.
124. Nuñez FM, Beltran-Gastelum J, Craig, ZR. (2019). “Effects of dibutyl phthalate (DBP) exposure on the expression of transcription factors in the mouse ovary”. Poster presentation at the Annual Meeting of the Society for the Study of Reproduction.
125. Geary, T. W., R. C. Waterman, M. L. Van Emon, A. L. Zezeski, J. Heldt, J. Spears. 2018. Effects of copper and zinc supplementation on standard and novel measures of fertility in peripubertal beef bulls. International Bull Fertility Conference, May 27 to 30, Westport, Ireland.
126. Moraes, J. G. N., S. K. Behura, T. W. Geary, and T. E. Spencer. 2018. Analysis of the uterine luminal secretome in heifers with superior uterine capacity. Society for the Study of Reproduction, July 10 to 13, New Orleans, LA.
127. Ciernia, L. A., M. F. Smith, G. A. Perry, J. J. Rich, E. J. Northrop, S. D. Perkins, R. E. Geisert, J. A. Green, A. L. Zezeski, and T. W. Geary. 2018. Effect of preovulatory estradiol or postovulatory progesterone on pregnancy rate in postpartum beef cows. Society for the Study of Reproduction, July 10 to 13, New Orleans, LA.
128. McLean, M. K., T. E. Spencer, J. G. N. Moraes, M. S. Ortega L. A. Ciernia, T. W. Geary, and M. F. Smith. 2018. Effect of preovulatory estradiol on conceptus elongation in beef heifers. Society for the Study of Reproduction, July 10 to 13, New Orleans, LA.
129. Dickinson, S. E., T. W. Geary, J. M. Monnig, J. A. Green, K. G. Pohler, G. A. Bridges, S. Behura, and M. F. Smith. 2018. Differential transcript profiles in cumulus-oocyte complexes originating from pre-ovulatory follicles of varied physiological maturity in beef cows. International Ruminant Reproduction Symposium, September , Foz do Iguacu, Brazil.
130. Geary, T. W., R. C. Waterman, M. L. Van Emon, C. R. Ratzburg, S. Lake, B. A. Eik, D. R. Armstrong, A. L. Zezeski, and J. S. Heldt. 2019. Effect of supplemental trace minerals on novel measures of bull fertility. Western Section American Society of Animal Science, June 11 to 13, Boise, ID.
131. Lemley, C. O., C. G. Hart, R. L. Lemire, K. J. Bowers, K. C. Yankey, E. H. King, R. M. Hopper, S. B. Park, D. D. Burnett. 2018. Maternal nutrient restriction decreases uterine artery blood flow while increasing cotyledonary blood vessel density in Angus and Brahman cattle. Abstract: P142. Flash Talk S8.5. Society for the Study of Reproduction, New Orleans, LA..
132. Bowers, K. J., K. C. Yankey, M. L. Tu, C. G. Hart, C. S. Steadman, K. J. McCarty, and C. O. Lemley. 2018. Effects of vasoactive compounds on ovine placentome blood perfusion using Doppler ultrasonography. Abstract: P144. Society for the Study of Reproduction, New Orleans, LA.
133. Ciernia, L.A, M.F. Smith, J. Rich, E. Northdrop, S. Perkins, G.A. Perry, R.E. Geisert, J.A. Green, A.L. Zezeski, and T.W. Geary, 2018, Effect of preovulatory estradiol or postovulatory progesterone on pregnancy rate in postpartum beef cows. Society for the Study of Reproduction, July 10 to 13, New Orleans, LA.
134. Sydney T. Reese, Gessica A. Franco, Andrea S. Lear, Felipe G. Dantas, Tatiane S. Maia, Taylor B. Ault, Savannah L. Speckhart, F. Neal Schrick, Michael F. Smith, and Ky G. Pohler, 2019, Prostaglandin Release Following Oxytocin Challenge in Pregnant Non-Lactating Cows, Society for the Study of Reproduction, July 10 to 13, New Orleans, LA.
135. Dickinson, S.E., TW Geary, JM Monnig, JA Green, KG Pohler, GA Bridges, S Behura, and MF Smith, 2018. Differential transcript profiles in cumulus-oocyte complexes originating from pre ovulatory follicles of varied physiological maturity in beef cows. International Ruminant Reproduction Symposium, September , Foz do Iguacu, Brazil.
136. Reese, S.T., G.A Franco, T.S. Maia, R.V. Olivero Filho, F. G. Dantas, F.N. Schrick, M.F Smith, and K.G Pohler, 2018, Prostaglandin profile in pregnant cows during initiation of active placentation, International Ruminant Reproduction Symposium, September , Foz do Iguacu, Brazil.
137. Smith, M.F., G.A. Perry, K.G. Pohler, M.K. McLean, L.A. Ciernia, and D.J. Patterson, 2018, Establishment of Pregnancy in Beef Cattle: Application of Basic Principles. In Proceedings, Applied Reproductive Strategies in Beef Cattle. August 29-30. Ruidoso, NM.
138. Patterson, DJ, JM Thomas, JWC Locke, ER Knickmeyer, RC Bonacker, and MF Smith. 2018. Control of estrus and ovulation in beef heifers. In: Proceedings, Applied Reproductive Strategies in Beef Cattle. August 29-30. Ruidoso, NM.
139. Patterson, DJ, JM Thomas, JWC Locke, ER Knickmeyer, RC Bonacker, and MF Smith. 2018. Control of estrus and ovulation in beef cows. In Proceedings, Applied Reproductive Strategies in Beef Cattle. August 29-30. Ruidoso, NM. **Invited Talk** August 2018, Establishment of Pregnancy in Beef Cattle: Application of Basic Principles. Applied Reproductive Strategies in Beef Cattle. Ruidoso, NM.
140. Bertho RDM; Thorson JF; Prezotto LD. Influence of protein supplementation during gestation on metabolites, morphometrics, and mammary secretions of beef cows. Journal of Animal Science. 2019.
141. Suayroop N, Navanukraw C, Prezotto LD, Thorson JF. Maternal dietary protein-induced reduction in the follicular pool of neonatal bovine offspring. Biology of Reproduction. 2019.
142. Marcus LV; Thorson JF; Prezotto LD, Alves BRC. Does undernutrition during pregnancy affect Histone Deacetylase 5 signaling in the hypothalamus of young offspring? Undergraduate Poster Competition at University of Nevada – Reno. 2019.
143. Lents CA, Thorson JF, Adams H, Petersen SL, Prezotto LD, Berry E, Nonneman DJ. Nutritional regulation of LH secretion in gilts: Hypothalamic expression of kisspeptin and neurokinin B. Journal of Animal Science. 2018.
144. Barnes TB, Beede KA, Merrick EM, Cadaret CN, **Cupp AS**, Yates DT**.** 2018. Impaired muscle stem cell function in cows with high concentrations of androstenedione in their follicular fluid. Proc. West. Sect. Am. Soc. [Transl Anim Sci](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6310365/). 2018 Sep; 2(Suppl 1): S27–S30. doi: [10.1093/tas/txy050](https://dx.doi.org/10.1093%2Ftas%2Ftxy050).
145. **Invited Talk:** Davis, JS, H Talbott, X Hou, JR Wood, **AS Cupp**. Cytokine Expression and Action in the Corpus Luteum. Endocrinology, 2019.
146. **\**Nafziger, S, MA Abedal-Majed, S Tenley, AF Summers, M Hart, J Bergman, SG Kurz, JS Davis, JR Wood, RA Cushman, **AS Cupp**. Attainment and Maintenance of Pubertal Cyclicity May Predict High A4 cows with Reduced Fertility. Gil Greenwald Reproductive and Regenerative Medicine Symposia, University of Kansas Medical Center, October 2018.
147. Springman, SA, MA Abedal-Majed, ML Hart, V Largen, MPS Magamage, SG Kurz, KM Sargent, J Bergman, RM McFee, RA Cushman, JS Davis, JR Wood and **AS Cupp.** Ovarian Cortex from High A4 Cows Secrete Excess Steroid Hormones Contributing to Arrested Follicle Development, Increased Oxidative Stress and Fibrosis Which can be Rescued by Angiogenic VEGFA165. Gil Greenwald Reproductive and Regenerative Medicine Symposia, University of Kansas Medical Center, October 2018.
148. Snider A, RS Gomes, SM Romereim, AF Summers, MA Abedal-Majed, SC Tenley, SG Kurz, J Bergman, RA Cushman, JS Davis, JR Wood, and **AS Cupp**. Altered Blood Plasma and Follicular Fluid Lipid Profiles Predict Alterations in Cell Signaling, Metabolism, and Immune Function in Cows with Androgen Excess. Gil Greenwald Reproductive and Regenerative Medicine Symposia, University of Kansas Medical Center, October 2018.
149. Hart, ML, MA Abedal-Majed, RS Gomes, AP Snider, AF Summers, SG Kurz, JW Bergman, RM McFee, CA Casey, C Lemley, RA Cushman, JS Davis, JR Wood, **AS Cupp**. Cyclicity Phenotype and Ovarian Cortex Androgen Secretion in Androgen Excess Cows are Predictive of Plasma Steroid and Lipids, Liver Enzymes and Follicular Fluid Cytokines. SSR New Orleans, LA 2018.
150. MA Neilson, RS Gomes, SM Romereim, AF Summers, M A Abedal-Majed, SC Tenley, S SG Kurz, JW Bergman, RA Cushman, JS Davis, JR Wood, and **AS Cupp**. Altered Blood Plasma and Follicular Fluid Lipid Profiles Predict Alterations in Cell Signaling, Metabolism, and Immune Function in Cows with Androgen Excess. SSR New Orleans, LA 2018.
151. KA Bochantin, W. Pohlmeier, KM Sargent, S G Kurz, SM Romereim, O Daudu, RM McFee, **AS Cupp**, JR Wood. Microarray Analysis Predicts that Differentially Expressed Genes in Theca Cells from Cows with High Intrafollicular Androstenedione is Regulated by ESR1 and VEGFA Signaling and Increased mRNA Stability. SSR New Orleans, LA 2018**.**
152. S Nafziger, MA Abedal-Majed, S Tenley, AF Summers, ML Hart, MA Neilson, JW Bergman, SG Kurz, JR Wood, RA Cushman, **AS Cupp**. Progesterone Profiles at Puberty May Indicate Future Reproductive Longevity in Beef Heifers. SSR New Orleans. LA 2018.
153. SA Springman, MA, Abedal-Majed, ML Hart, V Largen, MPS Magamage, SG Kurz, KM. Sargent, J Bergman, RM McFee, RA Cushman, JS Davis, JR Wood and **AS Cupp**. Ovarian Cortex from High A4 Cows Secrete Excess Steroid Hormones Contributing to Arrested Follicle Development, Increased Oxidative Stress and Fibrosis Which can be Rescued by Angiogenic VEGFA165**.** SSR New Orleans. LA 2018**.**
154. AP Snider, SM Romereim, AF Summers, BE Pohlmeier, RM. McFee, SG. Kurz, JS.Davis, JR Wood, **AS Cupp**. Exposure to excess androgen in the ovarian microenvironment results in altered granulosa cell function with altered steroidogenesis, signal transduction, cyclicity and response to male exposure. SSR New Orleans. LA 2018**.**
155. **INVITED TALK: Cupp AS**. Effects of Ovarian Microenvironment on Folliculogenesis. PCOS Focus Session, SSR New Orleans, LA 2018.
156. Ferranti, E.M, B.H. Aloqaily, C.A. Gifford, C.A. Löest, J.C. Wenzel, and J.A. Hernandez Gifford. 2018. Lipopolysaccharide modulation of ovarian hormonal profile. Proc. West. Sec. Amer. Soc. Anim. Sci.
157. Aloqaily, B.H., E. M. Ferranti, A. F. Summers, C. A. Gifford, and J.A. Hernandez Gifford. 2018. Intra-ovarian WNT3A modulates estrogen mediated reproductive events and estrus behavior in cattle. Proc. West. Sec. Amer. Soc. Anim. Sci.
158. Liu, W.-S., Chang, T.C., Zhang, Y.Y., Liu, Z.H., Deng, X.M. (2018) A gene interaction network during spermatogenesis in ruminants. Conference Abstract, International Plant and Animal Genome Research (PAG) XXVI, January 13-17, 2018. San Diego, CA. P461.
159. Liu, W.-S., Lu, C., Rossi, R.M., Wang, A.H., Yang, M.Y., Diaz, F. (2018) Deletion of the mouse X-linked Prame gene causes germ cell reduction in spermatogenesis. Conference abstract, SSR2018, New Orleans, P306.
160. Kern, C.H., Liu, W.-S. (2018) Characterized DNA markers in two beef farms. Abstract, Gamma Sigma Delta (GSD) Research Expo, College of Agricultural Sciences, Penn State. Presented by Kern on March 27, 2018.
161. Liu, W.-S., (2018) The enrichment of testis-specific genes on the mammalian X and Y chromosome. Invited presentation in the International Plant and Animal Genome Research (PAG) XXVI, January 11-15, 2019. San Diego, CA.
162. Liu, W.-S., (2018) Functional role of PRAME during spermatogenesis. Invited presentation to the Molecular, Cellular and Integrative Biosciences (MCIBS) graduate program (Huck Institutes), Penn State.
163. Quail, L.K., M.E. Mund, D.A. Neuendorff, R.A. d’Orey Branco, J.P. Banta, T.H. Welsh, Jr. and R.D. Randel. 2018. Relationships between antral follicle numbers and postpartum interval in multiparous Brahman cows. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #28.
164. O’Daniels, S.E., D.G. Riley, D.A. Neuendorff, T.D. Forbes, J.P. Banta, T.H. Welsh, Jr., F.M. Rouquette, Jr. and R.D. Randel. 2018. Comparison of three methods of determining feed efficiency on productivity of Brahman heifers. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #80.
165. White, S.H., C.M. Latham, C.R. Long, R.D. Randel and T.H. Welsh, Jr. 2018. Differing mitochondrial capacity in two separate skeletal muscles from calm and temperamental Brahman heifers. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #88.
166. Mund, M.E., L.K. Quail, C.L. Cook, D.A. Neuendorff, J.P. Banta, T.H. Welsh, Jr. and R.D. Randel. 2018. Influence of cell mediated immune responses of Brahman cows on postpartum interval, colostral immunoglobulin concentration and growth of their calves. J. Anim. Sci. Vol. 96, Suppl. S1. Abstract #91.
167. Littlejohn, B.P., D.M. Price, D.A. Neuendorff, J.A. Carroll, R.C. Vann, P.K. Riggs, D.G. Riley, C.R. Long, T.H. Welsh, Jr. and R.D. Randel. 2018. Prenatal transportation stress alters genome-wide DNA methylation in suckling Brahman bull calves. J. Anim. Sci. 96(Suppl. 3):349. Abstract #137.
168. Littlejohn, B.P., D.M. Price, D.A. Neuendorff, J.A. Carroll, R.C. Vann, P.K. Riggs, D.G. Riley, C.R. Long, T.H. Welsh, Jr. and R.D. Randel. 2018. Prenatal stress alters genes in signaling pathways influencing behavior and stress response by differential methylation of DNA. J. Anim. Sci. 96(Suppl. 3):349-350. Abstract.
169. Littlejohn, B.P., D.M. Price, D.A. Neuendorff, J.A. Carroll, R.C. Vann, P.K. Riggs, D.G. Riley, C.R. Long, T.H. Welsh, Jr., and R.D. Randel. 2019. Awardee Talk- Prenatal transportation stress alters physiology of suckling Brahman calves as mediated by changes in DNA methylation. J. Anim. Sci. National Meeting.
170. Littlejohn, B.P., D.G. Riley, D.A. Neuendorff, C.R. Long, T.H. Welsh, Jr., and R.D. Randel. 2019. Transgenerational influence of prenatal stress on temperament, birth weight and weaning weight of Brahman calves. J. Anim. Sci. National Meeting.
171. Cilkiz, K.Z., E.C. Baker, P.K. Riggs, B.P. Littlejohn, C.R. Long, T.H. Welsh, Jr., R.D. Randel, and D.G. Riley. 2019. Genome-wide DNA methylation alteration in prenatally stressed Brahman heifers calves with the advancement of age. J. Anim. Sci. National Meeting.
172. Baker, E.C., K. Zozik, P.K. Riggs, B.P. Littlejohn, C.R. Long, T.H. Welsh, Jr., R.D. Randel, and D.G. Riley. 2019. Effect of prenatal stress on DNA methylation in Brahman heifers. J. Anim. Sci. National Meeting.
173. Rabalais, M., A. Somenahally, C. Wellman, T.H. Welsh, Jr., D.A. Neuendorff, and R.D. Randel. 2019. Influence of monensin in the diet of temperate and tropically adapted cattle on the ruminal and fecal metabolome and microbiome. J. Anim. Sci. National Meeting.
174. Parades-Sanchez, F.A., E. Cases, G.M. Parra-Bracamonte, W. Arellano-Vera, D.G. Riley, T.H. Welsh, Jr., R.D. Randel, and A. Sifuentes. 2019. Identification of candidate genes related to temperament in Brahman cattle. J. Anim. Sci. National Meeting.
175. O’Daniels, S.E., D.G. Riely, K. Kochan, P.K. Riggs, D.A. Neuendorff, F.M. Rouquette, Jr., R.D. Randel, and T.H. Welsh, Jr. 2019. Comparison of telomere length in age-matched primiparious and multiparious Brahman cows. J. Anim. Sci. National Meeting
176. Lenz L.H. and Stevens J.R. Visual Exploration of Big Biological Data. Poster presented at Conference on Statistical Practice, Feb. 14-15, 2019.
177. Boss, K. S., C. M. Sutton, K. J. Austin, K. M. Cammack, R. R. Cockrum, B. M. Alexander.. 2019. The effect of aflatoxin B1 treatment on expression of TRPM8 in mouse ovary and testes. WSASAS, Boise, ID and RMRSS, Ft. Collins, CO.
178. Sutton, C. M., K. J. Austin, B. M. Alexander. 2019. The effect of menthol on sexual behavior in rams WSASAS, Boise, ID.
179. Sutton, C. M., K. J. Austin, B. M. Alexander. 2019. Expression of TRPM8 mRNA in the prostate of rams and wethers. WSASAS, Boise, ID and RMRSS, Ft. Collins, CO. WSASAS, Boise, ID and RMRSS, Ft. Collins, CO.
180. Pendleton, A.L., M.A. Davis, A.C. Kelly, L.E. Camacho, M.J. Anderson, P.R. Langlais,

S.W. Limesand. Decreased Mitochondrial Complex I Activity in Skeletal Muscle of Growth Restricted Ovine Fetuses with Placental Insufficiency. Society for Reproductive Investigation 67th Annual Scientific Meeting. O-064

181. Tabsh, K.K., A.L. Pendleton, N.K. Barker, P.R. Langlais, S.W. Limesand, M.G. Hill. Downregulation of Inflammatory Biomarkers from Maternal Plasma in Women with Intrahepatic Cholestasis of Pregnancy. Society for Reproductive Investigation 67th Annual Scientific Meeting. T-106.

182. Luna Ramirez, R.I., A.C. Kelly, C.A. Bidwell, M.J. Anderson, M.A. Davis, L.E. Camacho, S.W. Limesand. Upregulation of PPAR Signaling in Adipose Tissue from Ovine Fetuses Complicated with Placental Insufficiency. Society for Reproductive Investigation 67th Annual Scientific Meeting. T-086.

183.Beltran-Gastelum J, Jauregui EJ, Craig ZR. (2019). “Environmentally Relevant Exposure to Dibutyl Phthalate and Ovarian Gene Expression: Effects of Terminal Estrous Cycle Stage”. Annual Meeting of the Society for the Study of Reproduction. San Jose, CA. July 18-21, 2019.

184. Nunez FM, Beltran-Gastelum J, Craig, ZR. (2019). “Effects of dibutyl phthalate (DBP) exposure on the expression of transcription factors in the mouse ovary”. Annual Meeting of the Society for the Study of Reproduction. San Jose, CA. July 18-21, 2019.

185. Jauregui EJ, Lock JL, Rasmussen LM, Craig, ZR. (2019) “Levels of Mono-n-butyl Phthalate in the Tissues of Adult CD-1 Female Mice after Repeated Oral Administration of Di-n-butyl Phthalate”. Submitted to the Annual Meeting of The Society of Toxicology. Anaheim, CA. March 15-19, 2020.

186. Nunez FM, Beltran-Gastelum JG, Craig ZR. (2019) “The effects of oral dibutyl phthalate (DBP) exposure on transcription factor activation in the mouse ovary”. Submitted to the Annual Meeting of The Society of Toxicology. Anaheim, CA. March 15-19, 2020.

187. Beltran-Gastelum JG, Nunez FM, Jauregui EJ, Craig ZR. (2019) “Exploring reproductive toxicological dosing schemes: effects of environmentally relevant dibutyl-phthalate exposures on terminal estrous stage gene expression”. Submitted to the Annual Meeting of The Society of Toxicology. Anaheim, CA. March 15-19, 2020.

188. Ali, A., R.V. Anthony, G.J. Bouma and Q.A. Winger. 2019. LIN28-Let-7 Axis Regulates Gene Expression in Ovine Placenta In Vivo. 52nd Annual Society of the Study of Reproduction meeting. Abstract P600.

189. Mansour, H.H., C.O. Lemely, R.V. Anthony, W. Keller, K.M. Carlin, A.T. Grazul- Bilska and K.A. Vonnahme. 2019. Melatonin supplementation and restricted nutrition do not affect chorionic somatomammotropin (CSH) protein expression in ovine placenta from mid- to late-gestation. American Society of Animal Science meeting. Abstract PSII-35.

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2. M. Rashelle Herrygers 2017. A metabolomics approach for the study of long-term progesterone in domestic sheep and physiological processes in domestic and bighorn sheep. M.S. Thesis. Montana State University, Bozeman, MT.
3. Chad Page. 2017. Serum mineral concentrations in weaned Montana ram lambs and effects of dietary zinc source and concentration on developing Targhee rams. M.S. Thesis. Montana State University, Bozeman, MT.*– Research Centers Department – Northern Ag Research Center.*
4. Xu, Yafei. Enhanced Liver X Receptor and Decreased Sterol Regulatory Element Binding Transcription Factor 2 Activities May Control Luteolysis of the Human Corpus Luteum. MS Thesis University of Arizona, August 2017.
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6. Mohamed Ayoub Sleman Abedal-Majed. Effect of postweaning diet, Excess Androstenedione, and Vascular Endothelial Growth Factor A (VEGFA) isoforms on follicular progression in bovine ovarian cortical cultures. PhD Dissertation University of Nebraska-Lincoln, December 2017.
7. Megan (Coleson) Owen, Ph.D. in Agricultural Science/Animal Science at Mississippi State University; Passed defense on October 2, 2017; Dissertation titled, Investigating extra-hepatic steroid and eicosanoid metabolizing enzymes in cattle; Major Advisor. Caleb Lemley
8. Dantas, F.G., 2018. Effect of complexed trace minerals on oocyte and embryo production.
9. Franco, G.A., 2018. Sire contributions to pregnancy loss and pregnancy associated glycoprotein production in Nelore cows.
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11. Beard, J. 2017. Effect of maternal stimuli during fetal development on beef progeny performance. NMSU MS Thesis.