Joseph A. (Jay) Daniel

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Education

UNIVERSITY OF MISSOURI; Columbia, MO; *Ph.D.; Advisor: Duane Keisler* 1999
UNIVERSITY OF GEORGIA; Athens, GA; *B.S.A. cum laude – Animal Science* 1996

Employment Experiences

BERRY COLLEGE
Department of Animal Science
Chair 2016-present
Full Professor 2016-present
Associate Professor 2010-2016
Assistant Professor 2006-2010

SOUTH DAKOTA STATE UNIVERSITY
Department of Animal and Range Sciences
Associate Professor 2006
Assistant Professor 2002-2006
65% research; 35% teaching; Responsible for overseeing the SDSU Sheep Unit

AUBURN UNIVERSITY COLLEGE OF VETERINARY MEDICINE
Department of Anatomy, Physiology, and Pharmacology
Post-Doctoral Fellow 2000-2001
Designed, conducted and reported research. Aided in grant preparation.

UNIVERSITY OF MISSOURI
Department of Animal Sciences
U.S.D.A National Needs Fellow 1996-1999
Designed, conducted and reported dissertation research.
Miller Intern Summer 1995
Designed, conducted and reported research.

RICKETTS CHAROLOIS RANCH, HALLSVILLE, MO 1997-1999
Care, feeding and health procedures including artificial insemination for Charolais cattle.

UNIVERSITY OF GEORGIA 1994-1996
Department of Animal and Dairy Science
Whitehall Beef Unit
Care, feeding and health procedures for beef cattle herd and ewe flock including artificial insemination, estrous detection, calving, lambing, and production of annual bull sale.

BILLY G. DANIEL FARM, RENTZ, GA 1991-1994
Farm laborer
Interacted with custom hay customers, supervised farm labor, operation of hay equipment, beef cattle herd health and farm upkeep

Teaching Experiences

BERRY COLLEGE

Classes Taught

Animal Science 105 Introduction to Agricultural Sciences
Animal Science 105L Introduction to Agricultural Sciences Lab
Animal Science 120 Introduction to Animal Science
Animal Science 120L Introduction to Animal Science Lab
Animal Science 200 Livestock Feeding and Ration Formulation
Animal Science 200L Livestock Feeding and Ration Formulation Lab
Animal Science 201 Orientation to Animal Science
Animal Science 201 Orientation to Animal Science online
Animal Science 324 Genetics of Livestock Improvement
Animal Science 324L Genetics of Livestock Improvement Lab
Animal Science 422WI Beef Systems and Management
Animal Science 422L Beef Systems and Management Lab
Animal Science 426WI Sheep Systems and Management
Animal Science 426L Sheep Systems and Management Lab
Animal Science 434 Cardiovascular, Pulmonary, and Hepatic Physiology
Animal Science 492 Sheep Tour (travel course)
Animal Science 496 Academic Internship (various)
Animal Science 498 Directed Study of Interaction of Environment and Animal Production Systems
Animal Science 498 Directed Study in Exotic Animal Care
Animal Science 498 Directed Study of Nutrition Impact on Reproduction in Cows
Berry College Course 100 Freshman Seminar
Honors 450 Honors Thesis I
Honors 451 Honors Thesis II

SOUTH DAKOTA STATE UNIVERSITY

Classes Taught

Animal Science 732 Graduate Reproduction
Animal Science 477 Sheep and Wool Production
Animal Science 477 Sheep and Wool Production Lab
Animal Science 400 Wool Judging, Coach
Animal Science 390 Junior Seminar,
Animal Science 101A Introduction to Animal Science Lab,

AUBURN UNIVERSITY

Graduate level Endocrinology: Lectured on endocrine regulation of lactation.

UNIVERSITY OF MISSOURI

Teaching Assistant

Animal Science 345: Sheep Production
Animal Science 165: Ruminant Production
Animal Science 305: Beef Production
Animal Science 384: Reproductive Management

Grants Funded and Under Consideration

The use of virtual experiences to provide field trips in animal science. Principal Investigator, pending for $181,249 USDA-NIFA

Is orosomucoid a mechanistic link between inflammation and impaired intake during the transition period? Co-Principal Investigator, funded for $483,000 FY 2017-2020 USDA-AFRI

The effect of glucocorticoids on circulating plasma concentrations of ghrelin, Faculty Mentor, funded for $6000 FY 2014-2016 Richards Scholars Program Grant

Location of the cow relative to the herd at calving. Co-Principal Investigator, funded for $2563 FY 2014.

Impact of feeding cues on ghrelin in wethers. Faculty Mentor, funded for $2000 FY 2013 Synovus Sophomore Scholars Grant

Impact of visual and audio feeding cues on circulating concentrations of ghrelin in sheep Principal investigator, funded for $2723 FY2012 Berry College Faculty Development Grant

Anaplamosis in Beef Herds in the Southern U.S. Co-Principal Investigator, funded for $24,385 FY 2012-2013 by the American Association of Bovine Practitioners Foundation

Influence of level of corn gluten feed on steer growth rate and carcass traits. Principal investigator, funded for $1366.93 FY 2010 Berry College School of Mathematical and Natural Sciences Development of Undergraduate Research

Hypothalamic site of action of kisspeptin in the regulation of growth hormones release in ruminants. Co-investigator, funded for $348,836 FY 2010-2011 by USDA-AFRI

The effect of supplement removal on circulating plasma concentrations of ghrelin, Faculty Mentor, funded for $6000 FY 2009-2011 Richards Scholars Program Grant

Circulating concentration of kisspeptin and leptin in ewes during pregnancy, Principal investigator, funded for $250.06 FY 2009 Berry College School of Mathematical and Natural Sciences Development of Undergraduate Research

Relationship of ghrelin and leptin with carcass composition in cattle exhibiting compensatory gain. Collaborator, funded for $98,946 FY 2006-2007 by USDA-NRI

Impact of NPCoat on the prevalence of lung lesions in lambs. Principal investigator, funded for $9,955 FY 2006 -2007 by CAMAS, Inc.

Inhibition of melanocortin receptors as a mechanism for increasing food intake in ruminants. Co-investigator, funded for $190,000 FY 2003-2006 by USDA-NRI.

Maternal regulation of neonatal immunity. Co-investigator, funded for $180,000 FY 2003- 2005 by USDA-NRI

Biologic and economic evaluation of weaning, backgrounding, and finishing management strategies for range sheep producers. Co-investigator, funded for $99,540 FY 2004 and FY 2005 by Four-State Ruminant Consortium

Adding value to South Dakota and Great Plains lamb by evaluating and reducing the incidence of lung lesions. Principal investigator, funded for $35,810 FY 2003 and FY 2004 by South Dakota Agriculture Experiment Station Competitive Cooperative Grant Program

Use of goats to control western snowberry. Co-investigator, funded for $3,000 FY 2003 by South Dakota State University EPSCOR

Extension and Invited Presentations

Undergraduate Lunch and Learn Invited Speaker. 2017 ASAS-CSAS Annual Meeting.

Animal Science Research. 2017 Georgia Governor's Honors Program.

Berry College Sheep Program. 2017 Berry College Elementary and Middle School Kindergarten.

Agriculture and Natural Resources Careers. 2017 West End Elementary School Fifth Grade Classes.

Agriculture and Natural Resources Careers. 2017 West End Elementary School First Grade Classes.

Beef Cattle Predator Control. 2016 Area Beef Cattle Field Day Burke and Jefferson County Georgia.

Sheep internal parasite ecosystems. 2016 Berry College Elementary and Middle School Third thru Fifth Grade.

Animal Scientist Career. 2016 Berry College Elementary and Middle School Science Odyssey.

Beyond veterinary school: Helping animal science students explore other career opportunities. 2016 ASAS-ADSA Joint Annual Meeting.

Small Ruminant Production Predator Control. 2015 Journeyman Farmer Certificate Program webinar.

Sheep and Goat Predator Control. 2015 Oglethorpe County Georgia Master Goat Farmer Class.
Sheep and Goat Predator Control. 2014 Fulton County Georgia Master Goat Farmer Class.
Sheep and wool. 2014 Berry College Elementary and Middle School First and Second Grade.
Sheep internal parasite ecosystems. 2013 Berry College Elementary and Middle School Third thru Fifth Grade.
Sheep and Goat Predator Control. 2013 University of Georgia Master Goat Farmer Class.
Sheep and Goat Predator Control. 2011 University of Georgia Master Goat Farmer Class.
Sheep and Goat Predator Control. 2010 University of Georgia Master Goat Farmer Class.
Lung Lesions in Lambs. 2007 University of Tennessee Department of Animal Science Invited Seminar Series
Composting sheep carcasses: An overview of the process that has been implemented at SDSU and regulations regarding composting. 2005 Regional Sheep Program at Brookings County Resource Center
Use of dried distiller's grains with solubles in lamb rations. 2005 South Dakota Sheep Growers Association annual meeting.
The effects of lung lesions on lamb performance. 2004 Pipestone Lambing Time Shortcourse and Bus Tour.
Current sheep research as SDSU. 2004 South Dakota Sheep Growers Association annual meeting.
Lung lesions – How much money are they costing you? 2004 Regional Sheep Program at Brookings County Resource Center.
Evaluating the incidence and impact of lung lesions in lambs. 2003 South Dakota Sheep Growers Association annual meeting.
The effects of lung lesions on lamb performance. 2003 Minnesota Lamb & Wool Producers Annual Conference.
Endotoxin and cytokine regulation of growth hormone release. 2003 Biology and Microbiology Seminar Series.
Current sheep research. 2002 South Dakota Sheep Growers Association annual meeting.

Committees, Service, and Other Activities

Academically advise approximately 40 students per year at Berry College
Translational Animal Science Editorial Board 2017-present
Berry College Dairy Faculty Liaison 2016-present
Journal of Animal Science Editorial Board 2015-present
American Society of Animal Science Publication Committee 2016
Berry College Institutional Animal Care and Use Committee Chair 2009-2013; 2015-2017
American Society of Animal Science Growth and Development Committee 2014-2017, chair 2017
Berry College Sheep Unit Faculty Liaison 2013-present
Berry College Animal Science Academic Quadrathlon Team coach 2013-present
Berry College Block and Bridle advisor 2008-present
American Society of Animal Science Teaching/Undergraduate & Graduate Education Committee 2012-2016
Berry College Faculty Assembly Chair 2014-2015
Berry College Faculty Assembly Vice Chair 2013-2014
Berry College Academic Council 2013-2015
Reviewed *Fundamentals of Animal Science* by Scanes for Delmar Cengage Learning
Berry College Faculty Development committee 2009-2012, chair 2010-2011
American Society of Animal Science 2010 Triennial Growth Symposium Committee
Domestic Animal Endocrinology Editorial Board 2008-2010
Berry College Faculty Assembly Secretary 2008-2009
Smart Drenching and FAMACHA trainer
Beef Quality Assurance trainer

Editted nine chapters of textbook, "Modern Livestock and Poultry Production."
Eighth Edition, by Dr. Frank B. Flanders and James R. Gillespie, Thomson Delmar Learning.
NCR-190 Coordinating Committee, Increased Efficiency of Sheep Production. Secretary – 2004, Vice-Chair – 2005, Chair - 2006
Sheep Species Chair for the 2004 ADSA, ASAS, PSA Joint Meeting
Eastern South Dakota Science and Engineering Fair Scientific Review Committee Chair 2004-2006
Academic Advisor for Ceres Women's Fraternity 2005-2006
Academic advisor for 10-20 students per year at SDSU
Referee for Domestic Animal Endocrinology, Journal of Animal Science, Theriogenology, Animal, American Journal of Reproductive Immunology, and Innate Immunity
University of Georgia Animal Science Academic Quadrathalon Team 1995
University of Georgia Meats Judging Team 1994
President of University of Georgia Chapter of the Georgia Cattlemen's Association 1994-1995
University of Georgia Block and Bridle Club, rodeo chairman and other various offices

Honors and Awards

Recipient of 2012 Berry College Writing Across the Curriculum Faculty Award
Nominated as SDSU AgBio Teacher of the Year 2005-2006
Selected as a Senior Leader by the University of Georgia
Recipient of the Johnny and Libby Jenkins Scholarship
Recipient of the Daisy Rhodes Scholarship
Recipient of the E. G. Dawson Scholarship
Recipient of the Atlanta Produce Dealers Scholarship
Recipient of the University of Georgia Alumni Foundation Scholarship
Selected as Outstanding Freshman, Sophomore, Junior and Senior in Animal Science, University of Georgia

Publications – *(44 refereed papers, 61 abstracts, 19 non-refereed publications)*

Refereed Manuscripts

1. C. D. Foradori, B. K. Whitlock, **J. A. Daniel,** A. D. Zimmerman, M. A. Jones, C. C. Read, B. P. Steele, J. T. Smith, I. J. Clarke, T. H. Elsasser, D. H. Keisler, and J. L. Sartin. 2017. Kisspeptin stimulates growth hormone release by utilizing Neuropeptide Y pathways and is dependent on the presence of ghrelin in the ewe. Endocrinology accepted; DOR 10.1210/en.2017-00303.
2. **J. A. Daniel,** B. K. Whitlock, D. L. Marks, J. A. Gard, and J. L. Sartin. 2016. Leukemia inhibitory factor as a mediator of lipopolysaccharide effects on appetite and selected hormones and metabolites. J. Anim. Sci. 94:2789-2797; DOI 10.2527/jas.2016-0396.
3. B. K. Whitlock, **J. A. Daniel**, L. L. Amelse, V. M. Tanco, K. A. Chameroy, and F. N. Schrick. 2015. Kisspeptin receptor agonist (FTM080) increased plasma concentrations of luteinizing hormone in anestrous ewes. PeerJ 3:e1382; DOI 10.7717/peerj.1382.
4. M. G. Stockwell-Goering, E. A. Benavides, D. H. Keisler, and **J. A. Daniel.** 2015. Impact of visual, olfactory, and auditory cues on circulating concentrations of ghrelin in wethers. J. Anim. Sci. 93:3886-3890; DOI 10.2527/jas2015-9026.
5. **J. A. Daniel,** C. D. Foradori, B. K. Whitlock, and J. L. Sartin. 2015. Reproduction and beyond, kisspeptin in ruminants. J. Anim. Sci. Biotech. 6:23-27.
6. **J. Daniel,** C. Foradori, B. Whitlock, and J. Sartin. 2013. Hypothalamic integration of nutrient status and reproduction in the sheep. Repro. Domest. Anim. 48(suppl. 1):44-52.
7. B. K. Whitlock, E. A. Coffman, J. F. Coetzee, and **J. A. Daniel**. 2012. Electroejaculation increased vocalization and plasma concentrations of cortisol and progesterone, but not substance P, in beef bulls. Theriogenology 78:737-746.

8. B. K. Whitlock, **J. A. Daniel**, R. R. Wilborn, H. S. Maxwell, B. P. Steele, and J. L. Sartin. 2011. Effect of kisspeptin on regulation of growth hormone and luteinizing hormone in lactating dairy cows. J. Anim. Sci. Biotech. 2(3):131-140.
9. J. L. Sartin, B. K. Whitlock, and **J. A. Daniel.** 2011. Neural regulation of feed intake: modification by hormones, fasting and disease. J. Anim. Sci. 89:1991-2003.
10. **J. A. Daniel,** S. E. Kitts-Morgan, T. D. Pringle. 2010. Use of an informal consumer sensory panel in conjunction with discussion to teach students concepts related to beef palatability. NACTA Journal 54:7-10.
11. A. K. R. Everts, D. M. Wulf, T. L. Wheeler, A. J. Everts, A. D. Weaver, and **J. A. Daniel.** 2010. Enhancement technology improves palatability of normal and callipyge lambs. J. Anim. Sci. 88:4026-4036.
12. J. L. Sartin, **J. A. Daniel,** B. K. Whitlock, and R. R. Wilborn. 2010. Selected hormonal and neurotransmitter mechanism regulating feed intake in sheep. Animal 4:1781-1899.
13. B. K. Whitlock, **J. A. Daniel**, R. R. Wilborn, H. S. Maxwell, B. P. Steele, and J. L. Sartin. 2010. Interaction of kisspetin and the somatotropic axis. Neuroendocrinology 92:178-188.
14. J. L. Sartin, D. L. Marks, C. D. McMahon, **J. A. Daniel**, P. Levasseur, C. G. Wagner, B. K. Whitlock, and B. P. Steele. 2008. Central role of melanocortin-4 receptors in appetite regulation following endotoxin. J. Anim. Sci. 86:2557-2567.
15. B. K. Whitlock, **J. A. Daniel**, R. R. Wilborn, S. P. Rodning, H. S. Maxwell, B. P. Steele, and J. L. Sartin. 2008. Interaction of estrogen and progesterone on kisspeptin stimulated luteinizing hormone and growth hormone in ovariectomized cows. Neuroendocrinology 88:212-215.
16. **J. A. Daniel,** J. A. Carroll, D. H. Keisler, and C. J. Kojima. 2008. Evaluation of immune system function in neonatal pigs born vaginally or by Cesarean section. Domestic Animal Endocrinology 35:81-87.
17. B. K. Whitlock, **J. A. Daniel**, R. R. Wilborn, T. H. Elsasser, J. A. Carroll, and J. L. Sartin. 2008. Comparative aspects of the endotoxin- and cytokine-induced endocrine cascade influencing neurondocrine control of growth and reproduction in farm animals. Reproduction in Domestic Animals 43(Suppl. 2):317-323.
18. A. E. Wertz-Lutz, **J. A. Daniel**, J. A. Clapper, A. Trenkle, and D. C. Beitz. 2008. Prolonged, moderate nutrient restriction in beef cattle results in persistently elevated circulating ghrelin concentrations. J. Anim. Sci. 86:564-575.
19. A. J. Smart, N. H. Troelstrup, K. W. Bruns, **J. A. Daniel**, and J. E. Held. 2007. Western Snowberry response to fire and goat browsing. Sheep and Goat Research 22:20-25.
20. A. E. Wertz-Lutz, T. J. Knight, R. H. Pritchard, **J. A. Daniel**, J. A. Clapper, A. J. Smart, A. Trenkle, and D. C. Beitz. 2006. Circulating ghrelin concentrations fluctuate relative to nutritional status and influence feeding behavior in cattle. J. Anim. Sci. 84:3285-3300.
21. T. J. Huls, A. J. Bartosh, **J. A. Daniel**, R. D. Zelinsky, J. Held, and A. E. Wertz-Lutz. 2006. Efficacy of dried distiller's grains with solubles as a replacement for soybean meal and a portion of the corn in a finishing lamb diet. Sheep and Goat Research 21:30-34.
22. **J. A. Daniel,** J. E. Held, D. G. Brake, D. M. Wulf, and W. B. Epperson. 2006. Evaluation of the prevalence and onset of lung lesions and their impact on growth of lambs. American Journal of Veterinary Research 67:890-894.
23. A. J. Smart, **J. Daniel**, K. Bruns, and J. Held. 2006. Browsing of western snowberry by goats and sheep. Sheep and Goat Research 21:1-5.
24. **J. A. Daniel** and J. E. Held. 2005. Carcass and growth characteristics of wethers sired by percentage White Dorper or Hampshire rams. Sheep and Goat Research 20:47-50.
25. **J. A. Daniel**, T. H. Elsasser, A. Martínez, B. Steele, B. K. Whitlock, and J. L. Sartin. 2005. Interleukin-1β and tumor necrosis factor-α mediation of endotoxin action on growth hormone. American Journal of Physiology Endocrinology and Metabolism 289:E650-657.
26. J. L. Sartin, C. G. Wagner, D. L. Marks, **J. A. Daniel**, C. D. McMahon, F. Y. Obese, and C. Partridge. 2005. Melanocortin receptor-4 in sheep: a potential site for therapeutic intervention in disease models. Domestic Animal Endocrinology 29:446-455.

27. B. K. Whitlock, **J. A. Daniel**, C. D. McMahon, F. C. Buonomo, C. G. Wagner, B. Steele, and J. L. Sartin. 2005. Intracerebroventricular melanin-concentrating hormone stimulates food intake in sheep. Domestic Animal Endocrinology 28:224-232.
28. C. G. Wagner, C. D. McMahon, D. L. Marks, **J. A. Daniel**, B. Steele, and J. L. Sartin. 2004. A role for agouti-related protein in appetite regulation in a species with continuous nutrient delivery. Neuroendocrinology 80:210-218.
29. **J. A. Daniel**, M. S. Abrams, L. deSouza, C. G. Wagner, B. K. Whitlock, and J. L. Sartin. 2003. Endotoxin inhibition of luteinizing hormone in sheep. Domestic Animal Endocrinology 25:13-19.
30. **J. A. Daniel**, T. H. Elsasser, C. D. Morrison, D. H. Keisler, B. K. Whitlock, B. Steele, D. Pugh, J. L. Sartin. 2003. Leptin, tumor necrosis factor-α (TNF), and CD14 in ovine adipose tissue and changes in circulating TNF in lean and fat sheep. J. Anim. Sci. 81:2590-2599.
31. J.L. Sartin, T.H. Elsasser, S. Kahl, J. Baker, **J.A. Daniel**, D.D. Schwartz, B. Steele, B.K. Whitlock. 2003. Estradiol plus progesterone treatment modulates select elements of the proinflammatory cytokine cascade in steers: Attenuated nitric oxide and thromboxane B2 production in endotoxemia. J. Anim. Sci. 81:1546-1551.
32. C. D. Morrison, **J. A. Daniel**, J. H. Hampton, P. R. Buff, T. M. McShane, M. G. Thomas and D. H. Keisler. 2003. Luteinizing hormone and growth hormone secretion in ewes infused intracerebroventricularly with neuropeptide Y. Domestic Animal Endocrinology 24:69-80.
33. P. R. Buff, A. C. Dodds, C. D. Morrison, N. C. Whitley, E. L. McFadin, **J. A. Daniel**, J. Djiane, and D. H. Keisler. 2002. Leptin in horses: Tissue localization and relationship between peripheral concentrations of leptin and body condition. J. Anim. Sci. 80:2942-2948.
34. **J. A. Daniel,** B. K. Whitlock, C. G. Wagner, and J. L. Sartin. 2002. Regulation of the growth hormone and luteinizing hormone response to endotoxin in sheep. Domestic Animal Endocrinology 23:361-370.
35. **J. A. Daniel**, B. K. Whitlock, J. A. Baker, B. Steele, C. D. Morrison, D. H. Keisler, and J. L. Sartin. 2002. Effect of body fat mass and nutritional status on 24-hour leptin profiles in ewes. Journal of Animal Science 80:1083-1089.
36. **J. A. Daniel**, S. W. Sterle, E. L. McFaddin-Buff, and D. H. Keisler. 2001. Breeding ewes out-of-season with melangestrol acetate, controlled internal drug release devices, or progesterone. Theriogenology 56(1):105-110.
37. C. D. Morrison, **J.A. Daniel**, B.J. Holmberg, J. Djiane, N. Raver, A. Gertler, and D.H. Keisler. 2001. Central infusion of leptin into well-fed and undernourished ewe lambs: Effects on feed intake and serum concentrations of growth hormone and lutienizing hormone. Journal of Endocrinology 168:317-324.
38. J. A. Carroll, **J. A. Daniel**, D. H. Keisler, and R. L. Matteri. 2000. Postnatal function of the somatotrophic axis in pigs born naturally or by caesarian-section. Domestic Animal Endocrinology 19:39-52.
39. **J. A. Daniel**, C. S. Hale, M. G. Thomas, J. Simmons, and D. H. Keisler. 2000. Central infusion of insulin suppressed hypothalamic expression of leptin receptor while increasing serum LH in the diet-restricted ewe. Domestic Animal Endocrinology 18:177-185.
40. D. H. Keisler, **J. A. Daniel**, and C. D. Morrison. 1999. Leptin's role in nutritional status and reproductive function. J Reprod Fertil Suppl. 54:425-35.
41. S. Van Dyke, L. Wallace, S. W. Sterle, **J. A. Daniel**, B. J. Holmberg, and D. H. Keisler. 1999. Use of Florfenicol or Oxytetracyclin for treatment of ovine foot rot. Sheep and Goat Research 15(2):54-57.
42. J. A. Carroll, **J. A. Daniel**, D. H. Keisler, and R. L. Matteri. 1999. Non-surgical chronic catherization of the jugular vein in neonatal pigs. Laboratory Animals 33:1-6.
43. **J. A. Daniel**, D. H. Keisler, J. A. Sterle, R. L. Matteri, and J. A. Carroll. 1999. Type of birth affects post-natal function of the hypothalamic-pituitary-adrenal (HPA) axis in the young pig. Journal of Animal Science 77:742-749.
44. **J. A. Daniel**, M. G. Thomas, M. R. Powell, and D. H. Keisler. 1997. Methscopolamine bromide blocks hypothalamic-stimulated release of growth hormone in ewes. Journal of Animal Science 75:1359-62.

Genbank submissions

1. C. G. Wagner, C. D. McMahon, D. L. Marks, **J. A. Daniel**, B. Steele, and J. L. Sartin, 2003. Ovis aries agouti-related protein mRNA, partial cds. Genbank Accession no. AY31096
2. B. Steele, **J. A. Daniel**, and J. L. Sartin. 2003. Ovis aries CD14 mRNA, partial cds. Genbank Accession no. AY289201
3. B. Steele, **J. A. Daniel**, and J. L. Sartin. 2003. Ovis aries tumor necrosis factor alpha (TNF alpha) mRNA, partial cds. Genbank Accession no. AY289202
4. A. C. Dodds, **J. A. Daniel**, N. C. Whitley, and D. H. Keisler. 1999. Equus caballus leptin mRNA, partial cds. Genbank Accession no. AF179275.
5. J. M. Simmons, **J. A. Daniel**, R. L. Matteri, and D. H. Keisler. 1998. Ovis aries neuropeptide Y mRNA, partial cds. Genbank Accession no. AF095782.

Abstracts

1. **J. A. Daniel,** M. G. Stockwell-Goering, A. R. Crane, C. M. Hernandez, D. F. Qualley, and B. K. Whitlock. 2017. Oral administration of L-citrulline increases plasma concentrations of L-citrulline and arginine in horses. J. Anim. Sci. 95(Suppl. 4):166.
2. S. L. Patterson, E. A. Coffman, L.G. Strickland, K. G. Pohler, **J. A. Daniel**, and B. K. Whitlock. 2017. Effects of acute and chronic infusion of kisspeptin on luteinizing hormone and follicle stimulating hormone in prepubertal bulls. SFT/ACT Annual Conference.
3. J. A. Sterle, H. D. Tyler, and **J. A. Daniel**. 2016. Beyond veterinary school: Helping animal science students explore other career opportunities. J. Anim. Sci. 94 (E-Suppl. 5):844.
4. **J. A. Daniel,** G. R. Gallagher, and T. D. Pringle. 2015. Retention of concepts related to beef palatability from classroom experience of an informal consumer sensory panel in conjunction with discussion. J. Anim. Sci. 93 (E-Suppl. s3):502.
5. M. G. Stockwell-Goering, E. Benavides, D. H. Keisler, and **J. Daniel**. 2015. Impact of visual, auditory, and olfactory cues on circulating concentrations of ghrelin in wethers. Abstract #119 Southern Section American Society of Animal Science Meeting Abstract Book p 48-49.
6. B.K. Whitlock, **J.A. Daniel**, B. Harvey, J. Johnson, J.F. Coetzee. 2014. Seroprevalence of bovine anaplasmosis in the southern US. 47th Annual Conference of the AABP.
7. B.K. Whitlock, **J.A. Daniel**, B. Harvey, J. Johnson, W.R. Stensland, C. Chung, and J.F. Coetzee. 2014. Comparison of two competitive enzyme-linked immunosorbent assays for Anaplasma marginale in cattle. 47th Annual Conference of the AABP.
8. J. L. Sartin, **J. A. Daniel,** C. Foradori, and B. K. Whitlock. 2013. Novel regulation of growth hormone by kisspeptin. Proceedings of World Congress on Animal Production.
9. **J. A. Daniel,** P. D. Krawczel, and B. K. Whitlock. 2013. Effect of meloxicam on gain and behavior of calves castrated by banding preweaning. J. Anim. Sci. 91 (E-Suppl. 2):529.
10. B. Whitlock, P. Krawczel, J. Carroll, N. Burdick Sanchez, J. Dailey, **J. Daniel**, and J. Coetzee. 2013. Effect of meloxicam on gain and inflammatory response of calves castrated by banding post-weaning. J. Anim. Sci. 91 (E-Suppl. 2):532-533.
11. P. D. Krawczel, J. A. Carroll, N. C. Burdick Sanchez, J. W. Dailey, **J. A. Daniel**, J. F. Coetzee, and B. K. Whitlock. 2013. Meloxicam mediates short-term behavioral changes of castrated calves. J. Anim. Sci. 91 (E-Suppl. 2):533.
12. B. K. Whitlock, K. A. Chameroy, R. R. Payton, S. Oishi, N. Fujii, and **J. A. Daniel**. 2013. Kisspeptin receptor agonist (FTM080) increased plasma concentrations of luteinizing hormone in anestrous ewes. SFT/ACT Annual Conference.
13. **J. A. Daniel**, P. H. Walz, J. A. Carroll, T. H. Elsasser, and B. K. Whitlock. 2012. Impact of water and feed deprivation on physiological parameters in steers. J. Anim. Sci. 90(Suppl. 3):8.
14. **J. A. Daniel**, K. M. DiTulio, A. E. Garber, D. H. Keisler, and A. Wertz-Lutz. 2011. Short-term reduction in feed causes an increase in circulating concentrations of ghrelin and decrease in circulating concentrations of leptin. Proceedings of 7th International Congress on Farm Animal Endocrinology, p. 75-76.

15. B. K. Whitlock, E. A. Coffman, J. F. Coetzee, and **J. A. Daniel**. 2011. Effect of electroejaculation on plasma concentrations of cortisol and substance P in beef bulls. Proceedings of 7th International Congress on Farm Animal Endocrinology, p. 42.
16. B. K. Whitlock, **J. A. Daniel**, M. A. Hes, B. P. Steele, J. L. Sartin, S. Oishi, and N. Fujii. 2011. The effect of a kisspeptin receptor agonist (FTMO80) on luteinizing hormone in sheep. Proceedings of 7th International Congress on Farm Animal Endocrinology, p. 89.
17. **J. A. Daniel**, A. B. Milam, M. E. Gafnea, B. K. Whitlock, and D. H. Keisler. 2010. Changes in plasma concentrations of leptin in ewes during pregnancy. J. Anim. Sci. 88(E. Suppl. 2):389-390.
18. J. L. Sartin, I. J. Clarke, **J. A. Daniel**, R. Millar, B. K. Whitlock, and R. R. Wilborn. 2010. Hypothalamic site of action of kisspeptin in the regulation of growth hormone release in ruminants. NRI/AFRI Animal Growth and Utilization Annual Investigator Meeting Proceedings, p. 41-42.
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