

Joseph A. (Jay) Daniel

P. O. Box 495003
Berry College
Mount Berry, GA 30149

(706) 236-2243 (office)
jadaniel@berry.edu (e-mail)

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

Full Professor 2016-present
Chair 2016-2019
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

Care, feeding and health procedures including artificial insemination for Charolais cattle. 1997-1999

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 105 Introduction to Agricultural Science online
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

- Comparison of intensive grazing different grass residue heights on ewe performance, parasite infestation, and pasture environment. Principal Investigator, funded for \$5500 FY 2019 Laura Maddox Smith Summer Research Institute for the Environmental Sciences
- How Shoeing Affects Equine Activity and Comfort, Faculty Mentor, funded for \$1436 FY 2018-19 Richards Undergraduate Research Support Grant
- Comparison of intensive grazing and slow rotational grazing on ewe performance, parasite infestation, and pasture environment. Principal Investigator, funded for \$6000 FY 2018 Laura Maddox Smith Summer Research Institute for the Environmental Sciences
- Analysis of effects of orally administered L-citrulline on release of arginine, growth hormone, and insulin-like growth factor-I, Faculty Mentor, funded for \$1496 FY 2018-19 Richards Undergraduate Research Support Grant
- 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
- Anaplasmosis 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

Fannin County, Georgia Young Farmers FAMACHA training. 2019
Beef Cattle Breeds and Breeding Systems. 2018 St. George's University School of Veterinary Medicine
Therigenology Club Skype presentation.
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
Smart Drenching and FAMACHA trainer
Beef Quality Assurance trainer
Completed Masters of Beef Advocacy training
Georgia Cattleman's Association member 2021-
American Society of Animal Science Board of Directors 2018-

American Society of Animal Science Board of Directors Recording Secretary 2018-
Translational Animal Science Editorial Board 2017-present
Berry College Dairy Faculty Liaison 2016-present
Berry College Sheep Unit Faculty Liaison 2013-present
American Society of Animal Science Southern Section Academic Quadrathlon Committee 2016-2019;
chair 2019
Journal of Animal Science Editorial Board 2015-2018
American Society of Animal Science 2018 Triennial Growth Symposium Committee Chair
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 2014-2018, chair 2017 and 2018
Berry College Animal Science Academic Quadrathlon Team coach 2013-2018
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
Edited 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, Annals of Animal Science, Translational Animal
Science, National Science Center Poland, Research in Veterinary Science, and Innate Immunity
University of Georgia Animal Science Academic Quadrathlon 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 – (54 refereed papers, 79 abstracts, 19 non-refereed publications)**Refereed Manuscripts**

1. W. E. Brown, M. Garcia, L. K. Mamedova, K. R. Christman, M. G. Zenobi, C. R. Staples, B. M. Leno, T. R. Overton, B. K. Whitlock, **J. A. Daniel**, and B. J. Bradford. 2020 Acute-phase protein alpha-1-acid glycoprotein is negatively associated with feed intake in postpartum dairy cows. *J. Dairy Sci.* DOI 10.3168/jds.2020-19025.
2. **J. A. Daniel**, A. Crane, P. D. Krawczel, J. F. Coetzee, and B. K. Whitlock. 2020. Effect of oral meloxicam administration on growth performance and behavior of pre-weaning age calves following band castration. *Translational Animal Science* 4:1082-1090; DOI 10.1093/tas/txaa021.
3. **J. A. Daniel**, R. Groux, J. A. Wilson, P. D. Krawczel, A. R. Lee, and B. K. Whitlock. 2020. Short communication: Trimming and re-shoeing results in more steps per day and more time spent lying per day. *J. Equine Vet. Sci.* 88:102947; DOI 10.1016/j.jevs.2020.102947.
4. S. L. Northup, E. A. Coffman, L. G. Strickland, K. G. Pohler, **J. A. Daniel**, and B. K. Whitlock. 2020. Intravenous infusion of kisspeptin increased serum luteinizing hormone acutely and decreased serum follicle stimulating hormone chronically in prepubertal bull calves. *Theriogenology* 144:1-7; DOI 10.1016/j.theriogenology.2019.12.013.
5. B. A. Gregg, P. A. Parker, K. M. Waller, L. G. Schneider, M. Garcia, B. Bradford, **J. A. Daniel**, and B. K. Whitlock. 2019. Effects of central and peripheral administration of an acute-phase protein, α -1-acid-glycoprotein, on feed intake and rectal temperature in sheep. *J. Anim. Sci.* 97(12):4783-91; DOI 10.1093/jas/skz336.
6. C. C. Okafor, S. L. Collins, **J. A. Daniel**, J. F. Coetzee, and B. K. Whitlock. 2019. Factors associated with seroprevalence of bovine anaplasmosis in Mississippi, USA. *Veterinary Parasitology: Regional Studies and Reports* 17 DOI:10.1016/j.vprsr.2019.100301.
7. P. A. Parker, E. A. Coffman, K. G. Pohler, **J. A. Daniel**, V. Aucagne, M. Beltramo, and B. K. Whitlock. 2019. Acute and subacute effects of a synthetic kisspeptin analog, C6, on serum concentrations of luteinizing hormone, follicle stimulating hormone, and testosterone in prepubertal bull calves. *Theriogenology* 130:111-119; DOI 10.1016/j.theriogenology.2019.03.002.
8. C. C. Okafor, S. L. Collins, **J. A. Daniel**, J. F. Coetzee, and B. K. Whitlock. 2019. Seroprevalence of bovine Anaplasmosis in Georgia. *Veterinary Parasitology: Regional Studies and Reports* 15: ;DOI 10.1016/j.vprsr.2018.100258.
9. C. C. Okafor, S. L. Collins, **J. A. Daniel**, B. Harvey, J. F. Coetzee, and B. K. Whitlock. 2018. Factors associated with seroprevalence of bovine anaplasmosis in Texas. *Veterinary Parasitology: Regional Studies and Reports* 14:32-40; DOI 10.1015/j.vprsr.2018.08.004.
10. C. C. Okafor, S. L. Collins, **J. A. Daniel**, B. Harvey, X. Sun, J. F. Coetzee, and B. K. Whitlock. 2018. Factors associated with seroprevalence of *Anaplasma marginale* in Kentucky cattle. *Veterinary Parasitology: Regional Studies and Reports* 13:212-219; DOI 10.1016/j.vprsr.2018.07.003.
11. 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* 158:3526-3539; DOI 10.1210/en.2017-00303.
12. **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.
13. 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 anestrus ewes. *PeerJ* 3:e1382; DOI 10.7717/peerj.1382.
14. 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.

15. **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.
16. **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.
17. 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.
18. 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.
19. 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.
20. **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.
21. 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.
22. 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.
23. B. K. Whitlock, **J. A. Daniel**, R. R. Wilborn, H. S. Maxwell, B. P. Steele, and J. L. Sartin. 2010. Interaction of kisspeptin and the somatotrophic axis. *Neuroendocrinology* 92:178-188.
24. J. L. Sartin, D. L. Marks, C. D. McMahan, **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.
25. 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.
26. **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.
27. 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 neuroendocrine control of growth and reproduction in farm animals. *Reproduction in Domestic Animals* 43(Suppl. 2):317-323.
28. 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.
29. 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.
30. 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.
31. 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.
32. **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.
33. 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.

34. **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.
35. **J. A. Daniel**, T. H. Elsasser, A. Martínez, B. Steele, B. K. Whitlock, and J. L. Sartin. 2005. Interleukin-1 β and tumor necrosis factor- α mediation of endotoxin action on growth hormone. *American Journal of Physiology Endocrinology and Metabolism* 289:E650-657.
36. 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.
37. 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.
38. 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.
39. **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.
40. **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.
41. 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.
42. 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.
43. 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.
44. **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.
45. **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.
46. **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.
47. 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 luteinizing hormone. *Journal of Endocrinology* 168:317-324.
48. 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.
49. **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.
50. 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.
51. 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.

52. J. A. Carroll, **J. A. Daniel**, D. H. Keisler, and R. L. Matteri. 1999. Non-surgical chronic catheterization of the jugular vein in neonatal pigs. *Laboratory Animals* 33:1-6.
53. **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.
54. **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. C. S. Kay, D. H. Keisler, and **J. A. Daniel**. 2020. The effect of glucocorticoids on plasma concentrations of ghrelin in sheep. American Society of Animal Science-Canadian Society of Animal Science-Western Section American Society of Animal Science Virtual Annual Meeting Abstract number PSII-37 – Program Chair Poster Pick.
2. W. E. Brown, M. Garcia, L. K. Mamedova, K. R. Christman, M. G. Zenobi, C. R. Staples, B. M. Leno, T. R. Overton, B. K. Whitlock, **J. A. Daniel**, and B. J. Bradford. 2020. Plasma alpha-1-acid glycoprotein concentration is associated with key blood biomarkers and disease incidence during the transition period. American Dairy Science Association Virtual Annual Meeting.
3. I. Kukor-Laureano, I. VanBuren, and **J. A. Daniel**. 2020. Impact of daily movement with low or higher target residue on ewe weight gain and parasite infestation. Southern Section American Society of Animal Science Meeting.
4. C. Okarfor, S. Collins, **J. Daniel**, B. Whitlock, and J. P. Coetzee. 2019. Factors associated with seroprevalence of *Anaplasma marginale* in Mississippi cattle. 100th Conference of Research Workers in Animal Diseases Proceedings: p 155.
5. C. Okarfor, J. P. Coetzee, S. Collins, **J. Daniel**, and B. Whitlock. 2019. Seroprevalence of *Anaplasma marginale* in Georgia cattle. 100th Conference of Research Workers in Animal Diseases Proceedings: p 268.
6. R. Groux, B. K. Whitlock, A. Lee, P. Krawczel, and **J. A. Daniel**. 2019. Increased activity in horses following reapplication of shoes. American Society of Animal Science-Canadian Society of Animal Science Annual Meeting Abstract number PSVII-38.
7. J. L. Sartin, **J. A. Daniel**, C. Foradori, and B. K. Whitlock. 2019. Novel regulation of growth hormone by kisspeptin. American Society of Animal Science-Canadian Society of Animal Science Annual Meeting Abstract number 295.
8. Brown, W. E., M. Garcia, L. K. Mamedova, M. G. Zenobi, C. R. Staples, B. M. Leno, T. R. Overton, B. K. Whitlock, **J. A. Daniel**, and B. J. Bradford. 2019. Plasma alpha-1-acid glycoprotein is negatively associated with dry matter intake in postpartum dairy cows. *J Dairy Sci.* 102 (Suppl. 1):395 (Abstr.).
9. K. Bradley, B. Boyd, L. Garrison, M. Higgins, R. Newton, M. Vega, R. Gates, and **J. Daniel**. 2019. Comparison of daily rotation and slow rotational grazing on ewe performance, parasite infestation, and soil. *J. Anim. Sci.* 97(Suppl. 1):75. DOI:10.1093/jas/skz053.170.
10. W. E. Brown, M. Garcia, L. K. Mamedova, M. G. Zenobi, C. R. Staples, B. K. Whitlock, **J. A. Daniel**, and B. J. Bradford. 2018. Alpha-1-acid glycoprotein is negatively associated with dry matter intake in postpartum dairy cows. 35th American Dairy Science Association Discover Conference: Effects of Stress on Health and Production in Dairy Cows.

11. **J. A. Daniel**, B. A. Gregg, P. A. Parker, K. M. Waller, M. Garcia, B. J. Bradford, and B. K. Whitlock. 2018. Flunixin meglumine does not inhibit hyperthermia induced by central administration of α -1-acid-glycoprotein, an acute phase protein, in sheep. American Society of Animal Science-Canadian Society of Animal Science Annual meeting.
12. P. A. Parker, E. A. Coffman, K. G. Pohler, **J. A. Daniel**, M. Beltramo, and B. K. Whitlock. 2018. Acute and subacute effects of synthetic kisspeptin analog on serum concentrations of luteinizing hormone, follicle stimulating hormone, and testosterone in prepubertal bull calves. Society for Study of Reproduction 2018 Annual Meeting P508.
13. B. A. Gregg, P. A. Parker, M. K. Waller, M. Garcia, B. J. Bradford, **J. A. Daniel**, and B. K. Whitlock. 2018. Central administration of an acute phase protein, α -1-acid-glycoprotein, increases rectal temperature in sheep. *J. Dairy Sci.* 101(suppl. 2):29.
14. M. K. Waller, B. A. Gregg, P. A. Parker, M. Garcia, B. J. Bradford, **J. A. Daniel**, and B.K. Whitlock. 2018. Effect of central administration of an acute phase protein, α -1-acid-glycoprotein, on feed intake in sheep. *J. Dairy Sci.* 101(suppl. 2):223.
15. B. K. Whitlock, B. A. Gregg, P. A. Parker, M. K. Waller, M. Garcia, B. J. Bradford, and **J. A. Daniel**. 2018. The effects of central administration of a leptin receptor antagonist on endotoxin-induced hypophagia and fever in sheep. *J. Dairy Sci.* 101(suppl. 2):224.
16. L. L. Amelse, J. T. Mulliniks, **J. A. Daniel**, and B. K. Whitlock. 2018. Beta-hydroxy butyrate enhances kisspeptin-stimulated expression of gonadotropin releasing hormone in GT1-7 cells. *J. Dairy Sci.* 101(supple. 2):384.
17. J. L. Sartin, C. Foradori, **J. A. Daniel**, and B. K. Whitlock. 2017 Kisspeptin as a novel regulator of GH. 50th South African Society for Animal Science Congress:41.
18. J. L. Sartin, **J. A. Daniel**, and B. K. Whitlock. 2017. Appetite control by the brain in disease. 50th South African Society for Animal Science Congress:43.
19. **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.
20. 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.
21. 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.
22. **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.
23. 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.
24. 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.
25. 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.
26. 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.
27. **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.
28. 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.
29. 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.

30. 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.
31. **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.
32. **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.
33. 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.
34. 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 (FTM080) on luteinizing hormone in sheep. *Proceedings of 7th International Congress on Farm Animal Endocrinology*, p. 89.
35. **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.
36. 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.
37. J. L. Sartin, D. L. Marks, B. K. Whitlock, **J. A. Daniel**, and B. P. Steele. 2010. Effect of leukemia inhibitory factor on feed intake and body temperature in sheep. *J. Anim. Sci.* 88(E. Suppl. 2):629.
38. B. K. Whitlock, **J. A. Daniel**, B. P. Steele, and J. L. Sartin. 2010. Changes in plasma concentrations of growth hormone and luteinizing hormone in ewes following central and peripheral treatment with kisspeptin. *J. Anim. Sci.* 88(E. Suppl. 2):112.
39. J. L. Sartin, B. K. Whitlock, and **J. A. Daniel**. 2010. Neural regulation of feed intake: Modification by hormones, fasting and disease. *J. Anim. Sci.* 88(E. Suppl. 2):2.
40. R. R. Wilborn, B. K. Whitlock, **J. A. Daniel**, B. P. Steele, and J. L. Sartin. 2009. Kisspeptin-induced LH response in diestrous and anestrous mares. SFT/ACT Annual Conference.
41. J. L. Sartin, B. K. Whitlock, R. R. Wilborn, and **J. A. Daniel**. 2009. Hormonal and neurotransmitter mechanisms regulating feed intake. 60th Annual Meeting of the European Association of Animal Production. Abstract booklet #15, p. 93.
42. **J. A. Daniel**, S. E. Kitts, and T. D. Pringle. 2009. Effect of instructor on use of an informal consumer sensory panel to teach students concepts related to beef palatability. *J. Anim. Sci.* 87(E. Suppl. 2):114.
43. B. K. Whitlock, **J. A. Daniel**, R. R. Wilborn, H. S. Maxwell, B. P. Steele, and J. L. Sartin. 2008. The effects of lactation and negative energy balance on kisspeptin-stimulated luteinizing hormone and growth hormone in dairy cows. 6th International Congress on Farm Animal Endocrinology. Abstract 42.
44. J. S. Jennings, R. H. Pritchard, K. W. Bruns, A. Trenkle, D. H. Keisler, **J. A. Daniel**, and A. E. Wertz-Lutz. 2008. Relationship of ghrelin and leptin with growth performance and carcass composition of beef cattle. *J. Anim. Sci.* 86(E. Suppl. 2):562-563.
45. **J. A. Daniel** and T. D. Pringle. 2008. Use of an informal taste panel to teach students concepts related to beef palatability. *J. Anim. Sci.* 86(E. Suppl. 2):98.
46. A. K. R. Everts, D. M. Wulf, T. L. Wheeler, A. J. Everts, and **J. A. Daniel**. 2007. Effects of pH-enhancement on sarcomere length, desmin degradation, moisture retention, palatability and consumer acceptability of normal and callipyge lambs. *American Meat Science Association – Reciprocal Meat Conference abstract*.
47. **J. A. Daniel**, J. E. Held, and L. Holler. 2007. Presence of *Mycoplasma sp.* in lambs with lung lesions. *J. Anim. Sci.* 85(Suppl. 1):251.
48. **J. A. Daniel**, G. A. Perry, and A. E. Wertz-Lutz. 2006. Impact of exogenous ghrelin administration on circulating concentrations of luteinizing hormone in steers. *J. Anim. Sci.* 84(Suppl.1):205.

49. C. S. Schauer, J. Held, **J. A. Daniel**, J. S. Caton, P. G. Hatfield, R. Stobart, and J. O. Hall. 2006. Lamb muscle selenium concentration plateaus following 56 days of selenium supplementation. *J. Anim. Sci.* 84(Suppl.2):153.
50. T. J. Huls, A. J. Bartosh, **J. A. Daniel**, R. D. Zelinsky, J. E. Held, and A. E. Wertz-Lutz. 2006. Feeding dried distillers grains with solubles as a replacement for soybean meal and a portion of the corn in finishing diets. *J. Anim. Sci.* 84(Suppl.2):69.
51. A. E. Wertz-Lutz, **J. A. Daniel**, J. A. Clapper, D. C. Beitz, and A. Trenkle. 2005. Exogenous ghrelin stimulates growth hormone release in ad libitum fed steers. *J. Anim. Sci.* 83(Suppl.1):282.
52. D. G. Brake and **J. A. Daniel**. 2005. Impact of nutrition and body condition score at conception on gestation length. *J. Anim. Sci.* 83(Suppl. 1):65.
53. C. S. Schauer, J. Held, **J. A. Daniel**, J. S. Caton, P. G. Hatfield, R. Stobart, L. P. Anderson, and J. O. Hall. 2005. The influence of length of supra-selenium supplementation on selenium status, feedlot performance, and carcass characteristics of finishing lambs. *J. Anim. Sci.* 83(Suppl. 2):109.
54. **J. A. Daniel**, T. H. Elsasser, and W. Epperson 2004. Elevation of tumor necrosis factor- α and α_1 -acid glycoprotein in lambs with consolidation of lung tissue. *J. Anim. Sci.* 82(Suppl. 1):179.
55. C. G. Wagner, C. D. McMahon, D. L. Marks, **J. A. Daniel**, and J. L. Sartin. 2004. Anorectic Effects of Lipopolysaccharide are Prevented by Intracerebroventricular Injection of Agouti Related Protein. Endocrine Society 86th Annual Meeting
56. J. L. Sartin, C. G. Wagner, D. L. Marks, **J. Daniels**, and C. D. McMahon. 2004. Appetite Regulation in Sheep: A Potential Site for Therapeutic Intervention in Disease Models. *Biotechnology, Agronomy Society and Environment* 8:35.
57. B. Feiler, A. Smart, **J. Daniel**, and K. Bruns. 2004. A comparison of goats and sheep used as a biological control of western snowberry. P. 51 *In Abstracts: Rangelands in transition*. Society for Range Management 57th Annual Meeting. Jan 24-30, Salt Lake City, UT.
58. C. G. Wagner, B. K. Whitlock, C. D. McMahon, D. L. Marks, **J. A. Daniel**, and J. L. Sartin. 2003. A Role for AGRP in Appetite Regulation in a Species with Continuous Nutrient Delivery. Endocrine Society 85th Annual Meeting
59. T. Nadgwick, A. Smart, **J. Daniel**, K. Bruns, J. Held, and B. Dunn. 2003. Biological control of western snowberry by goat grazing. p 187. *In Abstracts: Rangelands diversity through time*. Society for Range Management 56th Annual Meeting. Feb 2-6, Casper, WY.
60. A. J. Young, L. Dudler, **J. A. Daniel**. 2002. Differential expression of PrP^c on phenotypically and functionally distinct subsets of sheep B cells: a linkage with CD21.
61. **J. Daniel**, B. Whitlock, T. Elsasser, J. Baker, B. Steele, D. Pugh, and J. Sartin. 2001. Plasma tumor necrosis factor- α is increased with obesity in sheep. *Biotechnology, Agronomy Society and Environment* 5(special issue):75.
62. **J. A. Daniel**, B. K. Whitlock, J. A. Baker, B. Steele, C. D. Morrison, D. H. Keisler, T. H. Elsasser, and J. L. Sartin. 2001. Effect of obesity and fasting on leptin secretion and message expression in ewes. *J. Anim. Sci.* 79(suppl. 1):387.
63. B. K. Whitlock, **J. A. Daniel**, D. F. Buxton, F. Buonomo, C. J. Dyer, and J. L. Sartin. 2001. Intracerebroventricular melanin-concentrating hormone stimulates food intake in sheep. *J. Anim. Sci.* 79(suppl. 1):387.
64. **J. A. Daniel**, B. K. Whitlock, B. Steele, D. F. Buxton, and J. L. Sartin. 2001. Peripheral administration of interleukin-1 receptor antagonist or soluble tumor necrosis factor receptor blocks endotoxin induced growth hormone secretion. Endocrine Society 83rd Annual Meeting:422 .
65. **J. A. Daniel**, D. H. Keisler, C. J. Dyer, R. L. Matteri, and J. A. Carroll. 2000. Function of the reproductive system of neonatal pigs born naturally or by caesarian section. *J. Anim. Sci.* 78(suppl. 2):77.
66. P. R. Buff, A. C. Dodds, C. D. Morrison, N. C. Whitley, E. L. Mcfadin-Buff, **J. A. Daniel**, and D. H. Keisler. 2000. Leptin in horses: Tissue localization and relation between peripheral concentrations and body condition. *J. Anim. Sci.* 78(suppl. 2):2.
67. C. D. Morrison, **J. A. Daniel**, N. Raver, A. Gertler, and D. H. Keisler. 1999. Leptin alters neuropeptide Y mRNA and serum growth hormone in undernourished ewe lambs. *Soc. Neurosci. Abstr.* 25(1):412.

68. **J. A. Daniel**, D. H. Keisler, L. A. Beausang, M. E. Zannelli, R. L. Matteri, and J. A. Carroll. 1999. Immune system function of neonatal pigs born naturally or by caesarian section. *J. Anim. Sci.* 77(suppl. 1):214.
69. C. D. Morrison, **J.A. Daniel**, P.R. Buff and D.H. Keisler. 1999. Continuous, Intracerebroventricular Infusion of Neuropeptide Y Induces a Prolonged Suppression of LH. *J. Anim. Sci.* 77(suppl. 1):216.
70. **J. A. Daniel**, D. H. Keisler, J. A. Sterle, R. L. Matteri, and J. A. Carroll. 1998. Type of birth affects the function of the hypothalamic-pituitary-adrenal axis in the neonatal pig. *J. Anim. Sci.* 76(suppl. 1):99.
71. J. A. Carroll, **J. A. Daniel**, J. A. Sterle, D. H. Keisler, and R. L. Matteri. 1998. Post-natal function of the somatotrophic axis in piglets born naturally or by Caesarian-section. *J. Anim. Sci.* 76(suppl. 1):126.
72. C. D. Morrison, **J. A. Daniel**, B. J. Holmberg, O. U. Bolden, and D. H. Keisler. 1998. Effects of lateral cerebroventricular infusion of leptin on ewe lambs. *J. Anim. Sci.* 76(suppl. 1):225.
73. B. J. Holmberg, C. D. Morrison, **J. A. Daniel**, O. U. Bolden, O. S. Gazal, W. W. Vale, and D. H. Keisler. 1998. Response of the reproduction-nutrition axis in ovariectomized ewes to intracerebroventricular infusion of urocortin. *Biology of Reproduction* 58(suppl. 1):137.
74. **J. A. Daniel**, S. W. Sterle, and D. H. Keisler. 1998. Breeding ewes out of season using MGA or one injection of progesterone. *J. Anim. Sci.* 76(suppl. 2):38.
75. S. VanDyke, **J. A. Daniel**, S. W. Sterle, B. J. Holmberg, and D. H. Keisler. 1998. Use of Florfenicol or Oxytetracycline for treatment of ovine foot rot. *J. Anim. Sci.* 76(suppl. 2):33.
76. L. Brokaw, **J. A. Daniel**, B. J. Holmberg, and D. H. Keisler. 1997. Serum concentrations of growth hormone of ewe and wether lambs treated with zeranol or melengestrol acetate. *Univ of MO Undergrad Res Sci Sym.*
77. J. M. Simmons, **J. A. Daniel**, M. G. Thomas, C. S. Hale, and D. H. Keisler. 1997. Effects of insulin and glucose on leptin receptor expression in diet-restricted ewes. *Biology of Reproduction* 56(Suppl. 1):207.
78. **J. A. Daniel**, M. G. Thomas, C. S. Hale, and D. H. Keisler. 1997. Serum concentrations of LH increase in feed restricted ewes in response to chronic intracerebral infusion of insulin (\pm glucose). *J. Anim. Sci.* 75(suppl. 1):218.
79. **J. A. Daniel**, M. G. Thomas, M. R. Powell, and D. H. Keisler. 1996. Methscopolamine bromide blocks hypothalamic-stimulated release of growth hormone in ewes. *J. Anim. Sci.* 74(suppl. 1):74.

Non-refereed Publications

1. J. L. Sartin, **J. A. Daniel**, and B. W. Whitlock. 2010. Regulation of feed intake by the brain of ruminants. *FeedInfo News Service Scientific Review*. Available from URL: <http://www.feedinfo.com>.
2. A. Wertz-Lutz, **J. Daniel**, J. Clapper, A. Trenkle, and D. Beitz. 2007. Prolonged, moderate nutrient restriction in beef cattle results in persistently-elevated plasma ghrelin concentrations. *SDSU Beef Research Report 2007-02*.
3. A. Wertz-Lutz, **J. Daniel**, J. Clapper, A. Trenkle, and D. Beitz. 2007. Relationship of plasma ghrelin concentrations with end-products of carbohydrate fermentation for beef cattle during a feeding interval. *SDSU Beef Research Report 2007-03*.
4. J. J. Herrig, S. M. Holt, and **J. A. Daniel**. 2006. Shearing lambs improves growth performance during periods with elevated thermal load. *SDSU Sheep Research Report 2006-1*.
5. **J. A. Daniel** and J. Held. 2006. Testing intervention strategies to reduce the prevalence of lung lesions in lambs. *SDSU Sheep Research Report 2006-2*.
6. R. Zelinsky, **J. A. Daniel**, and J. Held. 2006. The effect of corn or soybean hull diets supplemented with dried distillers grains with solubles (DDGS) on finishing lamb performance and carcass merit. *SDSU Sheep Research Report 2006-3*.
7. A. E. Wertz-Lutz, R. H. Pritchard, **J. A. Daniel**, and J. A. Clapper. 2005. Intravenous ghrelin infusion affects plasma growth hormone concentrations, dry matter disappearance, and length of time spent feeding. *SDSU Beef Research Report 2005-19*.

8. **J. A. Daniel**, J. Held, C. S. Schauer, and W. Epperson. 2005. Lung Lesions in Lambs. *Western Dakota Sheep & Beef Day* 46:40-45.
9. C. S. Schauer, J. Held, **J. Daniel**, J. Caton, P. Hatfield, R. Stobart, L.P. Anderson, J.O. Hall, D.M. Stecher, D. Pearson, and D. Drolc. 2005. Development of high Selenium lamb as a human health food. *Western Dakota Sheep & Beef Day*. 46:6-12.
10. **J. A. Daniel**, J. Held, W. Epperson, and L. Hollar. 2004. Adding Value to Lamb by Evaluating and Reducing the Incidence of Lung Lesions. *Western Dakota Sheep & Beef Day* 45:68-70.
11. **J. A. Daniel**, J. Held, W. Epperson and L. Holler. 2003. Adding Value to Lamb by Evaluating and Reducing the Incidence of Lung Lesions. *Western Dakota Sheep Day* 44:69-70.
12. B. K. Whitlock, **J. A. Daniel**, D. F. Buxton, F. Buonomo, and J. L. Sartin. 2001. Melanin-concentrating hormone stimulates food intake in sheep. *Phi Zeta Research Emphasis Forum*, Auburn, Alabama. 7.
13. **J. A. Daniel**, J. A. Baker, D. G. Pugh, M. A. Shores, B. K. Whitlock, and J. L. Sartin. 2000. Better Herd Health: Implants decrease severity of disease response in cattle. *Alabama Agricultural Experiment Station Highlights of Agricultural Research* 47(3):8-10.
14. **J. A. Daniel** and K. C. Olsen. 1999. Feeding Poultry Litter to Beef Cattle. *University of Missouri Extension Guide*, G-2077.
15. **J. A. Daniel**, E. L. McFadin-Buff, and D. H. Keisler. 1999. Breeding Ewes Out-of-Season using MGA or Controlled Internal Drug Releasing Devices. *University of Missouri Animal Sciences Unit Departmental Report*.
16. C.D. Morrison, **J.A. Daniel**, P.R. Buff and D.H. Keisler. 1999. The Detrimental Effects of Undernutrition on Reproduction Are Mediated in Part by Neuropeptide Y. *University of Missouri Animal Sciences Unit Departmental Report*.
17. **J. A. Daniel**, S. W. Sterle, and D. H. Keisler. 1998. Breeding ewes out of season using MGA or one injection of progesterone. *University of Missouri Animal Sciences Unit Departmental Report*.
18. J. A. Carroll, **J. A. Daniel**, D. H. Keisler, and R. L. Matteri. 1998. Post-natal function of the somatotrophic axis in piglets born naturally or by caesarian-section. *University of Missouri Animal Sciences Unit Departmental Report*.
19. **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. *University of Missouri Animal Sciences Unit Departmental Report*.