

ABBREVIATED CURRICULUM VITAE

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SUMMARY

Professor and Extension Veterinarian with the Auburn University College of Agriculture and the Alabama Cooperative Extension System since 2006. Teach undergraduate, graduate, and veterinary students about a variety of topics involving food animal and forage production systems. Conduct research and provide livestock Extension/Outreach support to farmers, ranchers, and veterinarians focusing primarily on beef cattle production systems, with a lesser emphasis on dairy cattle, goats, sheep, horses, and swine.

I. EDUCATION

INSTITUTION	DATES ATTENDED	DEGREE AWARDED
Auburn Univ College of Veterinary Medicine	July 2003 – July 2006	Master of Science, Biomedical Sciences
American College of Theriogenologists	July 2003 – Aug 2005	Diplomate American College of Theriogenologists
Auburn Univ College of Veterinary Medicine	Aug 1998 – May 2002	Doctor of Veterinary Medicine (<i>cum laude</i>)
Auburn Univ College of Agriculture	Sept 1996 – June 1998	Bachelor of Science, Animal Sciences (<i>summa cum laude</i>)

II. PROFESSIONAL EMPLOYMENT

EMPLOYER	DATES	POSITION
Auburn University College of Agriculture Department of Animal Sciences	July 2006 – present	Professor of Animal Sciences
Alabama Cooperative Extension System	July 2006 – present	Extension Veterinarian
Auburn University College of Veterinary Medicine Department of Clinical Sciences	July 2003 – July 2006	Theriogenology Resident Large Animal Clinician
Heart of Florida Animal Hospital	June 2002 – July 2003	Associate Veterinarian

III. MILITARY SERVICE

ASSIGNED UNIT	DATES	POSITION
20 th Special Forces Group (Airborne) Alabama Army National Guard	Dec 2021 – present	Group Veterinarian
20 th Special Forces Group (Airborne) Alabama Army National Guard	Dec 2021 – Dec 2023	Animal Care Sergeant
20 th Special Forces Group (Airborne) Alabama Army National Guard	Nov 2012 – Dec 2021	Group Veterinarian
358 th Medical Detachment Veterinary Services United States Army Reserve	Apr 2008 – Nov 2012	Field Services Veterinarian

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SUMMARY

<u>TEACHING (25%)</u> COURSES TAUGHT ANSC 3000 Herd Health Management Spring 2018 – present ANSC 4010 Beef Production Fall 2024 – present <u>RESEARCH (20%)</u> PUBLICATIONS & PRESENTATIONS 3 Book Chapters 59 Articles in Refereed Journals 1 Letter to the Editor 86 Abstracts <u>ADMINISTRATION</u> Served as ACES Animal Science and Forages Team Coordinator from October 2018 to October 2022. Oversaw specialists, regional and county agents in creating a dynamic, responsive Extension program for Alabama related to animal sciences and forages.	<u>EXTENSION (50%)</u> PUBLICATIONS, PRESENTATIONS, & PRODUCTS 404 Regional Extension Programs and Presentations 50 Extension Program Chair or Co-Chair 17 Extension Program Planning Committee Member 5 Extension Handbooks and iBooks 54 Extension Technical Publications 36 Extension Timely Information Bulletins 13 Extension Newsletter Contributions 25 Extension Videos 2 Extension Budgets and Worksheets 5 Contributions to ACES Training Manuals 81 <i>Alabama Cattleman</i> Articles 24 Lay Publication Articles 3 Television Programs 3 Television Interviews 7 Radio Interviews 7 Magazine Interviews 2 Newspaper Interviews 3 Webinars 3 Podcasts <u>SERVICE (5%)</u> PROFESSIONAL ORGANIZATIONS Member of 11 Professional Working Groups
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A. RESEARCH/CREATIVE WORK

Summary of Research/Creative Work:

3 Book Chapters
59 Articles in Refereed Journals
1 Letter to the Editor
86 Abstracts (35 international, 25 national, 26 regional)

1. ARTICLE-LENGTH PUBLICATIONS

Book Chapters (3 total)

1. Wolfe DF and **Rodning SP**. Diagnosis and Management of Juvenile Anomalies of the Penis and Prepuce. In: Anderson DE and Rings DM, editors. *Current Veterinary Therapy 5: Food Animal Practice*. St. Louis, MO; W.B. Saunders Company, 2009; Chapter 73, p.340-342.
2. Wolfe DF and **Rodning SP**. Diagnosis and Management of Penile Deviations. In: Anderson DE and Rings DM, editors. *Current Veterinary Therapy 5: Food Animal Practice*. St. Louis, MO; W.B. Saunders Company, 2009; Chapter 74, p.342-345.
3. Wolfe DF and **Rodning SP**. Diagnosis and Management of Inguinal Hernias in Bulls. In: Anderson DE and Rings DM, editors. *Current Veterinary Therapy 5: Food Animal Practice*. St. Louis, MO; W.B. Saunders Company, 2009; Chapter 76, p.356-359.

Articles in Refereed Journals (59 total)

* Denotes contribution by a graduate student for whom I was a major professor or committee member.

1. *Corbitt K, Hiltbrand K, Coursen-Sullivan M, Johnson G, **Rodning SP**, Smith WB, Mulvaney D. Common Knowledge or Common Sense? Identifying Systematic Misconceptions of Animal Agriculture and Food Familiarity in Higher Education Individuals. *Sustainability* 2025, 17, 8923; <https://doi.org/10.3390/su17198923>.
2. *Douglas SL, Gilmore NE, Barrazueta-Cordero RJ, Contreras XM, Ball JJ, Mulvaney DR, **Rodning SP**, Sawyer JT. Packaging Alters Fresh Chicken Characteristics and Volatile Profiles During Refrigerated Storage. *Foods* 2025, 14(19), 3284; <https://doi.org/10.3390/foods14193284>.
3. *Locke S, Hiltbrand K, *Corbitt K, Richburg D, Johnson G, Shannon D, **Rodning SP**, Sawyer J, Mulvaney D. Measuring the Effectiveness of Both Cognitive and Emotional Forms of Instructional Videos Related to the Beef Industry. *Animals* 2025, 15(17), 2584; <https://doi.org/10.3390/ani15172584>.
4. Alfaro GF, Zhou Y, Cao W, Zhang Y, **Rodning SP**, Muntifering RB, Pacheco WJ, Moisés SJ, Wang X. Metagenomic analysis revealed significant changes in the beef cattle rectum microbiome under fescue toxicosis. *Biology* 2025; 14(9), 1197; <https://doi.org/10.3390/biology14091197>.

5. *Justice SM, Mullenix MK, Chamorro MF, *Tigue DA, Dillard SL, Smith WB, **Rodning SP**. Extended effects of post weaning management in southeastern beef calves. *Applied Animal Science* 2025; 41:363–376; <https://doi.org/10.15232/aas.2024-02589>.
6. *Bennett S, Martin D, Sawyer J, **Rodning SP**, Mulvaney D. Adoption of Podcasting as a Tool for Extension Educators. *The Journal of Extension* 2024; 62(3), Article 34; <https://open.clemson.edu/joe/vol62/iss3/34>.
7. *Corbitt KER, Hiltbrand KA, Coursen-Sullivan MM, **Rodning SP**, Smith WB, Mulvaney DR. Credibility Judgments in Higher Education: A Mixed-Methods Approach to Detecting Misinformation from University Instructors. *Education Sciences* 2024; 14(8): 852; DOI: 10.3390/educsci14080852.
8. Biase F, Moorey SE, Schnuelle JG, **Rodning SP**, Ortega MS, Spencer TE. Altered microRNA composition in the uterine lumen fluid in cattle (*Bos taurus*) pregnancies initiated by artificial insemination or transfer of an *in vitro* produced embryo. *Journal of Animal Science and Biotechnology* 2024; 15, Article 130; DOI: 10.1186/s40104-024-01083-8.
9. *Bennett S, Martin DS, Sawyer JT, **Rodning SP**, Mulvaney D. Measuring Agricultural Means of Influence on Young Adults via Instagram in the United States. *Journal of Applied Communications* 2024; 108(2); DOI: 10.4148/1051-0834.2521.
10. Alfaro GF, Palombo V, D'Andrea MS, Cao W, Zhang Y, Beever JE, Muntifering RB, Pacheco WJ, **Rodning SP**, Wang X, Moisés SJ. Hepatic transcript profiling in beef cattle: Effects of feeding endophyte-infected tall fescue seeds. *PLOS ONE* 2024; 19(7): e0306431; DOI: 10.1371/journal.pone.0306431.
11. Alfaro GF, **Rodning SP**, Moisés SJ. Fetal programming effect of rumen-protected methionine on primiparous Angus × Simmental offspring's performance and skeletal muscle gene expression. *Journal of Animal Science* 2024; 102; DOI: 10.1093/jas/skaf006.
12. Biase FH, Moorey SE, Schnuelle JG, **Rodning SP**, Ortega MS, Spencer TE. Extensive rewiring of the gene regulatory interactions between *in vitro*-produced conceptuses and endometrium during attachment. *PNAS Nexus* 2023; 2(9); DOI: 10.1093/pnasnexus/pgad284.
13. *Locke S, Hiltbrand K, *Corbitt K, Richburg D, Shannon D, **Rodning SP**, Sawyer JT, Mulvaney D. Instagram as a Tool of Diffusion for the Livestock Industry. *Journal of Applied Communications* 2023; 107(3); DOI: 10.4148/1051-0834.2460.
14. Alfaro GF, Palombo V, D'Andrea M, Cao W, Zhang Y, Beever J, Muntifering RB, Pacheco WJ, **Rodning SP**, Wang X, Moisés SJ. Hepatic transcript profiling in beef cattle: Effects of rumen-protected niacin supplementation. *PLOS ONE* 2023; 18(8): e0289409; DOI: 10.1371/journal.pone.0289409.
15. Banerjee P, Diniz WJS, **Rodning SP**, Dyce PW. miRNA expression profiles of peripheral white blood cells from beef heifers with varying reproductive potential. *Frontiers in Genetics* 2023; 14:1174145; DOI: 10.3389/fgene.2023.1174145.
16. Alfaro GF, Muntifering RB, Pacheco WJ, **Rodning SP**, Moisés SJ. Effects of endophyte-infected tall fescue on performance of genotyped pregnant beef cows supplemented with rumen-protected niacin. *Livestock Science* 2023; DOI: 10.1016/j.livsci.2023.105206.

17. Banerjee P, Diniz WJS, **Rodning SP**, Dyce PW. Transcriptomic dataset from peripheral white blood cells of beef heifers at weaning. *Data in Brief* 2023; DOI: 10.1016/j.dib.2023.109046.
18. Banerjee P, Diniz WJS, Hollingsworth R, **Rodning SP**, Dyce PW. mRNA Signatures in Peripheral White Blood Cells Predict Reproductive Potential in Beef Heifers at Weaning. *Genes* 2023; 14(2):498; DOI: 10.3390/genes14020498.
19. Jacobs JL, Mullenix MK, Koebernick JC, Dillard SL, *Justice SM, *Tigue DA, **Rodning SP**, Muntifering RB. Cotton gin byproduct: Effects on feed intake, quality, and safety for use in diets of gestating beef cows. *Applied Animal Science* 2022; 38(5):402-408; DOI: 10.15232/aas.2022-02288.
20. Diniz WJS, Banerjee P, **Rodning SP**, Dyce PW. Machine Learning-based Co-expression Network Analysis Unravels Fertility-related Genes in Beef Cows. *Animals* 2022; 12(19):2715; DOI: 10.3390/ani12192715.
21. Banerjee P, **Rodning SP**, Diniz WJS, Dyce PW. Co-Expression Network and Integrative Analysis of Metabolome and Transcriptome Uncovers Biological Pathways for Fertility in Beef Heifers. *Metabolites* 2022; 12(8), 708; DOI: 10.3390/metabo12080708
22. *Reyes TM, Wagoner MP, Zorn VE, Coursen MM, Wilborn BS, Bonner T, Brandebourg TD, **Rodning SP**, Sawyer JT. Vacuum Packaging Can Extend Fresh Color Characteristics of Beef Steaks during Simulated Display Conditions. *Foods* 2022; 11, 520; DOI: 10.3390/foods11040520.
23. *Reyes TM, *Smith HR, Wagoner MP, Wilborn BS, Bonner T, Brandebourg TD, **Rodning SP**, Sawyer JT. Surface Color Variations of Ground Beef Packaged Using Enhanced, Recycle Ready, or Standard Barrier Vacuum Films. *Foods* 2022; 11, 162; DOI: 10.3390/foods11020162.
24. *Smith HR, Wilborn BS, Parnell AG, Reyes TM, Wagoner MP, Yoder LE, Blythe E, Mulvaney DR, **Rodning SP**, Mullenix MK, Bonner T, Sawyer JT. Impact of Packaging Film and Beef Trimmings on Ground Beef Shelf Life. *Foods* 2021; 10(8): 1923; DOI: 10.3390/foods10081923.
25. Alfaro GF, Rodriguez-Zas S, Southey BR, Muntifering R, **Rodning SP**, Pacheco WJ, Moisés S. Complete blood count analysis on beef cattle exposed to fescue toxicity and rumen-protected niacin supplementation. *Animals* 2021; 11(4): 988; DOI: 10.3390/ani11040988.
26. Schnuelle JG, Blythe EK, Cole R, Taylor S, Alfaro GF, Muntifering RB, Pacheco WJ, **Rodning SP**, Moisa SJ. Evaluation of Alterations in Uterine Blood Flow using Doppler Ultrasonography in Pregnant, Genotyped Beef Cows and Heifers Consuming Endophyte-Infected Tall Fescue Seeds and Supplemented with Rumen-Protected Niacin. *Journal of Veterinary Science & Research* 2021: Volume 6, Issue 1; DOI: 10.23880/oajvsr-16000207.
27. Moorey SE, Walker BN, Elmore MF, Elmore JB, **Rodning SP**, Biase FH. Rewiring of gene expression in circulating white blood cells is associated with pregnancy outcome in heifers (*Bos taurus*). *Scientific Reports* 2020, Vol. 10, Article 16786; DOI: 10.1038/s41598-020-73694-w.
28. Alfaro GF, Novak TE, **Rodning SP**, Moisés SJ. Preconditioning beef cattle for long-duration transportation stress with rumen-protected methionine supplementation: A nutrigenetics study. *PLoS ONE* 2020; DOI: 10.1371/journal.pone.0235481.

29. Huang C, Chiba LI, Magee WE, Wang Y, **Rodning SP**, Bratcher CL, Bergen WG, Spangler EA. Effect of flaxseed oil, poultry fat, and vitamin E supplementation on physical and organoleptic characteristics and fatty acid profile of pork, and expression of genes associated with lipid metabolism. *Livestock Science* 2020: 231; DOI: 10.1016/j.livsci.2019.103849.
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31. Huang C, Chiba LI, Magee WE, Wang Y, Griffing DA, Torres IM, **Rodning SP**, Bratcher CL, Bergen WG, Spangler EA. Effect of flaxseed oil, animal fat, and vitamin E supplementation on growth performance, serum metabolites, and carcass characteristics of finisher pigs, and physical characteristics of pork. *Livestock Science* 2019; 220: 143-151.
32. Phillips KM, Read CC, Kriese-Anderson LA, **Rodning SP**, Brandebourg TD, Biase FH, Marks ML, Elmore JB, Stanford MK, Dyce PW. Plasma metabolomic profiles differ at the time of artificial insemination based on pregnancy outcome, in *Bos taurus* beef heifers. *Scientific Reports*, 2018 (8), Article # 13196; DOI: 10.1038/s41598-018-31605-0.
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35. Yehualaeshet T, Graham M, Samuel T, Rowe SE, **Rodning SP**, Habtemariam T. Comparison and Validation of IS900-Sequence and Putative Sequences as Specific Target to Detect *Mycobacterium avium* subsp. *paratuberculosis*. *Journal of Animal Science and Research* 2017; DOI: 10.16966/2576-6457.101.
36. Adhikari CK, Chiba L, Brotzge SD, Vieira MS, Huang C, Bergen WG, Bratcher CL, **Rodning SP**, Welles EG. Early dietary amino acid restrictions and flaxseed oil supplementation on the leanness of pigs and quality of pork: Growth performance, serum metabolites, carcass characteristics, and physical and sensory characteristics of pork. *Livestock Science* 2017; 198:182-190.
37. Edmondson MA, Joiner KS, Spencer JA, Riddell KP, **Rodning SP**, Gard JA, Givens MD. Impact of a killed *Tritrichomonas foetus* vaccine on clearance of the organism and subsequent fertility of heifers following experimental inoculation. *Theriogenology* 2017; 90;245–251.
38. Walz PH, Givens MD, **Rodning SP** (25%), Riddell KP, Brodersen BW, Scruggs DW, Short TH, Grotelueschen DM. Evaluation of reproductive protection against bovine viral diarrhea virus and bovine herpesvirus-1 afforded by annual revaccination with modified-live viral or combination modified-live/killed viral vaccines after primary vaccination with modified-live viral vaccine. *Vaccine* 2017;35(7):1046-1054.
39. Mullenix MK, Tucker JJ, Anderson LK, **Rodning SP**, Marks ML, *Tigue A. Beef Basics: An Online Short Course for Beef Cattle Farmers. *Journal of the NACAA* 2016:9(2).

40. Gard JA, Taylor DR, Maloney R, Schnuelle M, Duran S, Moore P, Justus W, Walz PH, Stockler R, **Rodning SP**, DeGraves F, van Santen E, Edmondson MA, O'Conner AM. Preliminary evaluation of hypochlorous acid spray for treatment of experimentally induced infectious bovine keratoconjunctivitis. *The Bovine Practitioner* 2016; 50(2):180-189.
41. Gard JA, Taylor DR, Wilhite DR, **Rodning SP**, Schnuelle ML, Sanders RK, Beyers RJ, Edmondson MA, DeGraves FJ, van Santen E. Effect of exercise and environmental terrain on development of the digital cushion and bony structures of the bovine foot. *American Journal of Veterinary Research* 2015;76(3):246-252.
42. Chamorro MF, Walz PH, Passler T, van Santen E, Gard JA, **Rodning SP**, Riddell KP, Galik P, Zhang Y. Efficacy of multivalent, modified live virus (MLV) vaccines administered to early weaned beef calves subsequently challenged with virulent bovine viral diarrhea virus type 2. *BMC Veterinary Research* 2015; 11:29.
43. *Strickland L, Edmondson M, Maxwell H, Newton J, Wright J, **Rodning S**, Carson R, Wolfe D. Surface architectural anatomy of the penile and preputial epithelium of bulls. *Clinical Theriogenology* 2014; 6:445-451.
44. Jiang T, Wicks JC, Welch TK, Owsley WF, **Rodning SP**, Cummins KA, Bratcher CL. Growth performance, carcass characteristics and pork quality of pigs fed plum juice concentrate as a feed additive. *Professional Animal Scientist* 2014; 30:252-259.
45. Brotzge SD, Chiba LI, Adhikari CK, Stein HH, **Rodning SP**, Welles EG. Complete replacement of soybean meal in pig diets with hydrolyzed feather meal with blood by amino acid supplementation based on standardized ileal amino acid digestibility. *Livestock Science* 2014; 163:85-93.
46. Gard J, Taylor D, Wilhite D, **Rodning SP**, Woodall C, Schnuelle MM, Sanders K, Denny T. A bovine model for equine digital cushion development. *Journal of Equine Veterinary Science* 2013; 33(10):881-882.
47. Walden HS, Dykstra CC, Dillon A, **Rodning SP**, Givens MD, Bird R, Newton J, Lindsay DS. A new species of *Tritrichomonas* (Sarcomastigophora:Trichomonida) from the domestic cat (*Felis catus*). *Parasitology Research* 2013; 112:2227-2235.
48. **Rodning SP**, Givens MD, Marley MSD, Zhang Y, Riddell KP, Galik PK, Hathcock TL, Gard JA, Prevatt JW, Owsley WF. Reproductive and economic impact following controlled introduction of cattle persistently infected with bovine viral diarrhea virus into a naïve group of heifers. *Theriogenology* 2012; 78:1508-1516.
49. Givens MD, Marley MSD, Jones CA, Ensley D, Galik PK, Zhang Y, Riddell KP, Joiner KS, Brodersen BW, **Rodning SP**. Protective effects against abortion and fetal infection following exposure to bovine viral diarrhea virus and bovine herpesvirus 1 during pregnancy in beef heifers that received two doses of a multivalent modified-live virus vaccine prior to breeding. *Journal of the American Veterinary Medical Association* 2012; 241(4):484-495.
50. Rodning KJ, Rodning CB, **Rodning SP**, Rodning CB. Keys to the Kingdom. *Journal of Abdominal Surgery*; Winter 2011/Spring 2012:5-9.
51. Bratcher CL, Wilborn BS, Finegan HM, **Rodning SP**, Galik PK, Riddell KP, Marley MS, Zhang Y, Bell LN, Givens MD. Inactivation at various temperatures of bovine viral diarrhea virus in beef derived from persistently infected cattle. *Journal of Animal Science* 2012;90:635-641.

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54. Toro H, van Ginkel FW, Tang DC, Schemera B, **Rodning SP**, Newton JC. Avian Influenza Vaccination in Chickens and Pigs with Replication-Competent Adenovirus-Free Human Recombinant Adenovirus 5. *Avian Diseases* 2010;54:224-231.
55. Kamalakar RB, Chiba LI, Divakala KC, **Rodning SP**, Welles EG, Bergen WG, Kerth CR, Kuhlers DL, Nadarajah N. Effect of the degree and duration of early dietary amino acid restrictions on subsequent and overall pig performance and physical and sensory characteristics of pork. *Journal of Animal Science* 2009;87:3596-3606.
56. Divakala KC, Chiba LI, Kamalakar RB, **Rodning SP**, Welles EG, Cummins KA, Swann J, Cespedes F, Payne RL. Amino acid supplementation of hydrolyzed feather meal diets for finisher pigs. *Journal of Animal Science* 2009;87:1270-1281.
57. Whitlock BK, Daniel JA, Wilborn RR, **Rodning SP**, Maxwell HS, Steele BP, Sartin JL. Interaction of estrogen and progesterone on kisspeptin-10-stimulated luteinizing hormone and growth hormone in ovariectomized cows. *Neuroendocrinology* 2008;88:212-215.
58. **Rodning SP**, Wolfe DF, Carson RL, Wright JC, Stockdale HD, Pacoli ME, Busby HC, Rowe SE. Prevalence of *Tritrichomonas foetus* in several subpopulations of Alabama beef bulls. *Theriogenology* 2008;69:212-217.
59. Stockdale HD, **Rodning SP**, Givens MD, Carpenter D, Lenz S, Spencer JA, Dykstra CC, Lindsay DS, Blagburn BL. Experimental infection of cattle with a feline isolate of *Tritrichomonas foetus*. *Journal of Parasitology* 2007;93(6):1429-1434.

Letter to the Editor

1. **Rodning SP**, Walz PH, Hauck R, Macklin KS, Norton RA. The role of the veterinary profession in the COVID-19 pandemic. Letter to the Editor, *Journal of the American Veterinary Medical Association* 2020;256(12):1318-9.
<https://avmajournals.avma.org/doi/pdf/10.2460/javma.256.12.1317>

Abstracts (86 total; 35 international, 25 national, 26 regional)

- * Denotes contribution by a graduate student for whom I was a major professor or committee member.

International

1. Brown TC, Banerjee P, **Rodning SP**, Dyce PW, Diniz WJS. Exploring differential gene expression and pathways associated with pregnancy outcomes in beef heifers. *Journal of*

Animal Science, Vol. 102, Issue Suppl. 3, September 2024, Pages 500–501, <https://doi.org/10.1093/jas/skae234.566>.

2. *Kertz KC, Banerjee P, **Rodning SP**, Dyce PW, Diniz WJS. A transcriptomic analysis of uterine endometrium from beef heifers of divergent fertility status. *Journal of Animal Science*, Vol. 102, Issue Suppl. 3, September 2024, Pages 537–538, <https://doi.org/10.1093/jas/skae234.603>.
3. *Bennett SP, Martin D, Sawyer JT, **Rodning SP**, Don R Mulvaney DR. Challenges for agricultural social media influencers engagement with young, non-ag adults. *Journal of Animal Science*, Vol. 102, Suppl. 1, March 2024, Page 3, <https://doi.org/10.1093/jas/skae019.004>.
4. Mulvaney DR, Dyce PW, Mullenix MK, Dillard SL, Diniz WJS, Brandebourg TD, Muntifering RB, Bergen WG, **Rodning SP**, Hamberlin L, Smith BB. Transformative Animal Science Fellows Program for a Sustainable, Efficient, Profitable Beef Production Future. *Journal of Animal Science*, Vol. 101, Suppl. 3, November 2023, Page 322, <https://doi.org/10.1093/jas/skad281.383>.
5. *Corbitt KE, Hiltbrand KA, Coursen M, Rodning SP, Smith BB, Mulvaney DR. Common Knowledge Or Common sense? Identifying Systematic Misconceptions of Animal Agriculture and Food Familiarity in Higher Education Individuals. *Journal of Animal Science*, Vol. 101, Suppl. 3, November 2023, Pages 321–322, <https://doi.org/10.1093/jas/skad281.382>.
6. *Corbitt K, *Locke S, Hiltbrand KA, Shannon D, **Rodning SP**, Sawyer JT, Mulvaney DR, Richburg D. Measuring the Effectiveness of Both Cognitive and Emotional Forms of Instructional Videos Related to the Beef Industry. *Journal of Animal Science*, Vol. 101, Suppl. 3, November 2023, Pages 151–152, <https://doi.org/10.1093/jas/skad281.186>.
7. *Corbitt KE, *Bennett SP, Martin D, Sawyer JT, **Rodning SP**, Don R Mulvaney DR. Podcasting as an Extension Tool: Limitations and Opportunities. *Journal of Animal Science*, Vol. 101, Suppl. 3, November 2023, Pages 147–148, <https://doi.org/10.1093/jas/skad281.181>.
8. *Justice SM, Mullenix MK, Dillard SL, **Rodning SP**, Chamorro M, Tigue A, Smith BB, Zessin P, Boone ML, Henson M, West MH, Agar MA. Awardee Talk: Extended Effects of Sequential Weaning and Backgrounding Management in Southeastern U.S. Beef Calves on Performance, Health, and Immunological Responses Through the Feedyard. *Journal of Animal Science*, Vol. 101, Suppl. 3, November 2023, Pages 79–80, <https://doi.org/10.1093/jas/skad281.096>.
9. *Justice SM, Mullenix MK, Tigue DA, Zessin P, Dillard SL, **Rodning SP**, Chamorro M. Assessment of Weaning Management on Growth Performance and Health in Southeastern Beef Calves. *Journal of Animal Science*, Vol. 101, Suppl. 1, May 2023, Pages 75–76, <https://doi.org/10.1093/jas/skad068.089>.
10. *Justice SM, Mullenix MK, Tigue DA, Zessin P, Dillard SL, **Rodning SP**, Chamorro M. Assessment of Backgrounding Management on Growth Performance and Health in Southeastern Beef Calves. *Journal of Animal Science*, Vol. 101, Suppl. 1, May 2023, Pages 91–92, <https://doi.org/10.1093/jas/skad068.108>.
11. Dyce PW, Banerjee P, Diniz WJS, **Rodning SP**. Prediction of Beef Heifer Reproductive Potential Using Molecular Markers. *Journal of Animal Science*, Vol. 101, Suppl. 1, May 2023, Pages 44–45, <https://doi.org/10.1093/jas/skad068.051>.

12. Banerjee P, **Rodning SP**, Diniz WJS, Dyce PW. Identifying gene and metabolite signature patterns by mining co-expression networks for fertility in beef heifers. *Journal of Animal Science*, Vol. 100, Suppl. 3, October 2022, Page 326. <https://doi.org/10.1093/jas/skac247.595>
13. Diniz WJS, Banerjee P, **Rodning SP**, Dyce PW. Machine learning-based co-expression network analysis unravels fertility-related genes in beef cattle. *Journal of Animal Science*, Vol. 100, Suppl. 3, October 2022, Pages 314–315. <https://doi.org/10.1093/jas/skac247.573>
14. Zessin P, Jacobs J, Justice MM, Mullenix MK, Dillard SL, **Rodning SP**, *Tigue DA. Cotton Gin Trash Processing, Quality and Safety Impacts on Feeding Recommendations for Beef Cattle. *Journal of Animal Science*, Vol. 100, Suppl. 1, April 2022, Page 49. <https://doi.org/10.1093/jas/skac028.090>.
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National

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2. Glover BS, Elmore MF, Dickinson SE, Elmore JB, Gladney JB, Hudson RG, Marks ML, Palmer KR, Thompson GL, Miller DS, Stanford MK, Kriese-Anderson LA, **Rodning SP**. Hands-on Alabama Beef Quality Assurance Training. 2018 National Association of County Agricultural Agents 103rd Annual Meeting and Professional Improvement Conference, Chattanooga, Tennessee; July 29-August 2, 2018.
3. Elmore JB, Elmore MF, Dickinson SE, Gamble BE, Pegues MD, Yeager JJ, Hudson RG, Gard JA, **Rodning SP**. Hands-on Estrus Synchronization Demonstrations in Alabama. 2018 National Association of County Agricultural Agents 103rd Annual Meeting and Professional Improvement Conference, Chattanooga, Tennessee; July 29-August 2, 2018.
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5. Dickinson SE, *Griffin BA, Elmore JE, Dyce PW, **Rodning SP**, Biase FH. Differential Gene Expression in Peripheral White Blood Cells at the Time of Artificial Insemination Discriminates Pregnant from Non-Pregnant Beef Heifers. 2017. 50th Annual Meeting of the Society for the Study of Reproduction, Washington, DC, p331.
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12. Brotzge SD, Chiba LI, Adhikari CK, Stein HH, **Rodning SP**, Welles EG. Complete replacement of soybean meal in pig diets with hydrolyzed feather meal with blood by amino acid supplementation based on standardized ileal digestibility. 2013 Joint American Dairy Science Association-American Society of Animal Science Annual Meeting, Indianapolis, Indiana; Jul 8-12, 2013; Abstract TH323; *Journal of Animal Science* Vol. 91, E-Supplement 2/*Journal of Dairy Science* Vol. 96, E-Supplement 1:585.
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18. **Rodning SP**, Givens MD, Marley MSD, Hathcock TL, Owsley WF, Prevatt JW. Reproductive impact following controlled introduction of bovine viral diarrhea virus. 43rd Annual Conference of the American Association of Bovine Practitioners, Albuquerque, New Mexico; Aug 19-21, 2010. The AABP Proceedings Vol 43, page 248.
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Regional

1. Alfaro GF, Muntifering RB, **Rodning SP**, Gard J, Cole R, Pacheco W, Moisés S. Nutrigenomics approach to dampen the negative effects of endophyte-infected tall fescue on pregnant beef cows performance. Auburn University Graduate Student Research Poster Showcase. October 23, 2019.
2. *Tigue DA, Wilkerson S, Rehm J, McNamee C, **Rodning SP**, Mullenix MK, Bratcher CL. Effect of different backgrounding diets on performance of beef calves during transportation and in the feedyard. Proceedings of the 73rd Southern Pastures and Forage Crop Improvement Conference. May 21-23, 2019. Roanoke, VA.
3. *Tigue DA, Wilkerson SR, Rehm JG, Holland CM, Broadway PR, Carroll JA, Burdick-Sanchez N, Theurer M, **Rodning SP**, Starkey JD, Mullenix MK, Bratcher CL. Effect of different backgrounding diets for weaning beef calves on complete blood counts pre and post shipping. American Society of Animal Science Southern Section Annual Meeting; Oklahoma City, OK; January 26 - 29, 2019. *Journal of Animal Science*, Vol. 97, Suppl. S1, page 42.
4. *Tigue DA, Rehm JG, Wilkerson SR, Holland CM, Broadway PR, Carroll JA, Burdick-Sanchez N, Theurer M, **Rodning SP**, Starkey JD, Mullenix MK, Bratcher CL. Effect of shipping stress on complete blood counts of backgrounded beef steers. American Society of Animal Science Southern Section Annual Meeting; Oklahoma City, OK; January 26 - 29, 2019. *Journal of Animal Science*, Vol. 97, Suppl. S1, pages 46-47.
5. Gard JA, Houston K, Riddell KP, Galik P, **Rodning SP**, Edmondson MA, Wolfe DF, Walz PH. In Vitro Fertilization: Improving Genetics for Alabama Cattle Producers. Alabama Farmers Federation's 45th Commodity Producers Conference, Birmingham, Alabama; August 5, 2017.
6. *Griffin BA, Dickinson SE, Elmore JB, Elmore MF, Dyce PW, **Rodning SP**, Biase FH. Phenotypic Parameters Associated with Infertility in Beef Heifers. 2017 Auburn University College of Agriculture Graduate Poster Showcase.
7. Bennett KM, Mullenix MK, Tucker JJ, Kriese-Anderson LA, **Rodning SP**, *HTigue A, Marks L. Assessment of an Online Management Course for Southeastern Beef Producers. American Society of Animal Science Southern Section Annual Meeting, Franklin, Tennessee; Feb 4-7, 2017. *Journal of Animal Science*, Vol 95, Suppl. 1, page 8.
8. Thompson G, Jury L, Mullenix K, Gladney J, **Rodning SP**, Glover B, Robinson L. A hands-on ranch management workshop for cattle producers in the Tennessee Valley region of Alabama. 2015 Southern Section American Society of Animal Science Annual Meeting, Atlanta, Georgia; Jan 31 – Feb 3, 2015.
9. Chamorro MF, Walz PH, Passler T, **Rodning SP**, Gard JA, Galik P, Riddell KP. Assessment of vaccine efficacy in early weaned beef calves challenged with bovine viral diarrhea virus (BVDV). Auburn University Phi Zeta Research Emphasis Day; Oct 30, 2013.
10. Gard JA, **Rodning SP**, Duran S, Taylor D, Hathcock TL, Sanders A, Schnuelle M, Fields B, Edmondson MA, DeGraves F, Bratcher CL. Comparison of the ability of a novel umbilical dip, Super7+™ Navel Dip, versus that of 7% tincture of iodine to desiccate the umbilical remnant in neonatal Holstein dairy calves. Auburn University Phi Zeta Research Emphasis Day; Oct 30, 2013.

11. Gard JA, **Rodning SP**, Duran S, Hathcock TL, Taylor D, Fields B. Evaluation of Vetericyn® Teat Spray as an Alternative to commonly used Iodine Teat Dips. Auburn University Phi Zeta Research Emphasis Day; Oct 30, 2013.
12. Gard JA, Wilhite DR, Taylor D, **Rodning SP**, Woodall M, Edmondson MA, Sanders K, Denney T. The ability of exercise and the environment to impact the development of the digital cushion of the bovine foot. Auburn University Phi Zeta Research Emphasis Day; Oct 30, 2013.
13. Gard JA, Wilhite DR, Taylor D, **Rodning SP**, Woodall M, Edmondson M, Sanders K, Denney T. The ability of exercise and the environment to impact the development of the digital cushion of the bovine foot. 22nd Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 1-3, 2013; page 35.
14. Gard JA, **Rodning SP**, Duran S, Hathcock TL, Taylor D, Fields B. Reduction of Bacterial Contamination on the Teat Ends of Dairy Cattle following Application of Vetericyn® Teat Spray. 22nd Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 1-3, 2013; page 38.
15. Gard JA, **Rodning SP**, Duran S, Hathcock TL, Taylor D, Fields B, Branham A. Evaluation of the ability of Vetericyn® teat spray to decrease bacterial contamination on teat ends of dairy cattle prior to milking. Auburn University Phi Zeta Research Day; Nov 7, 2012.
16. Bratcher CL, Wilborn BS, Finegan HM, **Rodning SP**, Galik PK, Riddell KP, Marley MS, Zhang Y, Bell LN, Givens MD. Effects of temperature on bovine viral diarrhea virus survival in meat derived from persistently infected cattle. 21st Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 24-26, 2012; page 73.
17. **Rodning SP**, Givens MD, Marley MSD, Hathcock TL, Owsley WF, Prevatt JW. Impact of bovine viral diarrhea virus on reproductive performance following introduction of persistently infected animals. 21st Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 24-26, 2012; page 74.
18. **Rodning SP**, Rowe SE, Smith L, Gard JA, Mullins B, Hoerr FJ, Frazier TG. Anaplasmosis in a subpopulation of Alabama cattle. 21st Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 24-26, 2012; page 77.
19. *Denney GL, Rankins DL, Gard JA, **Rodning SP**. Evaluation of Component TE-G with Tylan in Stocker Calves. 21st Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 24-26, 2012; page 78.
20. Gard JA, Wilhite DR, Taylor DC, **Rodning SP**, Edmondson MA, Sanders K, Denney T. The ability of the environment to impact development of the boney structures of the bovine foot. 21st Annual Alabama Conference for Food Animal Veterinarians, Alabama 4-H Center, Columbiana, Alabama; Feb 24-26, 2012; page 79.
21. Wicks JC, Welch TK, Owsley WF, **Rodning SP**, Singh M, Hayden MD, Finegan HM, Cummins KA, Kriese-Anderson LA, Bratcher CL. Growth and carcass characteristics of pigs fed plum juice concentrate as a feed additive. 2012 Southern Section American Society of Animal Science Annual Meeting, Birmingham, Alabama; Feb 4-7, 2012.
22. Givens MD, Marley MSD, Jones CA, Ensley D, Galik PK, Zhang Y, Riddell KP, Joiner KS, Brodersen BW, **Rodning SP**. Evaluation of a modified-live vaccine to protect developing

fetuses from stringent natural challenges with bovine viral diarrhea virus and bovine herpesvirus 1. Auburn University Phi Zeta Research Emphasis Day; Nov 9, 2011.

23. Bratcher CL, **Rodning SP**, Galik PK, Riddell KP, Marley MS, Zhang Y, Bell LN, Givens MD. Stability of bovine viral diarrhea virus in beef from persistently infected cattle. Auburn University Phi Zeta Research Emphasis Day; Nov 10, 2010.
24. Hittle MS, Grubbs JK, **Rodning SP**, Rutherford WC, Free SV, Schroeder AL, McClary DG, Kriese-Anderson LA. Effects of Ractopamine HCL on growth and carcass traits fed to yearling heifers with different days on feed. 2009 Southern Section American Society of Animal Science Annual Meeting, Atlanta, Georgia; Jan 31-Feb 3, 2009; Abstract 38.
25. Grubbs JK, Kiesler DH, Sartin JL, **Rodning SP**, Hittle MH, Rutherford WC, Free SV, Schroeder AL, McClary DG, Mulvaney DR, Kriese-Anderson LA. Effect of ractopamine and days on feed on plasma leptin concentrations in crossbred yearling heifers. 2009 Southern Section American Society of Animal Science Annual Meeting, Atlanta, Georgia; Jan 31-Feb 3, 2009; Abstract 39.
26. Stockdale HD, **Rodning SP**, Givens MD, Spencer JA, Dykstra CC, Lindsay DS, Blagburn BL. Experimentally induced trichomoniasis in heifers using a feline isolate of *Tritrichomonas foetus*. Southeastern Society of Parasitologists Annual Conference, Georgetown, South Carolina; Apr 11-13, 2007; Abstract 4.

2. Other Research/Creative Contributions

- a. Co-developer of Trich CONSULT – <https://ksubci.org/trich-consult/>

Trich CONSULT (Collaborative, Online, Novel, Science-based, User-friendly, Learning, Tool) was designed to aid cattle producers and veterinarians in creating trichomoniasis control, prevention and eradication strategies that are specific to individual herds.

This project was funded by the Kansas State University Veterinary Diagnostic Laboratory, the Coleman Foundation for Food Animal Production Medicine at Kansas State University and by USDA grant 2014-09684. Trich CONSULT was produced by Kristin Clothier, DVM, PhD (UC-Davis), John M. Davidson, DVM (Boehringer Ingelheim Vetmedica, Inc.), Dale Grotelueschen, DVM, MS (University of Nebraska-GPVEC), Eugene Janzen, DVM, MVS (University of Calgary), Bob Larson, DVM, PhD (Kansas State University), Sherri Merrill, DVM (Allen, Kansas), Jeff Ondrak DVM, MS (University of Nebraska-GPVEC), Owen Rae, DVM, MPVM (University of Florida), **Soren Rodning**, DVM, MS (Auburn University), Mike Sanderson, DVM, MS (Kansas State University), Brad White, DVM, MS (Kansas State University) and Kathy Whitman, DVM (University of Nebraska-GPVEC).

- b. M.S. Thesis. **Rodning SP**. 2006. Prevalence of trichomoniasis in Alabama beef bulls. Auburn University, Auburn, Alabama.

B. EXTENSION/OUTREACH ACTIVITIES AND PRODUCTS

Summary of Extension/Outreach Activities and Products:

404 Regional Extension Programs and Presentations
 50 Extension Program Chair or Co-Chair
 17 Extension Program Planning Committee Member
 5 Extension Handbooks and iBooks
 54 Extension Technical Publications
 36 Extension Timely Information Bulletins
 13 Extension Newsletter Contributions
 25 Extension Videos
 2 Extension Budgets and Worksheets
 5 Contributions to ACES Training Manuals
 81 Alabama Cattleman Articles
 24 Lay Publication Articles
 3 Television Programs
 3 Television Interviews
 7 Radio Interviews
 7 Magazine Interviews
 2 Newspaper Interviews
 3 Webinars
 3 Podcasts

Regional Extension Events and Presentations (404 total)

#	Presenter	Title	Venue	Date
1	Rodning SP	Reproduction	Beef Systems Short Course; Central Alabama Farmers Cooperative; Selma, AL	Sept 30, 2025
2	Rodning SP	Herd Health	Beef Systems Short Course; Central Alabama Farmers Cooperative; Selma, AL	Sept 30, 2025
3	Rodning SP	Estrus Synchronization	Bovine Artificial Insemination School; EV Smith Beef Unit Research Center; Shorter, AL	Sept 24, 2025
4	Rodning SP	Reproductive Anatomy and Physiology	Bovine Artificial Insemination School; EV Smith Beef Unit Research Center; Shorter, AL	Sept 23, 2025
5	Rodning SP	Vaccination Protocols, Cattle Pre-conditioning, and Strategic Deworming	Blount County Regional Cattlemen's Meeting; Blount County Multi-purpose Center; Cleveland, AL	Jun 12, 2025
6	Rodning SP	Chute-side Vaccinations and Deworming Strategies	Cattle and Forages Field Day; EV Smith Research Center; Shorter, AL	May 2, 2025
7	Rodning SP	Changes in Vaccinations and Strategic Deworming	Cattle and Forages Field Day; EV Smith Research Center; Shorter, AL	May 2, 2025
8	Rodning SP	Application of FerApease in Alabama Cattle Production Systems	Animal Science and Forage Extension Team Meeting; Stanley P. Wilson Beef Teaching Center; Auburn, AL	May 1, 2025
9	Rodning SP	Herd Health	South Alabama Junior Cattlemen's Spring Field Day; Parnell Farms; Stanton, AL	Apr 9, 2025

#	Presenter	Title	Venue	Date
10	Rodning SP	Herd Health	North Alabama Junior Cattlemen's Spring Field Day; Blount County Multi-Purpose Center; Cleveland, AL	Apr 2, 2025
11	Rodning SP	Career Prep	Auburn University Sigma Alpha; Auburn, AL	Mar 26, 2025
12	Rodning SP Ali Gotcher	Beef Quality Assurance Training and Certification	82 nd Annual Alabama Cattlemen's Association Convention & Trade Show; Birmingham, AL	Feb 21, 2025
13	Rodning SP	Calving Management Workshop	Bullock County Extension Office; Union Springs, AL	Jan 28, 2025
14	Rodning SP	Calving Management Workshop	NRCS Educational Center; Monroeville, AL	Oct 8, 2024
15	Rodning SP	Herd Health	Alabama Beef Cattle Conference; Stanley P. Wilson Beef Teaching Center; Auburn, AL	Oct 4, 2024
16	Rodning SP	Beef Quality Assurance Train-the-Trainer	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Sept 6, 2024
17	Rodning SP	Food and Agricultural Security	Auburn University Research and Innovation Center; Auburn, AL	Aug 28, 2024
18	Rodning SP	Safe Food Processing and Preparation in a Field Environment	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Jul 23, 2024
19	Rodning SP	Butchering in a Field Environment	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Jul 22, 2024
20	Rodning SP	Beef Quality Assurance Training and Certification	Harmon Family Farms; Wedowee, AL	Jun 21, 2024
21	Rodning SP	Secure Beef Supply Plans	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Aug 9, 2023
22	Rodning SP	Advanced Husbandry Techniques	African Lion Joint Military Exercise; Participated virtually as an invited subject matter expert	Jun 8, 2023
23	Rodning SP	YCLP Beef Quality Assurance Training and Certification	Stanley P. Wilson Beef Teaching Center; Auburn, AL	May 12, 2023
24	Rodning SP	Bovine Artificial Insemination School	Stanley P. Wilson Beef Teaching Center; Sponsored by Premier Select Sires	May 9-10, 2023
25	Rodning SP	Calving Management Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Apr 12, 2023
26	Rodning SP	Safe Food Processing and Preparation in a Field Environment	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Mar 27-29, 2023
27	Rodning SP	Calving Management Workshop	Geneva County Extension Office; Hartford, AL	Mar 21, 2023
28	Rodning SP	Calving Management Workshop	Pike County Cattlemen's Park; Troy, AL	Mar 14, 2023

#	Presenter	Title	Venue	Date
29	Rodning SP	Beef Quality Assurance Training and Certification	Black Belt Research and Extension Center; Marion Junction, AL	Feb 20, 2023
30	Rodning SP	Spring Cattle Management	Tallapoosa County Cattlemen's Association; Dadeville, AL	Feb 10, 2023
31	Rodning SP	Calving Management Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Feb 2, 2023
32	Rodning SP	Bull Breeding Soundness Examinations	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Jan 24, 2023
33	Rodning SP	Beef Quality Assurance Awareness	The Cedars; Demopolis, AL	Jan 18, 2023
34	Rodning SP	Improving Herd Health and Fertility in the Cow Herd	Northeast Etowah Community Center; Gadsden, AL	Nov 3, 2022
35	Rodning SP	Reproductive Tract Scoring for Heifers	Lake Majestik; Flat Rock, AL	Oct 27, 2022
36	Rodning SP	Beef Quality Assurance	Stanley P. Wilson Beef Teaching Center; European Union Delegation Tour	Oct 20, 2022
37	Rodning SP	Bovine Artificial Insemination School	Stanley P. Wilson Beef Teaching Center; Sponsored by Premier Select Sires	Oct 11-12, 2022
38	Rodning SP	Parasite Control Strategies for Cattle Herds	Montgomery County Beef Group; Montgomery County Extension Office	Oct 7, 2022
39	Rodning SP	Cattle Vaccinology	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Sept 13, 2022
40	Rodning SP	Calving Management Workshop	Tom Harbin Ag Center; Luverne, AL	Sept 1, 2022
41	Rodning SP	Beef Quality Assurance Training and Certification	Stockmanship & Stewardship Event; Auburn, AL; Sponsored by the National Cattlemen's Beef Association	Aug 13, 2022
42	Rodning SP	Bovine Artificial Insemination School	Stanley P. Wilson Beef Teaching Center; Sponsored by Premier Select Sires	May 10-11, 2022
43	Rodning SP	Spring Cow Management	Alabama Cattlemen's Association Spring Board of Directors Meeting; Montgomery, AL	May 5, 2022
44	Rodning SP	Calving Management Workshop	Coffee County Extension Office; New Brockton, AL	Mar 1, 2022
45	Rodning SP	Calving Management Workshop	Texasville Community House; Clayton, AL	Feb 24, 2022
46	Rodning SP	Calving Management Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Feb 17, 2022
47	Rodning SP	All the things you can do as a veterinarian	Florida Virtual School 4th Annual Career Day; Virtual	Feb 9, 2022
48	Rodning SP	Herd Health	Master Cattle Producers; Troy, AL	Feb 1, 2022

#	Presenter	Title	Venue	Date
49	Rodning SP	Beef Quality Assurance Training and Certification	Master Cattle Producers; Troy, AL	Jan 25, 2022
50	Rodning SP	Bovine Artificial Insemination School	Auburn University College of Veterinary Medicine; Sponsored by Premier Select Sires	Oct 13-14, 2021
51	Rodning SP	Calving Management Workshop	Horseshoe Bend High School; New Site, AL	Oct 8, 2021
52	Rodning SP	Calving Management Workshop	Tallapoosa County Cattlemen's Association; New Site, AL	Aug 26, 2021
53	Rodning SP	Bovine Artificial Insemination School	Auburn University College of Veterinary Medicine; Sponsored by Premier Select Sires	Aug 18-19, 2021
54	Rodning SP	Calving Management Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Jul 30, 2021
55	Rodning SP	Winston County Beef Quality Assurance Training and Certification	Little Farms; Haleyville, AL	Jul 27, 2021
56	Rodning SP	Multi-Purpose Canine (MPC) Restraint and Physical Exam	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Jun 11, 2021
57	Rodning SP	Safe Food Processing and Preparation in a Field Environment	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Jun 7, 2021
58	Rodning SP	Health Challenges in Beef Production Systems	Collegiate Cattlemen and Cattlewomen's Association Meeting; Upchurch Hall; Auburn, AL	Feb 16, 2021
59	Rodning SP	Beef Quality Assurance Training and Certification	129 th Tuskegee University Annual Farmers Conference; Virtual	Feb 16, 2021
60	Rodning SP	Calving Management Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Feb 3, 2021
61	Rodning SP	Beef Quality Assurance Training and Certification	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Nov 5, 2020
62	Rodning SP	Beef Quality Assurance Training and Certification	Upper Coastal Plains Agricultural Research Center; Winfield, AL	Mar 5, 2020
63	Rodning SP	Basic Nutrition and Body Condition Scoring (Cattle and Horses)	ALEA Rural Crime Investigation – Alabama Department of Agriculture & Industries Workshop; Montgomery, AL	Feb 12, 2020
64	Rodning SP	Basic Nutrition and Body Condition Scoring (Cattle and Horses)	ALEA Rural Crime Investigation – Alabama Department of Agriculture & Industries Workshop; Montgomery, AL	Feb 3, 2020
65	Rodning SP	Calving Management and Artificial Insemination Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Jan 16, 2020
66	Rodning SP	Beef Quality Assurance Training and Certification	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Jan 15, 2020
67	Rodning SP	Calving Management Workshop	North Alabama Agriplex; Cullman, AL	Nov 19, 2019 6:00 PM
68	Rodning SP	Calving Management Workshop	North Alabama Agriplex; Cullman, AL	Nov 19, 2019 2:00 PM

#	Presenter	Title	Venue	Date
69	Rodning SP	Calving Management Workshop	Limestone County Career Technical Center; Athens, AL	Nov 19, 2019
70	Rodning SP	Calving Management Workshop	Alabama A&M Agribition Center; Huntsville, AL	Nov 18, 2019
71	Rodning SP	Beef Cattle Vaccinations	Alabama A&M Agribition Center; Huntsville, AL	Nov 18, 2019
72	Rodning SP	Dystocia Management Workshop	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Nov 4, 2019
73	Rodning SP	Herdbuilder Replacement Female Sale	Alabama Livestock Auction; Uniontown, AL	Aug 29-30, 2019
74	Rodning SP	Calving Simulator and Dystocia Management Workshop	Grazing Workshop; Snowdown, Alabama	Sept 12, 2019
75	Rodning SP	Bovine Artificial Insemination School	Auburn University College of Veterinary Medicine	Aug 27-28, 2019
76	Rodning SP	Kentucky Cattlemen's Association Beef Cattle Tour	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Aug 2, 2019
77	Rodning SP	Dog Health and Veterinary Care	4-H Dog Club Meeting; Russell County Extension Office; Phenix City, AL	Jun 20, 2019
78	Rodning SP	Proper Use of Animal Health Products	Southeast Alabama Feeder Cattle Marketing Association (SAFE) Meeting; Wiregrass Research and Extension Center; Headland, AL	May 14, 2019
79	Rodning SP	Preconditioning Feeder Calves	Southeast Alabama Feeder Cattle Marketing Association (SAFE) Meeting; Wiregrass Research and Extension Center; Headland, AL	May 14, 2019
80	Rodning SP	Beef Quality Assurance Training	Tennessee Valley Livestock Auction; Florence, AL	May 7, 2019
81	Rodning SP	Bovine Artificial Insemination School	Auburn University College of Veterinary Medicine	Apr 17-18, 2019
82	Rodning SP	Beef Quality Assurance Training	Northwest Alabama Livestock Auction; Russellville, AL	April 9, 2019
83	Rodning SP	Military Working Dog (MWD) Restraint and Physical Exam	Non-Trauma Training Module for Special Operations Medics; Auburn, AL	Apr 4, 2019
84	Rodning SP	Sheep and Goat Medicine	Non-Trauma Training Module for Special Operations Medics; Auburn, AL	Apr 3, 2019
85	Rodning SP	Cattle Medicine	Non-Trauma Training Module for Special Operations Medics; Auburn, AL	Apr 3, 2019
86	Rodning SP	Veterinary biologicals and pharmaceuticals	Non-Trauma Training Module for Special Operations Medics; Auburn, AL	Apr 3, 2019
87	Rodning SP	Preconditioning Feeder Cattle	Tuskegee Farmers Conference; Montgomery Stockyard	Feb 22, 2019

#	Presenter	Title	Venue	Date
88	Rodning SP	Beef Quality Assurance Training	Tuskegee Farmers Conference; Montgomery Stockyard	Feb 22, 2019
89	Rodning SP	Cattle Transportation BQA	Master Cattle Producers Training Program; Geneva County Extension Office; Hartford, AL	Jan 29, 2019
90	Rodning SP	Cattle Vaccinations	Master Cattle Producers Training Program; Geneva County Extension Office; Hartford, AL	Jan 29, 2019
91	Rodning SP	Seven Beef Cattle Quality Checks	Master Cattle Producers Training Program; Geneva County Extension Office; Hartford, AL	Jan 29, 2019
92	Rodning SP	Beef Quality Assurance Training	Auburn University Beef Teaching Center	Jan 16, 2019
93	Rodning SP	Calving Management	Master Cattle Producers Training Program; Geneva County Extension Office; Hartford, AL	Jan 15, 2019
94	Rodning SP	Cattle Vaccinations	Master Cattle Producers Training Program; Geneva County Extension Office; Hartford, AL	Jan 15, 2019
95	Rodning SP	Herd Health	Master Cattle Producers Training Program; Geneva County Extension Office; Hartford, AL	Jan 15, 2019
96	Rodning SP	Beef Quality Assurance Training	Auburn University Beef Teaching Center	Nov 29, 2018
97	Rodning SP	Improving the reproductive efficiency of heifers using a combination of estrus synchronization, natural service, and fixed-time artificial insemination	Alabama Cattlemen's Association Board Meeting; Montgomery, AL	Nov 15, 2018
98	Rodning SP	Eradication of Bovine Viral Diarrhea Virus Using Novel Antiviral Drugs	Alabama Cattlemen's Association Board Meeting; Montgomery, AL	Nov 15, 2018
99	Rodning SP	Beef Quality Assurance Training	Cripple Creek Farms; Berry, AL	Nov 10, 2018
100	Rodning SP	Beef Quality Assurance Training	Alabama Cattlemen's Association Young Cattlemen's Leadership Program; Gulf Coast Research and Extension Center; Fairhope, AL	Sept 28, 2018
101	Rodning SP	Livestock Diseases	Videoconference for youth preparing for a 4H Livestock Quiz Bowl	Sept 4, 2018
102	Rodning SP	Reproduction Management of Beef Cattle	Auburn University College of Veterinary Medicine Student Chapter of the American Association of Bovine Practitioners; Auburn, AL	Aug 23, 2018
103	Rodning SP	Beef Quality Assurance Training	Frisco City Stockyard; Frisco City, AL	July 19, 2018
104	Rodning SP	Pregnancy Diagnostics in Cattle	Pregnancy Diagnosis Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	May 24, 2018
105	Rodning SP	Evaluating the reproductive potential of bulls	Bull Calf Evaluation Workshop; Southern Cattle Company; Dothan, AL	May 18, 2018

#	Presenter	Title	Venue	Date
106	Rodning SP	Evaluating the reproductive potential of bulls	Bull Calf Evaluation Workshop; Auburn University Beef Teaching Center; Auburn, AL	May 11, 2018
107	Rodning SP	Beef Quality Assurance Training	Houston County Extension Office; Dothan, AL	Apr 24, 2018
108	Rodning SP	Managing a Calving Season	Alabama Junior Cattlemen's Association Field Day; Langley Farms; Camp Hill, AL	Apr 21, 2018
109	Rodning SP	Sheep and Goat Medicine	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Apr 12, 2018
110	Rodning SP	Cattle Medicine	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Apr 12, 2018
111	Rodning SP	Veterinary biologicals and pharmaceuticals	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Apr 10, 2018
112	Rodning SP	Military Working Dog (MWD) Restraint and Physical Exam	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Apr 10, 2018
113	Rodning SP	Pork Quality Assurance Training	Auburn University Meat Science Laboratory; Auburn, AL	Apr 6, 2018
114	Rodning SP	Military Veterinary Medicine	Pre-Veterinary Medical Association Annual Symposium; Auburn, AL	Mar 24, 2018
115	Rodning SP	Calving Management	Pre-Veterinary Medical Association Annual Symposium; Auburn, AL	Mar 24, 2018
116	Rodning SP	Beef Quality Assurance Training	Pre-Veterinary Medical Association Annual Symposium; Auburn, AL	Mar 24, 2018
117	Rodning SP	Herd Health Management	Auburn University Beef Teaching Center	Mar 19, 2018
118	Rodning SP	Infectious Disease Control	Alabama Cattlemen's Association Annual Convention and Trade Show; Huntsville, AL	Mar 9, 2018
119	Rodning SP	Calving Management Workshop	Alabama Cattlemen's Association Annual Convention and Trade Show; Huntsville, AL	Mar 9-10, 2018
120	Rodning SP	Beef Quality Assurance Training	Auburn University Beef Teaching Center; Huntsville, AL	Mar 7, 2018
121	Rodning SP	Infectious Diseases of Concern for Equine Owners	Videoconference with horse owners from Alabama and South Carolina	Mar 6, 2018
122	Rodning SP	Zoonotic Diseases	Auburn University Block and Bridle Club	Mar 1, 2018
123	Rodning SP	Poisonous Plants and Parasites	Grass Masters; Brent, AL	Feb 28, 2018
124	Rodning SP	Pork Quality Assurance Training	Aliceville, AL	Feb 28, 2018
125	Rodning SP	Swine Health	Tuscaloosa County Extension Office; Tuscaloosa, AL	Jan 23, 2018

#	Presenter	Title	Venue	Date
126	Rodning SP	Beef Quality Assurance Training	Auburn University Beef Teaching Center	Jan 17, 2018
127	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Wiregrass Research and Extension Center; Headland, AL	Dec 14, 2017
128	Rodning SP	Calving Management	Auburn University Department of Animal Sciences BEEF U; Stanley P. Wilson Beef Teaching Center; Auburn, AL	Dec 9, 2017
129	Rodning SP	Beef Quality Assurance	Auburn University Department of Animal Sciences BEEF U; Stanley P. Wilson Beef Teaching Center; Auburn, AL	Dec 9, 2017
130	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Gulf Coast Research and Extension Center; Fairhope, AL	Dec 8, 2017
131	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Black Belt Research and Extension Center; Marion Junction, AL	Dec 7, 2017
132	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2017
133	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2017
134	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2017
135	Rodning SP	Reproductive Management	Alabama Cattlemen's Association Young Cattlemen's Leadership Program; Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2017
136	Rodning SP	Dealing with Calving Season Emergencies	North Alabama Agriplex; Cullman, AL	Nov 6, 2017
137	Rodning SP	A Practical Approach to Infectious Diseases of Concern to Horse Owners in the TN Valley Region	Tennessee Valley Research and Extension Center; Belle Mina, AL	Oct 17, 2017
138	Rodning SP	Veterinary Hot Topics	Montgomery County Beef Group; Montgomery County Extension Office; Montgomery, AL	Sept 1, 2017
139	Rodning SP	Beef Quality Assurance Training	Auburn University College of Veterinary Medicine; Auburn, AL	Aug 25, 2017
140	Rodning SP	Pork Quality Assurance Training	Alabama Pork Quality Assurance Distance Education Program via Zoom	Jun 23, 2017
141	Rodning SP	Culling Strategies for Beef Cattle	Mid-State Stockyards Customer Appreciation Program; Letohatchee, AL	May 23, 2017
142	Rodning SP	Beef Quality Assurance Training	Stanley P. Wilson Beef Teaching Center; Auburn, AL	May 5, 2017
143	Rodning SP	Beef Quality Assurance Training	Tennessee Valley Research and Extension Center; Belle Mina, AL	Apr 24, 2017
144	Rodning SP	Beef Quality Assurance Training	E.V. Smith Beef Unit; Shorter, AL	Apr 21, 2017

#	Presenter	Title	Venue	Date
145	Rodning SP	Pork Quality Assurance Training	Auburn University; Auburn, AL	Apr 19, 2017
146	Rodning SP	Beef Quality Assurance Training	Wiregrass Research and Extension Center; Headland, AL	Apr 14, 2017
147	Rodning SP	Beef Quality Assurance Training	Gulf Coast Research and Extension Center; Fairhope, AL	Apr 13, 2017
148	Rodning SP	Beef Quality Assurance Training	Black Belt Research and Extension Center; Marion Junction, AL	Apr 6, 2017
149	Rodning SP	Beef Quality Assurance Training	Sand Mountain Research and Extension Center; Crossville, AL	Apr 3, 2017
150	Ostrowski S Newcomer B Rodning SP Duran S Zohdy S	Antimicrobial Resistance Panel	SCAVMA, Students for One Health, and AABP; Auburn University College of Veterinary Medicine; Auburn, AL	Mar 27, 2017
151	Rodning SP	Beef Quality Assurance Training	Auburn University; Auburn, AL	Mar 22, 2017
152	Rodning SP	Using Chlortetracycline Under the New FDA VFD Guidelines	Spring Cow/Calf Short-course; Black Belt Regional Research and Extension Center; Marion Junction, Alabama	Mar 3, 2017
153	Rodning SP	Preconditioning Programs for Feeder Calves	ALFA Building; Jacksonville, AL	Feb 23, 2017
154	Rodning SP	Beef Cattle Pregnancy Diagnosis Workshop	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Feb 17, 2017
155	Rodning SP	Beef Cattle Pregnancy Diagnosis Workshop	Beef Cattle Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Feb 14, 2017
156	Rodning SP	Beef Cattle Pregnancy Diagnosis Workshop	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Feb 10, 2017
157	Rodning SP	Cattle Handling	2017 Wiregrass Master Cattle Producers Training Program; Dale County Extension Office; Ozark, AL	Feb 2, 2017
158	Rodning SP	Quality Assurance	2017 Wiregrass Master Cattle Producers Training Program; Dale County Extension Office; Ozark, AL	Feb 2, 2017
159	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Jan 20, 2017
160	Rodning SP	Health Programs	2017 Wiregrass Master Cattle Producers Training Program; Dale County Extension Office; Ozark, AL	Jan 19, 2017
161	Rodning SP	Breeding Physicals	2017 Wiregrass Master Cattle Producers Training Program; Dale County Extension Office; Ozark, AL	Jan 19, 2017
162	Rodning SP	Birthing Management	2017 Wiregrass Master Cattle Producers Training Program; Dale County Extension Office; Ozark, AL	Jan 19, 2017
163	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Beef Cattle Reproductive Management Series; E.V. Smith Beef Unit; Shorter, AL	Jan 19, 2017

#	Presenter	Title	Venue	Date
164	Rodning SP	Beef Quality Assurance	Auburn University; Auburn, AL	Jan 18, 2017
165	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Beef Cattle Reproductive Management Series; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2017
166	Rodning SP	Pre-breeding Herd Health	Beef Cattle Reproductive Management Series; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2017
167	Rodning SP	Estrus Synchronization Tools	Beef Cattle Reproductive Management Series; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2017
168	Rodning SP	Bovine Estrous Cycle	Beef Cattle Reproductive Management Series; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2017
169	Rodning SP	Estrus Synchronization and Artificial Insemination	Beef Cattle Reproductive Management Series; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2017
170	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Dec 14, 2016
171	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 8, 2016
172	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Beef Cattle Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Dec 7, 2016
173	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2016
174	Rodning SP	Pre-breeding Herd Health	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2016
175	Rodning SP	Estrus Synchronization Tools	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2016
176	Rodning SP	Bovine Estrous Cycle	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2016
177	Rodning SP	Estrus Synchronization and Artificial Insemination	Beef Cattle Reproductive Management Series; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2016
178	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2016
179	Rodning SP	Pre-breeding Herd Health	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2016
180	Rodning SP	Estrus Synchronization Tools	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2016
181	Rodning SP	Bovine Estrous Cycle	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2016
182	Rodning SP	Estrus Synchronization and Artificial Insemination	Beef Cattle Reproductive Management Series; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2016

#	Presenter	Title	Venue	Date
183	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Beef Cattle Black Belt Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2016
184	Rodning SP	Pre-breeding Herd Health	Beef Cattle Black Belt Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2016
185	Rodning SP	Estrus Synchronization Tools	Beef Cattle Black Belt Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2016
186	Rodning SP	Bovine Estrous Cycle	Beef Cattle Black Belt Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2016
187	Rodning SP	Estrus Synchronization and Artificial Insemination	Beef Cattle Black Belt Reproductive Management Series; Black Belt Research and Extension Center; Marion Junction, AL	Nov 28, 2016
188	Rodning SP	Beef Quality Assurance	Auburn University Beef Teaching Unit; Auburn, AL	Nov 17, 2016
189	Rodning SP	Equine First Aid	Alabama A&M University Agribition Center; Huntsville, AL	Nov 15, 2016
190	Rodning SP	Pork Quality Assurance	Auburn University Swine Research and Education Center; Auburn, AL	Oct 28, 2016
191	Rodning SP	Youth Pork Quality Assurance	Wiregrass Research and Extension Center; Headland, AL	Oct 12, 2016
192	Rodning SP	Beef Quality Assurance	Alabama Fish Farm Center; Greensboro, AL	Oct 6, 2016
193	Rodning SP	Beef Quality Assurance	Marengo County Extension Office; Linden, AL	Oct 6, 2016
194	Rodning SP	Beef Quality Assurance	Central Alabama Farmers Cooperative; Selma, AL	Sept 29, 2016
195	Rodning SP	Veterinary Feed Directive	Tuskegee University's American Association of Bovine Practitioners Student Chapter Meeting; Tuskegee, AL	Sept 28, 2016
196	Rodning SP	Beef Quality Assurance	Tuskegee University's American Association of Bovine Practitioners Student Chapter Meeting; Tuskegee, AL	Sept 21, 2016
197	Rodning SP	Beef Quality Assurance	Alabama Cattleman's Association Board Meeting; Auburn University Beef Teaching Unit; Auburn, AL	Aug 11, 2016
198	Rodning SP	Beef Quality Assurance	Stanley P. Wilson Beef Teaching Center; Auburn, AL	Apr 21, 2016
199	Rodning SP	Judicious use of Antibiotics	Cleburne County Cattlemen's Association Meeting; Pine Grove Baptist Church; Heflin, AL	Apr 19, 2016
200	Rodning SP	Calf Dehorning Hands-on Demonstration	Practical Ranch Management Workshop; University of West Alabama ALFA Environmental Center; Livingston, AL	Apr 12, 2016

#	Presenter	Title	Venue	Date
201	Rodning SP	Calf Castration Hands-on Demonstration	Practical Ranch Management Workshop; University of West Alabama ALFA Environmental Center; Livingston, AL	Apr 12, 2016
202	Rodning SP	Judicious Use of Antibiotics and Preparing for the new FDA Veterinary Feed Directive Guidance	Mid State Stockyard Customer Appreciation Day; Mid State Stockyard; Letohatchee, AL	Apr 5, 2016
203	Rodning SP	Herd Health Management and BQA Basics	Master Cattleman 101; Fayette County Extension Office; Fayette, AL	Mar 22, 2016
204	Rodning SP	Veterinary Feed Directive	Spring Cow/Calf Shortcourse; Greensboro Recreational Center; Greensboro, AL	Mar 11, 2016
205	Rodning SP	Preparing for the new FDA Veterinary Feed Directive Guidance	Baldwin County Cattlemen's Association Annual Banquet; Baldwin County Fairground; Robertsedale, AL	Feb 11, 2016
206	Rodning SP	Veterinary Feed Directive	Lee County Cattlemen's Association Annual Banquet; Lazenby Farms; Opelika, AL	Jan 28, 2016
207	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Research Center; Shorter, AL	Jan 19, 2016
208	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Research Center; Shorter, AL	Jan 19, 2016
209	Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Research Center; Shorter, AL	Jan 19, 2016
210	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Research Center; Shorter, AL	Jan 19, 2016
211	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Research Center; Shorter, AL	Jan 19, 2016
212	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Black Belt Research and Extension Center; Marion Junction, AL	Dec 11, 2015
213	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Gulf Coast Research and Extension Center; Fairhope, AL	Dec 10, 2015
214	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Dec 7, 2015
215	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Dec 7, 2015
216	Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Dec 7, 2015
217	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Dec 7, 2015

#	Presenter	Title	Venue	Date
218	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Dec 7, 2015
219	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 2, 2015
220	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 2, 2015
221	Rodning SP Elmore JB	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 2, 2015
222	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 2, 2015
223	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 2, 2015
224	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 1, 2015
225	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 1, 2015
226	Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 1, 2015
227	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 1, 2015
228	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 1, 2015
229	Walz PH Huston C Rodning SP	Served as moderator for the Health/Immunity Discussion Panel	Deep South Stocker Conference; Auburn University Montgomery; Montgomery, AL	Aug 7, 2015
230	Rodning SP	Beef cattle health basics	Beef 101; Auburn University Beef Teaching Unit; Auburn, AL	Jun 8, 2015
231	Rodning SP	Bovine Artificial Insemination	Lauderdale County Extension Office and the Florence Livestock Auction; Florence, AL	Jun 1-2, 2015
232	Rodning SP	Calf Castration Hands-on Demonstration	Practical Ranch Management Workshop; Tennessee Valley Research and Extension Center; Madison, AL	Apr 18, 2015

#	Presenter	Title	Venue	Date
233	Rodning SP	Calf Castration Hands-on Demonstration	Farm and Ranch Management 101 Workshop; E.V. Smith Research Center; Shorter, AL	Apr 18, 2015
234	Rodning SP	Calf Castration Hands-on Demonstration	Farm and Ranch Management 101 Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Apr 17, 2015
235	Rodning SP	Trichomoniasis	Spring Cow/Calf Short Course; Marengo County Extension Office; Linden, AL	Mar 26, 2015
236	Rodning SP	Leukosis	Spring Cow/Calf Short Course; Marengo County Extension Office; Linden, AL	Mar 26, 2015
237	Rodning SP	Anaplasmosis	Spring Cow/Calf Short Course; Marengo County Extension Office; Linden, AL	Mar 26, 2015
238	Rodning SP	Judicious Use of Animal Health Products	2015 Cow-calf Producers Meeting; Mid State Stockyard; Letohatchee, AL	Mar 17, 2015
239	Rodning SP Elmore JB	Estrus Synch and Fixed Time AI	Wiregrass Research and Extension Center Beef-Forage Field Day; Headland, AL	Mar 6, 2015
240	Rodning SP	Judicious Use of Antibiotics	Montgomery County Beef Group; Farmers Market Café; Montgomery, AL	Feb 6, 2015
241	Rodning SP	Veterinary Field Medicine	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Jan 27, 2015
242	Rodning SP	Zoonotic Diseases	Non-Trauma Training Module for Special Operations Medics; Anniston, AL	Jan 27, 2015
243	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	E.V. Smith Beef Unit; Shorter, AL	Jan 29, 2015
244	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Wiregrass Research and Extension Center; Headland, AL	Jan 23, 2015
245	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Beef Unit; Shorter, AL	Jan 20, 2015
246	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Beef Unit; Shorter, AL	Jan 20, 2015
247	Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Beef Unit; Shorter, AL	Jan 20, 2015

#	Presenter	Title	Venue	Date
248	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Beef Unit; Shorter, AL	Jan 20, 2015
249	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; E.V. Smith Beef Unit; Shorter, AL	Jan 20, 2015
250	Rodning SP	Beef Health Programs	Master Cattle Producer Training; Clio Town Hall; Clio, AL	Jan 20, 2015
251	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Jan 13, 2015
252	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Jan 13, 2015
253	Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Jan 13, 2015
254	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Jan 13, 2015
255	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Wiregrass Research and Extension Center; Headland, AL	Jan 13, 2015
256	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Gulf Coast Research and Extension Center; Fairhope, AL	Dec 11, 2014
257	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Black Belt Research and Extension Center; Marion Junction, AL	Dec 10, 2014
258	Rodning SP	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 2, 2014
259	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 2, 2014
260	Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 2, 2014
261	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 2, 2014
262	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Gulf Coast Research and Extension Center; Fairhope, AL	Dec 2, 2014

#	Presenter	Title	Venue	Date
263	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 1, 2014
264	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 1, 2014
265	Rodning SP Elmore JB	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 1, 2014
266	Rodning SP	Bovine Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 1, 2014
267	Rodning SP	Estrus Synchronization and Artificial Insemination	Estrus Synchronization and Fixed Time Artificial Insemination Workshop; Black Belt Research and Extension Center; Marion Junction, AL	Dec 1, 2014
268	Rodning SP	The new FDA antibiotic policies	Shelby County Extension Office; Columbiana, AL	Nov 6, 2014
269	Rodning SP	Beef Cattle Reproductive Diseases	Shelby County Extension Office; Columbiana, AL	Nov 6, 2014
270	Rodning SP	Establishing and maintaining effective veterinary relationships	Dee River Ranch; Aliceville, AL	Oct 21, 2014
271	Rodning SP	How the new FDA antibiotic guidance will effect Alabama cattle producers	Dee River Ranch; Aliceville, AL	Oct 21, 2014
272	Rodning SP	How the new FDA antimicrobial policy will effect beef production in Alabama	Central Alabama Beef & Forage Update; E.V. Smith Research Center; Shorter, AL	Sept 19, 2014
273	Rodning SP	Cow Obstetrical Wet Lab	Ranch Management Workshop; Moulton, AL	Apr 26, 2014
274	Rodning SP	Implanting Hands-on Demonstration	Ranch Management Workshop; Moulton, AL	Apr 26, 2014
275	Rodning SP	Dehorning Hands-on Demonstration	Ranch Management Workshop; Moulton, AL	Apr 26, 2014
276	Rodning SP	Injection Hands-on Demonstration	Ranch Management Workshop; Moulton, AL	Apr 26, 2014
277	Rodning SP	Calf Castration Hands-on Demonstration	Ranch Management Workshop; Moulton, AL	Apr 26, 2014

#	Presenter	Title	Venue	Date
278	Rodning SP	Things I didn't know before vet school	AU Pre-vet Club Meeting	Apr 24, 2014
279	Rodning SP Mullenix K	Veterinary Feed Directive	Alabama Dairy Field Day; E.V. Smith Center Headquarters; Shorter, AL	Apr 17, 2014
280	Rodning SP	Beef Cattle Production	Elmore Correctional Facility; SPARKs in Science and Math with the Alabama Prison Arts + Education Project; Elmore, AL	Apr 10, 2014
281	Rodning SP	Trichomoniasis	Spring Cow/Calf Short Course; Central Alabama Farmers Cooperative; Selma, AL	Mar 20, 2014
282	Rodning SP	Leukosis	Spring Cow/Calf Short Course; Central Alabama Farmers Cooperative; Selma, AL	Mar 20, 2014
283	Rodning SP	Anaplasmosis	Spring Cow/Calf Short Course; Central Alabama Farmers Cooperative; Selma, AL	Mar 20, 2014
284	Rodning SP	Calving Season Management and Neonatal Calf Health	Marshall County Extension Office; Guntersville, AL	Nov 21, 2013
285	Rodning SP	Efficacy and Safety of Growth Promoting Implants in Cattle	Non-Trauma Training Module for Special Operations Medics; Starke, FL	Nov 16, 2013
286	Rodning SP	Sheep and Goat Medicine	Non-Trauma Training Module for Special Operations Medics; Starke, FL	Nov 16, 2013
287	Rodning SP	Cattle Medicine	Non-Trauma Training Module for Special Operations Medics; Starke, FL	Nov 16, 2013
288	Rodning SP	Veterinary biologicals and pharmaceuticals	Non-Trauma Training Module for Special Operations Medics; Starke, FL	Nov 15, 2013
289	Rodning SP	Military Working Dog (MWD) Restraint and Physical Exam	Non-Trauma Training Module for Special Operations Medics; Starke, FL	Nov 15, 2013
290	Rodning SP	Calving Season Management and Neonatal Calf Health	Morgan County Extension Office; Hartselle, AL	Nov 12, 2013
291	Rodning SP	Brood Cow Management to Optimize Reproductive Efficiency	Marshall County Extension Office; Guntersville, AL	Nov 6, 2013
292	Rodning SP	Brood Cow Management to Optimize Reproductive Efficiency	Sand Mountain Research and Extension Center; Crossville, AL	Nov 5, 2013

#	Presenter	Title	Venue	Date
293	Rodning SP	Calving Season Management and Neonatal Calf Health	Shelby County Extension Office; Columbiana, AL	Oct 29, 2013
294	Rodning SP	Brood Cow Management to Optimize Reproductive Efficiency	Shelby County Extension Office; Columbiana, AL	Oct 8, 2013
295	Rodning SP	Preparing for the Calving Season	Marshall County Cattlemen's Association Annual Meeting; Civitan Park; Guntersville, AL	Sept 5, 2013
296	Rodning SP	Moderator for Panel Discussion with Drs. Gatz Riddell, Eric Moore, and Brent Woodward – Innovations in Animal Science Technologies and Impacts on the Producer Bottom line	Auburn University Department of Animal Sciences Beef Cattle Conference; Overton Auditorium; Auburn, AL	Aug 16, 2013
297	Rodning SP	Herd Health Vaccinations for Seedstock Operations	Alabama Beef Cattle Improvement Association Seedstock Continuing Education Program Field Day; Auburn University Stanley Wilson Beef Teaching Center	July 20, 2013
298	Rodning SP	Brood Cow Management to Maximize Reproductive Efficiency	Alabama Beef Cattle Improvement Association Seedstock Continuing Education Program Field Day; Auburn University Stanley Wilson Beef Teaching Center	July 20, 2013
299	Rodning SP	Field Slaughter of Chickens	Non-Trauma Training Module for Special Operations Medics; Lewisburg, KY	May 5, 2013
300	Rodning SP	Field Slaughter of Goats	Non-Trauma Training Module for Special Operations Medics; Lewisburg, KY	May 3, 2013
301	Rodning SP	Herd Health and Preventive Medicine of Livestock	Non-Trauma Training Module for Special Operations Medics; Lewisburg, KY	May 3, 2013
302	Rodning SP	Euthanasia of Livestock	Non-Trauma Training Module for Special Operations Medics; Lewisburg, KY	May 3, 2013
303	Rodning SP	Military Working Dog (MWD) Restraint and Physical Exam	Non-Trauma Training Module for Special Operations Medics; Lewisburg, KY	May 2, 2013
304	Rodning SP	Pack Animal Husbandry	Non-Trauma Training Module for Special Operations Medics; Lewisburg, KY	May 2, 2013
305	Rodning SP	Beef Cattle Reproductive Management	Wiregrass Research and Extension Center; Headland, AL	Apr 23, 2013
306	Rodning SP	Estrus Synchronization and Fixed Time Artificial Insemination	Wiregrass Research and Extension Center; Headland, AL	Apr 23, 2013

#	Presenter	Title	Venue	Date
307	Rodning SP	Herd Health	2013 Wiregrass Master Cattle Producers Training Program; Covington County Extension Office; Andalusia, AL	Feb 19, 2013
308	Rodning SP	Reproductive Management	2013 Wiregrass Master Cattle Producers Training Program; Covington County Extension Office; Andalusia, AL	Feb 19, 2013
309	Rodning SP	Culling Criteria	2013 Wiregrass Master Cattle Producers Training Program; Covington County Extension Office; Andalusia, AL	Feb 19, 2013
310	Rodning SP Elmore JB	Fixed Time Artificial Insemination Demonstration	Wiregrass Research and Extension Center; Headland, AL	Jan 25, 2013
311	Rodning SP Elmore JB	Estrus Synchronization Demonstration	Wiregrass Research and Extension Center; Headland, AL	Jan 15, 2013
312	Rodning SP	Infectious Diseases of Concern to Cattle Producers in Alabama	North Alabama Bull Evaluation Center; Cullman, AL	Nov 16, 2012
313	Rodning SP	Dealing with Calving Season Emergencies	Morgan County Ag Center; Hartselle, AL	Nov 15, 2012
314	Rodning SP	Using Growth Implants Safely and Effectively	Morgan County Ag Center; Hartselle, AL	Nov 15, 2012
315	Rodning SP	2012 Veterans Day	Veterans Day Celebration; Ogletree Elementary School; Auburn, AL	Nov 9, 2012
316	Rodning SP	Poisonous Plants, Parasites, and Protozoa	Grass Masters; Central Alabama Farmers Cooperative; Selma, AL	Nov 6, 2012
317	Rodning SP	Poisonous Plants, Parasites, and Protozoa	Grass Masters; Pickens County Extension Office; Carrollton, AL	Oct 18, 2012
318	Rodning SP	Cow Herd 101 – Eliminating Carcass Faults	Clay County Stockyard; Lineville, AL	Oct 10, 2012
319	Rodning SP	Cow-calf Herd Health	Brad Moore's Southern Grill; Valley Grande, AL	Oct 2, 2012
320	Rodning SP Elmore J	Tagging, implanting, and other cool management techniques	Auburn University Cow-calf Conference; Auburn, AL	June 15, 2012
321	Rodning SP	Protecting Your Herd from Trichomoniasis	Macon County Cattlemen's Association 2012 Summer Meeting	June 9, 2012

#	Presenter	Title	Venue	Date
322	Rodning SP	Reproductive Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Demonstration Results; Gulf Coast Research and Extension Center; Fairhope, AL	May 24, 2012
323	Rodning SP	Artificial Insemination and the Gulf Coast REC Herd	Estrus Synchronization and Fixed Time Artificial Insemination Demonstration Results; Gulf Coast Research and Extension Center; Fairhope, AL	May 24, 2012
324	Elmore JB Rodning SP	Estrus Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Demonstration Results; Gulf Coast Research and Extension Center; Fairhope, AL	May 24, 2012
325	Rodning SP	Protecting Your Herd from Venereal Diseases	Montgomery County Beef Group; Farmers Market Café; Montgomery, AL	May 4, 2012
326	Owsley WF Rodning SP	Cow Herd 101 – a practical approach to Beef Quality Assurance	Cullman Stockyard; Cullman, AL	Apr 16, 2012
327	Rodning SP	Military Veterinary Medicine	Auburn University Pre-Veterinary Club; Auburn, AL	Apr 4, 2012
328	Rodning SP	Poisonous Plants, Parasites, and Protozoa	Grass Masters; Hale County Extension Office; Greensboro, AL	Mar 13, 2012
329	Rodning SP	Trichomoniasis in Alabama Cattle	Animal Science and Forages Team Discussion Forum Videoconference broadcast from Auburn to 4 sites throughout Alabama	Feb 15, 2012
330	Rodning SP Elmore JB	Artificial Insemination and Your Herd	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2012
331	Rodning SP Elmore JB	Estrous Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2012
332	Rodning SP	Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2012
333	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2012
334	Rodning SP Elmore JB	Artificial Insemination and Your Herd	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2011
335	Elmore J Rodning SP	Estrous Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2011
336	Rodning SP	Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2011

#	Presenter	Title	Venue	Date
337	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2011
338	Elmore J Rodning SP	Artificial Insemination and Your Herd	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 28, 2011
339	Elmore J Rodning SP	Estrous Synchronization Tools	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 28, 2011
340	Rodning SP	Estrous Cycle	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 28, 2011
341	Rodning SP	Pre-breeding Herd Health	Estrus Synchronization and Fixed Time Artificial Insemination Field Day; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 28, 2011
342	Rodning SP	How to safely administer animal health products to livestock	Agricultural Field Day for US Military Civil Assistance and Stability Operations; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 5, 2011
343	Rodning SP	Basic livestock handling	Agricultural Field Day for US Military Civil Assistance and Stability Operations; Gulf Coast Research and Extension Center; Fairhope, AL	Nov 5, 2011
344	Rodning SP	Infectious Diseases of Concern to Cattle Producers in the Tennessee Valley	Lawrence County Agricultural Center; Moulton, AL	Oct 19, 2011
345	Rodning SP	Infectious Diseases of Concern to Cattle Producers in the Tennessee Valley	Tennessee Valley Research and Extension Center; Belle Mina, AL	Oct 17, 2011
346	Rodning SP	Poisonous Plants, Parasites, and Protozoa	Grass Masters; Letohatchee Stockyard; Letohatchee, AL	Nov 10, 2011
347	Rodning SP	Alabama Beef Quality Assurance Cull Cow Management to Maximize Profitability	Frisco City Stockyard; Frisco City, AL	Nov 3, 2011
348	Rodning SP	Poisonous Plants, Parasites, and Protozoa	Grass Masters; Demopolis Educational Center; Demopolis, AL	Oct 11, 2011
349	Rodning SP	Alabama Beef Quality Assurance Cull Cow Management to Maximize Profitability	Moulton Stockyard; Moulton, AL	Oct 4, 2011
350	Rodning SP	Alabama Beef Quality Assurance Cull Cow Management to Maximize Profitability	Uniontown Stockyard; Uniontown, AL	Sept 29, 2011
351	Rodning SP	Alabama Beef Quality Assurance Cull Cow Management to Maximize Profitability	Montgomery Stockyard; Montgomery, AL	Sept 27, 2011
352	Rodning SP	Equine health team problem event	Alabama 4-H Horse Show Hippology Competition; Teague Arena, Montgomery, AL	July 11, 2011

#	Presenter	Title	Venue	Date
353	Rodning SP	Animal agriculture 101: Dairy	Animal Agriculture 101: Sponsored by the Alabama Coalition for Farm Animal Care and Well Being; Pike County Cattlemen's Park; Troy, AL	June 23, 2011
354	Rodning SP	Evaluating Animal Health	Auburn University Beef Cattle Evaluation Center; Auburn, AL	June 13, 2011
355	Rodning SP	Breeding management: the cow	Macon County Cattlemen's Association 2011 Beef Field Day; Notasulga, AL	June 11, 2011
356	Rodning SP	What is it like being a veterinarian in the U.S. Army?	Guest Speaker; Medulla Elementary; Lakeland, FL	May 2, 2011
357	Rodning SP	Stocker cattle health	Animal Science and Forages Team Discussion Forum Videoconference broadcast from Auburn to 5 sites throughout Alabama	Mar 3, 2010
358	Rodning SP	Update on cow-calf health programs	2010 Coffee County Beef Field Day; Enterprise, AL	Jan 29, 2010
359	Rodning SP	Stocker cattle health	2010 Coffee County Beef Field Day; Enterprise, AL	Jan 29, 2010
360	Rodning SP	Bull Health	Montgomery County Monthly Breakfast at the Farmer's Market Café; Montgomery, AL	Dec 4, 2009
361	Rodning SP	Herd Health Management	Beef Plus Cattle Producer Training Program; Jacksonville, AL	Nov 5, 2009
362	Rodning SP	Alabama Veterinary Medical Association Exhibit Booth	Helped organize and operate an exhibit booth at the Alabama National Fair to educate visitors about different aspects of veterinary medicine; Montgomery, AL	Oct 9-18, 2009
363	Rodning SP	Local Information to Maintain Excellent Herd Health	Pike County Beef Cattle Tour	Aug 24, 2009
364	Rodning SP	Equine health team problem event	Alabama 4-H Horse Show Hippology Competition; Teague Arena, Montgomery, AL	July 13, 2009
365	Rodning SP	Auburn University College of Veterinary Medicine Large Animal Clinic Tour	Led a tour of the Auburn University College of Veterinary Medicine Large Animal Clinic for the Alabama Farmers Federation Beef, Equine, and Hay & Forage Crops Committees	Apr 9, 2009
366	Rodning SP	Herd Health Management	Tallapoosa County Cattlemen's Association Meeting; Daviston, AL	Feb 17, 2009
367	Rodning SP	Alabama Veterinary Medical Association Exhibit Booth	Helped organize and operate an exhibit booth at the 66 th Annual Alabama Cattlemen's Convention and Trade Show to educate visitors about different aspects of veterinary medicine; Montgomery, AL	Feb 13-14, 2009
368	Rodning SP	Herd Health	Beef Plus Cattle Producer Training Program; Belle Mina, AL	Nov 13, 2008
369	Rodning SP	Alabama Veterinary Medical Association Exhibit Booth	Helped organize and operate an exhibit booth at the Alabama National Fair to educate visitors about different aspects of veterinary medicine; Montgomery, AL	Oct 3-12, 2008
370	Rodning SP	Opportunities and Issues in Veterinary Medicine	Guest Speaker; Smiths Station High School FFA; Smiths Station, AL	Apr 8, 2008
371	Rodning SP	Herd Health	Wiregrass Regional Master Cattle Producer Training Program; New Brockton, AL	Jan 24, 2008

#	Presenter	Title	Venue	Date
372	Rodning SP	Beef Cattle Herd Health	Pike and Coffee County Summer Beef Meeting; Troy, AL	Aug 27, 2007
373	Rodning SP	Maintaining animal health	Monroe County Cattlemen's Association Annual Meeting; Beatrice, AL	Jul 12, 2007
374	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Elmore County Extension Office; Wetumpka, AL	May 24, 2007
375	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Poarch Creek Indian Reservation; Atmore, AL	May 18, 2007
376	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Seabrier Farms; Brierfield, AL	May 15, 2007
377	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Upper Coastal Plain Agricultural Research Center; Winfield, AL	May 8, 2007
378	Rodning SP	Guidelines for the ALA-VAC Program	Southeast Alabama Feeder Cattle Marketing Association Meeting; Daleville, AL	May 1, 2007
379	Rodning SP	Infertility	Alabama Simmental Association Field Day; Petcher Farms, Fruitdale, Alabama	Apr 21, 2007
380	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Chambers County ALFA Building; Lafayette, AL	Apr 10, 2007
381	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Morgan County Extension Office; Hartselle, AL	Apr 5, 2007
382	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Clay County Stockyard, Lineville, AL	Mar 22, 2007
383	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Troy University at Dothan; Dothan, AL	Mar 20, 2007
384	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Pike County Cattlemen's Building; Troy, AL	Mar 19, 2007
385	Rodning SP	Herd Health Protection	Spring Small Ruminant Symposium Agribition Center; Alabama A&M University; Huntsville, AL	Mar 17, 2007
386	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Jackson City Hall; Jackson, AL	Mar 15, 2007
387	Rodning SP	Internal Parasite Control	Alabama Cooperative Extension System Dairy Videoconference Meeting	Mar 14, 2007
388	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Covington County Arena; Andalusia, AL	Mar 13, 2007
389	Rodning SP	Protecting beef cattle health	Barbour County Cattlemen's Association Annual Meeting; Eufaula, AL	Mar 9, 2007
390	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Calhoun County ALFA Building; Jacksonville, AL	Mar 1, 2007
391	Rodning SP	Understanding bovine viral diarrhea (BVD) and the Alabama Voluntary BVD Control Program	Etowah County Extension Office; Gadsden, AL	Feb 15, 2007

#	Presenter	Title	Venue	Date
392	Rodning SP	Beef cattle herd health	Tallapoosa County Cattlemen's Association Annual Meeting; Dadeville, AL	Feb 8, 2007
393	Rodning SP	Infectious Diseases of Concern to Cattle Producers in East Alabama	Chambers County Cattlemen's Association Meeting; Lafayette, AL	Feb 6, 2007
394	Rodning SP	Protecting the Health of your 4-H Animal Science Project	4-H Volunteer Parent Forum. Conducted 2 one-hour workshops with 4-H volunteers at the 4-H Convention Center in Columbiana, AL	Jan 20, 2007
395	Rodning SP	The animal health impact of bovine viral diarrhea virus	Lee County Cattlemen's Association Annual Meeting; Opelika, AL	Jan 18, 2007
396	Rodning SP	Herd Health	Montgomery County Monthly Breakfast at the Farmer's Market Café; Montgomery, AL	Jan 5, 2007
397	Rodning SP	Infertility	Beef Cattle Herd Health Short Course Part II. Videoconference broadcast to multiple distance learning sites throughout Alabama, Florida, Mississippi, and Louisiana.	Nov 14, 2006
398	Rodning SP	Biosecurity	Beef Cattle Herd Health Short Course Part II. Videoconference broadcast to multiple distance learning sites throughout Alabama, Florida, Mississippi, and Louisiana.	Nov 14, 2006
399	Rodning SP	Animal Health Issues	East Alabama Beef Breeding and Management Field Day. Gave four 30-minute presentations about animal health issues to about 150 participants at Lawler Angus Farm in Opelika, AL.	Oct 27, 2006
400	Rodning SP	Castration, dehorning, implanting, and injection technique demonstration	Tuscaloosa County Cattlemen's Meeting	Oct 26, 2006
401	Rodning SP	Equine Reproduction	Alabama Regional Equine Information Network (REIN) Training Program. Broadcast a 3-hour session related to equine reproduction to multiple distance learning sites throughout Alabama.	Oct 16, 2006
402	Rodning SP	Preparing for the Breeding Season	Alabama Cooperative Extension System Dairy Videoconference Meeting	Aug 29, 2006
403	Rodning SP	Handling Cattle Under Stress	Hurricane Preparedness Meeting. Mobile, AL; Jon Archer Ag Center	July 28, 2006
404	Rodning SP	Handling Cattle Under Stress	Hurricane Preparedness Meeting. Atmore, AL; Creek Indian Restaurant	July 27, 2006

Extension Event Chair or Co-Chair (50 total)

#	Event Title	Sponsor	Venue	Date
1	Cattle Artificial Insemination School (Co-chair with Josh Elmore and Landon Marks)	ANSC and Premier Select Sires	EV Smith Research Center; Shorter, AL	Oct 28-29, 2025
2	Cattle Artificial Insemination School (Co-chair with Josh Elmore and Landon Marks)	ANSC and Premier Select Sires	EV Smith Research Center; Shorter, AL	Sept 23-24, 2025
3	Southeastern Food and Farm Veterinary Summit (SEVS)	Alabama Veterinary Medical Association and Georgia Veterinary Medical Association	The Marriott Resort Auburn - Opelika	Mar 28-30, 2025

#	Event Title	Sponsor	Venue	Date
4	Southeastern Food and Farm Veterinary Summit (SEVS)	Alabama Veterinary Medical Association and Georgia Veterinary Medical Association	The Marriott Resort Auburn - Opelika	Mar 8-10, 2024
5	Cattle Artificial Insemination School (Co-chair with Landon Marks and Rachel Phillips)	Premier Select Sires	Stanley P. Wilson Beef Teaching Center	May 9-10, 2023
6	31 st Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	The Marriott Resort Auburn - Opelika	Feb 24-26, 2023
7	Cattle Artificial Insemination School (Co-chair with Landon Marks and Rachel Phillips)	Premier Select Sires	Stanley P. Wilson Beef Teaching Center	Oct 11-12, 2022
8	Cattle Artificial Insemination School (Co-chair with Landon Marks and Rachel Phillips)	Premier Select Sires	Stanley P. Wilson Beef Teaching Center	May 10-11, 2022
9	30 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Auburn University Hotel and Conference Center	Feb 11-13, 2022
10	29 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Auburn University College of Veterinary Medicine	Mar 13-15, 2020
11	28 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Mar 15-17, 2019
12	27 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 23-25, 2018
13	Beef Quality Assurance Training	Alabama Cooperative Extension System	Stanley P. Wilson Beef Teaching Center; Auburn, AL	May 5, 2017
14	Beef Quality Assurance Training	Alabama Cooperative Extension System	Tennessee Valley Research and Extension Center; Belle Mina, AL	Apr 24, 2017
15	Beef Quality Assurance Training	Alabama Cooperative Extension System	E.V. Smith Beef Unit; Shorter, AL	Apr 21, 2017
16	Beef Quality Assurance Training	Alabama Cooperative Extension System	Wiregrass Research and Extension Center; Headland, AL	Apr 14, 2017
17	Beef Quality Assurance Training	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	Apr 13, 2017
18	Beef Quality Assurance Training	Alabama Cooperative Extension System	Black Belt Research and Extension Center; Marion Junction, AL	Apr 6, 2017
19	Beef Quality Assurance Training	Alabama Cooperative Extension System	Sand Mountain Research and Extension Center; Crossville, AL	Apr 3, 2017
20	26 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Mar 10-12, 2017
21	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2017
22	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2016

#	Event Title	Sponsor	Venue	Date
23	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	Nov 29, 2016
24	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Black Belt Research and Extension Center; Fairhope, AL	Nov 28, 2016
25	25 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 19-21, 2016
26	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	E.V. Smith Beef Unit; Shorter, AL	Jan 19, 2016
27	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Wiregrass Research and Extension Center; Headland, AL	Dec 7, 2015
28	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Black Belt Research and Extension Center; Marion Junction, AL	Dec 2, 2015
29	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	Dec 1, 2015
30	24 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 13-15, 2015
31	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	E.V. Smith Beef Unit; Shorter, AL	Jan 20, 2015
32	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Wiregrass Research and Extension Center; Headland, AL	Jan 13, 2015
33	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	Dec 2, 2014
34	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Black Belt Research and Extension Center; Fairhope, AL	Dec 1, 2014
35	23 rd Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 7-9, 2014
36	22 nd Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 1-3, 2013
37	Training of hemostasis techniques using novel salmon fibrinogen and thrombin bandages	St. Francis Veterinary Medical	JT Vaughn Large Animal Teaching Hospital; Auburn, AL	Aug 21, 2012
38	Estrus Synchronization and Fixed Time Artificial Insemination Demonstration Results (Co-chair with Joshua and Michelle Elmore)	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	May 24, 2012
39	21 st Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 24-26, 2012
40	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	E.V. Smith Beef Unit; Shorter, AL	Jan 10, 2012
41	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Wiregrass Research and Extension Center; Headland, AL	Dec 5, 2011
42	Estrus Synchronization and Fixed Time Artificial Insemination Field Day (Co-chair with Joshua Elmore)	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	Nov 28, 2011

#	Event Title	Sponsor	Venue	Date
43	Agricultural Field Day for US Military Civil Assistance and Stability Operations	Alabama Cooperative Extension System	Gulf Coast Research and Extension Center; Fairhope, AL	Nov 5, 2011
44	19 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 5-7, 2010
45	18 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 6-8, 2009
46	17 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 1-3, 2008
47	16 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Jan 26-28, 2007
48	Beef Cattle Herd Health Short Course Part II (Co-chair with Dr. Lisa Kriese-Anderson)	Alabama Cooperative Extension System	Videoconference broadcast to multiple distance learning sites throughout Alabama, Florida, Mississippi, and Louisiana.	Nov 14, 2006
49	Beef Cattle Herd Health Short Course Part I (Co-chair with Dr. Lisa Kriese-Anderson)	Alabama Cooperative Extension System	Videoconference broadcast to multiple distance learning sites throughout Alabama, Florida, Mississippi, and Louisiana.	Nov 6, 2006
50	15 th Annual Alabama Conference for Food Animal Veterinarians	Alabama Veterinary Medical Association	Alabama 4-H Center; Columbiana, AL	Feb 10-12, 2006

Extension Event Planning Committee Member (17 total)

#	Event Title	Sponsor	Venue	Date
1	Artificial Insemination School	Premier Select Sires	Auburn University College of Veterinary Medicine	Oct 13-14, 2021
2	Artificial Insemination School	Premier Select Sires	Auburn University College of Veterinary Medicine	Aug 18-19, 2021
3	Beef Cattle Conference	Auburn University Department of Animal Sciences	Auburn, AL	Mar 13-15, 2020 Cancelled due to COVID-19
4	Artificial Insemination School	Premier Select Sires	Auburn University College of Veterinary Medicine	Aug 27-28, 2019
5	Artificial Insemination School	Premier Select Sires	Auburn University College of Veterinary Medicine	Apr 17-18, 2019
6	Beef Cattle Conference	Auburn University Department of Animal Sciences	Auburn, AL	Aug 18, 2018
7	Beef Cattle Conference	Auburn University Department of Animal Sciences	Auburn, AL	Aug 8, 2015

#	Event Title	Sponsor	Venue	Date
8	Deep South Stocker Conference	Auburn University Department of Animal Sciences	Auburn University Montgomery; Montgomery, AL	Aug 7, 2015
9	Auburn University Cow-calf Conference	Auburn University Department of Animal Sciences	Auburn, AL	June 15, 2012
10	Animal Agriculture 101	Alabama Coalition for Farm Animal Care and Well Being	Jon Archer Agricultural Center; Mobile, AL	June 30, 2011
11	Animal Agriculture 101	Alabama Coalition for Farm Animal Care and Well Being	NE Alabama Law Enforcement Academy; Fort McClellan, AL	June 28, 2011
12	Animal Agriculture 101	Alabama Coalition for Farm Animal Care and Well Being	Pike County Cattlemen's Park, Troy, AL	June 23, 2011
13	Triennial Stocker Conference	Alabama Cooperative Extension System	Auburn, AL	Aug 15, 2008
14	Alabama Foreign Animal Disease Functional Exercise	Alabama Department of Agriculture and Industries	Montgomery, AL	June 18, 2008
15	Alabama Food Safety and Defense Conference	South Central Center for Public Health Preparedness, UAB School of Public Health	Montgomery, AL	May 7-8, 2008
16	Southeast EDEN Animal Agrosecurity Conference	EDEN (Extension Disaster Education Network)	Madren Conference Center; Clemson, SC	Jan 8-10, 2008
17	Alabama Foreign Animal Disease Tabletop Exercise	Alabama Department of Agriculture and Industries	Montgomery, AL	Sept 13, 2007

Extension Handbooks and iBooks (5 total)

* Denotes contribution by a graduate student for whom I was a major professor or committee member.

1. Rabinowitz A, Gamble A, Russell D, Sawyer JT, Kesheimer K, Kelly K, Mullenix MK, Dillard SL, Silva L, Runge M, Prasad R, **Rodning SP**. Alabama Forages Handbook; June 2021. Contributing author (100%) for the following section:
Animal Health Considerations
2. Mullenix MK, **Rodning SP**, Kriese-Anderson LA, Elmore MF, Goodrich B, Dillard SL, Kelley WK, Runge M, *Tigue DA, Prasad R, Stanford MK, Elmore J, Green-Johnson C. Beef Cattle Handbook. Alabama Cooperative Extension System ANR-1323; published Aug 2018; revised Aug 2025. Contributing author (75%) for the following sections:
Health Management
Bovine Immunization Guidelines
Understanding Protection Claims on Vaccine Labels
Cattle Parasites
Growth-Stimulating Implants
Annual Cow Evaluation: "Seven Quality Checks"
Determining the Age of Cattle
Biosecurity
Your Veterinarian's Role in Herd Health

The Decision to Treat
Understanding, Storing, and Administering Drugs
Livestock Carcass Disposal
Control of Reproduction
Normal Estrous Cycle
Breeding Soundness Evaluation of Replacement Heifers
Estrus Synchronization Programs
Timing of Artificial Insemination for Maximum Conception
Parturition
Reproductive Tract Prolapses
Retained Placenta
General Causes of Poor Reproductive Performance
Breeding Soundness Evaluation
Measuring Scrotal Circumference

3. Armstrong CL, Bayne J, Brady B, Leite-Browning ML, Dyce P, Edmondson MA, Gallaspy GM, Isham J, Kelley WK, Mullenix MK, Newcomer BJ, Owsley WF, Passler T, **Rodning SP**, Runge MW, Schnuelle JG, *Singh OK, Spencer R, Sowell K. Production Guide for Dairy Goat and Sheep Operations in the Southeast. Alabama Cooperative Extension System ANR-2457; April 2018. Contributing author (50%) for the following sections:
 - Estimating the Age of Goats and Sheep
 - Body Condition Scoring
 - Common Management Procedures
 - Common Signs of a Sick Goat or Sheep
 - Diseases to Vaccinate Against
 - Vaccination Guidelines
 - Treatment and Drug Handling
 - Biosecurity
 - General Small Ruminant Breeding
 - Estrus Detection
 - Breeding Systems
 - Pregnancy and Kidding
 - Raising Kids and Lambs
 - Abortion Causes and Prevention
 - Bacterial Pneumonia
 - Caprine Arthritis Encephalitis
 - Caseous Lymphadenitis
 - Contagious Ecthyma
 - Enterotoxemia
 - Foot Rot and Foot Scald
 - Haemonchosis
 - Johne's Disease
 - Keratoconjunctivitis
 - Listeriosis
 - Mycoplasmosis
 - Polioencephalomalacia
 - Pregnancy Toxemia
4. Mullenix MK, **Rodning SP**, Johnson J, Anderson LK, Marks L, *Tigue DA. Beef Basics Handbook. Available for download as an iBook through Apple iTunes Store beginning in February 2016.

5. Ball D, Gimenez DM, Kerth C, Kriese-Anderson LA, Owsley WF, Prevatt JW, Rankins DL, **Rodning SP**. Alabama Beef Cattle Production Pocket Guide. Alabama Cooperative Extension System ANR-1323; Feb 2008. Contributing author (75%) for the following sections:
 - Health Management
 - Bovine Immunization Guidelines
 - Cattle Parasites
 - Growth-Stimulating Implants
 - Annual Cow Evaluation: "Seven Quality Checks"
 - Determining the Age of Cattle
 - Biosecurity (Biological Risk Management)
 - Your Veterinarian's Role in Herd Health
 - Understanding, Storing, and Administering Drugs
 - Livestock Carcass Disposal
 - Normal Estrous Cycle
 - Estrus Synchronization Programs
 - Timing of Artificial Insemination for Maximum Conception
 - Parturition (Calving)
 - Reproductive Tract Prolapses
 - Retained Placenta
 - General Causes of Poor Reproductive Performance
 - Breeding Soundness Evaluation
 - Measuring Scrotal Circumference

Extension Technical Publications (54 total)

- * Denotes contribution by a graduate student for whom I was a major professor or committee member.
1. *Justice M, Daniel D, Dillard L, Elmore J, Elmore M, Kelley K, Mullenix K, Rabinowitz A, Runge M, Sawadgo W, Stanford K, Tigie A, **Rodning SP**. Determining the Best Time of Year to Calve ANR-3011; June 2023.
 2. *Justice M, Mullenix MK, **Rodning SP**, Tigie DA, Sawyer JT. Implants & Their Use in Beef Cow-Calf Operations ANR-2989; April 2023.
 3. *Edmondson J, Mullenix MK, Stockler R, Schnuelle JG, **Rodning SP**. Importance of Mineral Supplementation & Mineral Tags ANR-2836; March 2022.
 4. *Edmondson J, Mullenix MK, Stockler R, Schnuelle JG, **Rodning SP**. Bioavailability of Mineral Supplements in Beef Cattle Nutrition ANR-2837; November 2021.
 5. **Rodning SP**, Stanford K, Marks ML, Daniel D, Elmore JB, Elmore MF, Mullenix MK. Alabama Beef Quality Assurance: Planning & Constructing Handling Facilities & Equipment. Alabama Cooperative Extension System ANR-2823; September 2021.
 6. *Justice M, Mullenix MK, Elmore MF, **Rodning SP**, Chamorro MF. Weaning Methods for Beef Cow-Calf Operations. Alabama Cooperative Extension System ANR-2823; September 2021.
 7. **Rodning SP**, Mullenix MK, *Tigie DA, Elmore JB, Elmore MF, Sawyer JT. Alabama Beef Quality Assurance: Benchmarking for Quality. Alabama Cooperative Extension System ANR-1286; May 2021.

8. **Rodning SP**, Stanford K, Marks ML, Daniel D, Elmore JB, Elmore MF, Mullenix MK. Alabama Beef Quality Assurance: Using Handling Facilities Correctly. Alabama Cooperative Extension System ANR-1283; April 2021.
9. *Justice M, *Tigue DA, Kelley K, **Rodning SP**, Mullenix MK. Preconditioning Systems and Management Practices for Beef Calves. Alabama Cooperative Extension System ANR-2755; April 2021.
10. **Rodning SP**, Rush J, Kelley K, Runge M, Elmore MF, Dyce PW, Schnuelle JG, Hopper R, Wolfe D, and Armstrong CL. Bull Breeding Soundness Examinations. Alabama Cooperative Extension System ANR-1335; March 2021.
11. **Rodning SP**, Elmore MF, Marks ML, Daniel D, Elmore JB, Thompson G, Dyce PW, Schnuelle JG, Mullenix MK. Bull Scrotal Circumference. Alabama Cooperative Extension System ANR-2671; March 2021.
12. **Rodning SP**, Tigue DA, Daniel D, Elmore JB, Mullenix MK, Sawyer JT. Alabama Beef Quality Assurance: Implanting Cattle Properly. Alabama Cooperative Extension System ANR-1281; March 2021.
13. **Rodning SP**, Mullenix MK, Tigue DA, Vining P, Sawyer JT. Alabama Beef Quality Assurance: Avoiding Residues from Feed. Alabama Cooperative Extension System ANR-1284; March 2021.
14. Mullenix MK, Elmore MF, **Rodning SP**. Transitioning to a Defined Calving Season. Alabama Cooperative Extension System ANR-2656; April 2020.
15. Dillard SL, Mullenix MK, **Rodning SP**. Animal, Forage, and Feed Management Considerations Following a Flood Event. Alabama Cooperative Extension System ANR-2536; March 2019.
16. Navarre CB, **Rodning SP**, Armstrong C. Bovine Trichomoniasis. Louisiana State University Ag Center. July 2018.
17. *Gwynn TM, **Rodning SP**, Newcomer BW, Mullenix MK, Lovelady AS, Schnuelle JG. Alabama Beef Quality Assurance: Biosecurity. Alabama Cooperative Extension System ANR-2465; April 2018.
18. *Gwynn TM, **Rodning SP**, Goodrich BK, Dyce PW, Elmore MF, Elmore JB, Edmondson MA, Newcomer BW, Mullenix MK, Carson RL. Beef Cow Pregnancy Examination. Alabama Cooperative Extension System ANR-1417; Revised March 2018.
19. *Gwynn TM, **Rodning SP**, Elmore MF, Dyce PW, Schnuelle JG, Edmondson MA, Lovelady AS, Newcomer BW, Mullenix MK. Managing a Successful Calving Season. Alabama Cooperative Extension System ANR-1403; Revised March 2018.
20. **Rodning SP**, *Gwynn TM, Mullenix MK, Newcomer BW, Owsley WF. Alabama Beef Quality Assurance: Administering Cattle Health Products Properly. Alabama Cooperative Extension System ANR-1280; March 2018.
21. **Rodning SP**, *Gwynn TM, Mullenix MK, Newcomer BW, Owsley WF. Alabama Beef Quality Assurance: Cattle Health Product Use and Storage. Alabama Cooperative Extension System ANR-1279; February 2018.

22. **Rodning SP**, *Gwynn TM, Mullenix MK, Newcomer BW, Owsley WF. Alabama Beef Quality Assurance: Managing for Good Herd Health. Alabama Cooperative Extension System ANR-1278; February 2018.
23. **Rodning SP**, Mullenix MK, Kriese-Anderson L, Navarre CB. Disaster Preparation for Livestock Operations. Alabama Cooperative Extension System ACES-2479; Sept 2017.
24. Mullenix MK, Elmore MF, **Rodning SP**. Beef Cow Herd Planning Calendar. Alabama Cooperative Extension System ANR-0968-A; Sept 2017.
25. Navarre CB, **Rodning SP**. Johne's Disease. Louisiana State University Ag Center. May 2017.
26. Mullenix MK, Elmore MF, **Rodning SP**. Beef Herd Management Strategies. Alabama Cooperative Extension System ANR-2415; April 2017.
27. Navarre CB, **Rodning SP**. Bull Breeding Soundness Evaluation. Louisiana State University Ag Center. June 2017.
28. **Rodning SP**, McCrea B, Marks L. Youth Animal Science Projects – Veterinary Care and Antibiotic Use. Alabama Cooperative Extension System 4HYD-2232; Feb 2017.
29. **Rodning SP**, Kriese-Anderson LA, Gard JA, Elmore MF, Edmondson MA, Mullenix K. Maintaining Herd Health When Introducing a New Bull. Alabama Cooperative Extension System ANR-2268; July 2015.
30. **Rodning SP**, Elmore JB, Owsley WF, Gard JA, Mullenix K. Treating Stocker Calves. Alabama Cooperative Extension System ANR-2267; July 2015.
31. **Rodning SP**, Gard JA, Elmore MF, Elmore J, Edmondson MA. Breeding Soundness Examination for Replacement Heifers. Alabama Cooperative Extension System ANR-2263; July 2015.
32. **Rodning SP**, Owsley WF, Gard JA, Mullenix K. Euthanasia of Livestock. Alabama Cooperative Extension System ANR-2266; Jun 2015.
33. **Rodning SP**, Walz PH, Gard JA, Edmondson MA, Newcomer BW, Mullenix K. Prevention Best Medicine for Calf Scours. ANR-2240; Feb 2015.
34. **Rodning SP**, Gard JA, Walz PH, Edmondson MA, Newcomer BW. Bovine Leukosis. Alabama Cooperative Extension System ANR-2239; Jan 2015.
35. **Rodning SP**, Gard JA, Edmondson MA, Walz PH, Passler T, Mullenix K. Pinkeye in Cattle. Alabama Cooperative Extension System ANR-2227; Dec 2014.
36. Owsley WF, **Rodning SP**, Floyd JG. Scheduling All-in/All-out Swine Production. Alabama Cooperative Extension System ANR-0847; Jan 2013.
37. Owsley WF, **Rodning SP**. Managing Feeder Pigs. Alabama Cooperative Extension System ANR-0815; Jan 2013.
38. **Rodning SP**, Owsley WF, Edmondson MA, Gard JA. Vaccinations for the Beef Cattle Herd. Alabama Cooperative Extension System ANR-0968; June 2012.

39. **Rodning SP**, Edmondson MA, Gard JA, Lovelady AS. Leptospirosis in Cattle. Alabama Cooperative Extension System ANR-858; Mar 2012.
40. **Rodning SP**, Prevatt JW, Carson RL, Elmore JB, Elmore MF, Edmondson MA. Beef Cow Pregnancy Examination. Alabama Cooperative Extension System ANR-1417; Mar 2012.
41. **Rodning SP**, Elmore MF, Edmondson MA, Elmore JB, Gard JA, Lovelady AS. Estrus Synchronization and Artificial Insemination Programs for Beef Cattle. Alabama Cooperative Extension System ANR-1027; Feb 2012.
42. **Rodning SP**, Owsley WF, Edmondson MA, Gard JA, Lovelady AS. Blackleg and other clostridial diseases in cattle. Alabama Cooperative Extension System ANR-0888; Dec 2011.
43. **Rodning SP**, Owsley WF, Edmondson MA, Gard JA. Understanding Protection Claims on Vaccine Labels. Alabama Cooperative Extension System ANR-1416; Dec 2011.
44. **Rodning SP**, Owsley WF, Elmore MF, Edmondson MA, Gard JA, Lovelady AS. Common complications with calving. Alabama Cooperative Extension System ANR-1404; Oct 2011.
45. **Rodning SP**, Owsley WF, Elmore MF, Edmondson MA, Gard JA, Lovelady AS. Managing a successful calving season. Alabama Cooperative Extension System ANR-1403; Oct 2011.
46. **Rodning SP**, Givens MD. Bovine Viral Diarrhea Virus. Alabama Cooperative Extension System ANR-1367; Jan 2010.
47. **Rodning SP**. Bull Breeding Soundness Evaluations. Alabama Cooperative Extension System ANR-1335; Oct 2008.
48. **Rodning SP**. Bovine Johne's Disease. Alabama Cooperative Extension System ANR-1334; Oct 2008.
49. **Rodning SP**. Bovine Trichomoniasis. Alabama Cooperative Extension System ANR-1333; Oct 2008.
50. **Rodning SP**, Navarre CB. Bovine Anaplasmosis. Alabama Cooperative Extension System ANR-777; Oct 2008.
51. **Rodning SP**, Owsley WF. Livestock Carcass Disposal. Alabama Cooperative Extension System ANR-1324; Feb 2008.
52. Gimenez D, **Rodning SP**. Reproductive Management of Sheep and Goats. Alabama Cooperative Extension System ANR-1316; Jul 2007.
53. McCall CA, **Rodning SP**. Broodmare Management. Alabama Cooperative Extension System ANR-1306; Apr 2007.
54. Owsley WF, Navarre CB, **Rodning SP**. Disaster Biosecurity in Cattle Operations. Louisiana Cooperative Extension Service 2949-S; Sept 2006.

Extension Brief (1 total)

1. **Rodning SP**. Over-the-Counter Option for Livestock Antibiotics is Going Away. March 2023.

Extension Timely Information Bulletins (36 total)

* Denotes contribution by a graduate student for whom I was a major professor or committee member.

1. **Rodning SP**, Brantley E, Dillard L, Elmore JB, Elmore MF, Gamble A, Kelley K, Kesheimer K, Mullenix MK, Runge M, Russell D, Sawyer J, Thomas S, Thompson GL, Tigue DA. Beef Cattle Management in Uncertain Times. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; April 2020.
2. **Rodning SP**, Mullenix MK, Elmore MF, Elmore JB, Thompson GL, Dorough HD, Beasley E, Ragland B, Frazier T, Edmondson MA. Cattle Processing in an Unusual Year: Preventing COVID-19 Transmission. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; April 2020.
3. **Rodning SP**, Norton RA. Ivermectin Unproven as Treatment for COVID-19. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; April 2020.
4. Navarre CB, **Rodning SP**, Mullenix MK, Kriese-Anderson L. Disaster Preparation for Livestock Operations. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences and Disaster Recovery Series; Sept 2017.
5. Mullenix MK, **Rodning SP**, Kelley K. Preconditioning Beef Calves. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Aug 2017.
6. *Gwynn T, **Rodning SP**, Holland C, Pugh DG, Frazier T. Potomac Horse Fever recently diagnosed in Alabama. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; July 2017.
7. Kriese-Anderson L, Blaylock B, Floyd J, Marks L, Mullenix MK, **Rodning SP**. Culling Strategies for Beef Cattle Operations. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; May 2017.
8. **Rodning SP**, Mullenix MK, Gladney J, Schnuelle JG. Preventing Ruminal Acidosis When Using Supplemental Feeds for Beef Cattle. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Apr 2017.
9. **Rodning SP**, Schnuelle JG. USDA Announces Eradication of New World Screwworm in Florida. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Apr 2017.
10. **Rodning SP**, Schnuelle JG, Kriese-Anderson L, Edmondson MA, Mullenix MK, Duran S. Veterinary Feed Directive Requirements for Feed Distributors. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Mar 2017.
11. **Rodning SP**, Schnuelle JG, Kriese-Anderson L, Edmondson MA, Mullenix MK. Guide to using medicated feeds containing chlortetracycline for beef cattle in compliance with FDA Veterinary Feed Directive regulations. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Feb 2017.
12. **Rodning SP**, Schnuelle JG, Kriese-Anderson L, Edmondson MA, Mullenix MK. Livestock producers guide to using medicated feeds in compliance with FDA Veterinary Feed Directive

regulations. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Feb 2017.

13. **Rodning SP**, Schnuelle JG. Update on the Florida Screwworm Outbreak. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Jan 2017.
14. Mullenix MK, **Rodning SP**. Protein Supplementation: Natural vs. Non-Protein Nitrogen Sources. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Nov 2016.
15. **Rodning SP**, Mullenix K. Preparing for the new FDA Veterinary Feed Directive guidance. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Sept 2015.
16. Mullenix MK, **Rodning SP**, Elmore MF. A Spring to Summer Beef Cattle Checklist. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Apr 2015.
17. **Rodning SP**, Owsley WF. Judicious Use of Antibiotics in Cattle. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Mar 2015.
18. Prevatt JW, **Rodning SP**. Beef Cow-Calf Enterprise Budget. Alabama Cooperative Extension System Timely Information Bulletin, Agricultural Economics Series; 2015.
19. **Rodning SP**, Gard JA, Walz PH, Edmondson MA, Newcomer BJ. Bovine Leukemia Virus (BLV). Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Jan 2015.
20. **Rodning SP**, Gard JA, Edmondson MA, Elmore JB. Controlling Lice in the Fall. Alabama Cooperative Extension System Timely Information Bulletin Animal Sciences Series; Dec 2014.
21. **Rodning SP**, Elmore MF, Elmore JB. Bull Breeding Soundness Examinations. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Nov 2014.
22. **Rodning SP**, Edmondson MA. Update on new FDA antimicrobial policy. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Sept 2014.
23. **Rodning SP**, Mullenix MK. New FDA Guidance for Medicated Food Animal Feed and Water. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Apr 2014.
24. Navarre CB, **Rodning SP**. Bull Breeding Soundness Evaluations. Louisiana State University Ag Center Animal Industry News Update. Vol 14, Issue 1, Mar 2013.
25. Prevatt W, Rankins D, **Rodning SP**. Is Preconditioning Feeder Calves For Me? Alabama Cooperative Extension System Timely Information Bulletin, Agricultural Economics Series; Oct 2012.
26. **Rodning SP**, Owsley WF, Edmondson MA, Gard JA. Evaluating Vaccine Labels to Determine Expected Level of Protection. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Oct 2011.
27. Cline JL, Helton JS, Li L, Roberts JF, **Rodning SP**. A Survey of Bovine Respiratory Disease Cases and Liver Copper Concentrations from Submissions to a South Alabama Diagnostic

Laboratory. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Sept 2011.

28. **Rodning SP**, Frazier T, Prevatt JW, Edmondson MA. Trichomoniasis Prevention and Control. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Sept 2011.
29. **Rodning SP**, Elmore MF, Edmondson MA, Elmore JB, Gard JA, Lovelady AS. Beef Cattle Reproductive Management. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Sept 2011.
30. **Rodning SP**, Prevatt JW, Carson RL, Elmore JB, Elmore MF. Annual Beef Cow Pregnancy Examination. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; June 2011.
31. Prevatt JW, **Rodning SP**. Beef Cow-Calf Enterprise Budget. Alabama Cooperative Extension System Timely Information Bulletin, Agricultural Economics Series; Feb 2011.
32. **Rodning SP**. Environmental, economical, and nutritional benefits of pharmaceuticals in beef cattle. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Aug 2010.
33. **Rodning SP**. Responsible use of antibiotics in beef cattle. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Aug 2010.
34. **Rodning SP**, Frazier T, Slaten T. BSE Testing Program Takes a Break. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; Feb 2010.
35. **Rodning SP**, Givens MD. Efficacy of vaccinating cow-calf herds against BVDV. Alabama Cooperative Extension System Timely Information Bulletin, Animal Sciences Series; July 2009.
36. Prevatt W, Rankins D, **Rodning SP**. Preconditioning Feeder Calves Makes Dollars and Sense. Alabama Cooperative Extension System Timely Information Bulletin, Agricultural Economics Series; Nov 2007.

Extension Newsletter Contributions (13 total)

1. **Rodning SP**. Evaluating the health of a new bull. Alabama Cooperative Extension System Newsletter Livestock Links; Summer 2010.
2. Navarre CB, **Rodning SP**. Infertility in Cattle. Louisiana State University Agricultural Center Animal Health Notes; Jun 2010.
3. **Rodning SP**. Considerations for the Calving Season. Alabama Cooperative Extension System Newsletter Livestock Links; Winter 2010.
4. **Rodning SP**. Bull Breeding Soundness Evaluations. Alabama Cooperative Extension System Newsletter Livestock Links; Fall 2009.
5. **Rodning SP**. Protecting the herd against BVDV. Alabama Cooperative Extension System Newsletter Livestock Links; Spring 2009.

6. **Rodning SP**. Livestock Carcass Disposal. Alabama Cooperative Extension System Northwest Alabama Small Ruminant Newsletter, Spring 2009.
7. Navarre CB, **Rodning SP**. Bovine Trichomoniasis. Louisiana Cooperative Extension Service. Bayou Beef Tips; Mar 2009.
8. **Rodning SP**. Livestock Carcass Disposal. Alabama Cooperative Extension System Newsletter Livestock Links; Winter 2009.
9. **Rodning SP**. Understanding Protection Claims on Vaccine Labels. Alabama Cooperative Extension System Newsletter Livestock Links; Summer 2008.
10. **Rodning SP**. Biological Risk Management. Alabama Cooperative Extension System Newsletter Livestock Links; Winter 2007.
11. Prevatt W, Rankins D, **Rodning SP**. Preconditioning Feeder Calves Makes Dollars and Sense. Alabama Beef Cattle Improvement Association Newsletter: Vol. 11, No. 3; Nov 2007.
12. **Rodning SP**. Disease Outbreak Highlights Need for Premises Registration. "Ag Update" with Margaret Lawrence of the Alabama Cooperative Extension System; Aug 15, 2007.
13. **Rodning SP**. Keep Yourself and Your Pets Safe from Rabies. "Ag Update" with Margaret Lawrence of the Alabama Cooperative Extension System; Aug 13, 2007.

Extension Videos (25 total)

- * Denotes contribution by a graduate student for whom I was a major professor or committee member.
- 1. Disaster Preparations for Livestock Operations. ACES Navigating Natural Disasters: A Guide for Agricultural Producers Video Series. June 2023.
Mullenix MK, **Rodning SP**, Rabinowitz A, Ulmer M
- 2. Caring for Cattle after the Storm. ACES Navigating Natural Disasters: A Guide for Agricultural Producers Video Series. June 2023.
Mullenix MK, **Rodning SP**, Rabinowitz A, Ulmer M
- 3. Alabama 4-H Livestock Judging: Livestock General Terminology; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
- 4. Alabama 4-H Livestock Judging: General Overview; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
- 5. Alabama 4-H Livestock Judging: Tips for Livestock Judging; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
- 6. Alabama 4-H Livestock Judging: Filling Out Judging Cards; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
- 7. Alabama 4-H Beef Judging: Evaluating Beef Cattle Muscling; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**

8. Alabama 4-H Beef Judging: Structural Correctness in Beef Cattle; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
9. Alabama 4-H Beef Judging: Volume and Fleshing Ability; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
10. Alabama 4-H Horse Judging: Tips and Tricks; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
11. Alabama 4-H Horse Judging: Halter; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
12. Alabama 4-H Horse Judging: Gelding Halter Class 1; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
13. Alabama 4-H Horse Judging: Gelding Halter Class 2; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
14. Alabama 4-H Horse Judging: Judging Horsemanship; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
15. Alabama 4-H Horse Judging: Western Horsemanship Class 1; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
16. Alabama 4-H Horse Judging: Western Horsemanship Class 2; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
17. Alabama 4-H Dairy Cattle Judging: Terminology; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
18. Alabama 4-H Dairy Cattle Judging: Udder Part 1; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
19. Alabama 4-H Dairy Cattle Judging: Udder Part 2; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
20. Alabama 4-H Dairy Cattle Judging: Dairy Strength; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
21. Alabama 4-H Dairy Cattle Judging: Feet & Legs; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
22. Alabama 4-H Dairy Cattle Judging: Frame; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
23. Alabama 4-H Dairy Cattle Judging: Cow Practice Class; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
24. Alabama 4-H Dairy Cattle Judging: Heifers; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**
25. Alabama 4-H Dairy Cattle Judging: Heifer Practice Class; 2022
*Zeleny BA, McCrea BA, Heaton CP, Sawyer JT, Biensch J, Brady B, **Rodning SP**

Extension Budgets and Worksheets (2 total)

1. Prevatt JW, Mullenix K, **Rodning SP**. Fall Stocker Budgets, 2014-2015.
2. Prevatt JW, **Rodning SP**. Cow-calf Enterprise Budget, 2011.

Contributions to Alabama Cooperative Extension System Training Manuals (5 total)

1. McCrea B, **Rodning SP**, Gladney J. Beef It Up Project Manual. Alabama Cooperative Extension System 4HYD-2284; Oct 2017.
2. **Rodning SP**, Mullenix MK, Kriese-Anderson L, Navarre CB. Disaster Preparation for Livestock Operations. Emergency Handbook: Preparation and Recovery (ACES-2168).
3. **Rodning SP**. Broodmare Management. Alabama Regional Equine Information Network (REIN) 2006 Training Manual.
4. **Rodning SP**. Stallion and Semen Management. Alabama Regional Equine Information Network (REIN) 2006 Training Manual.
5. **Rodning SP**. Neonatal Foal Care. Alabama Regional Equine Information Network (REIN) 2006 Training Manual.

Alabama Cattleman Articles (81 total)

The *Alabama Cattleman* is a monthly publication of the Alabama Cattlemen's Association with a circulation of approximately 12,000 magazines per month.

* Denotes contribution by a graduate student for whom I was a major professor or committee member.

1. **Rodning SP**. Preparing for the Calving Season. Sept 2025.
2. **Rodning SP**. Pregnancy Examinations. June 2025.
3. **Rodning SP**. Vaccine handling affects efficacy. Mar 2025.
4. Mullenix MK, *Tigue DA, Kelley WK, **Rodning SP**. Preconditioning Management for Fall-Born Calves. May 2020.
5. **Rodning SP**, Norton R. Cattle Processing in an Unusual Year: Preventing COVID-19 Transmission. May 2020.
6. **Rodning SP**. Vaginal, Cervical, and Uterine Prolapses. Sept 2019.
7. Mullenix MK, Elmore MF, **Rodning SP** (30%). Beef Herd Management Strategies – Back to the Basics. July 2019.
8. **Rodning SP**. Preparing bulls for the breeding season. Nov 2018.
9. **Rodning SP**. Keeping calves healthy. Sept 2018.

10. **Rodning SP.** Preventing tetanus when banding bulls. July 2018.
11. **Rodning SP.** Alabama BQA Leads the Way. Mar 2018.
12. *Gwynn T, **Rodning SP.** Vaccine storage, handling, and administration impacts efficacy. Jan 2018.
13. *Gwynn T, **Rodning SP.** Calving Season Management. Sept 2017.
14. *Gwynn T, **Rodning SP,** Holland C, Pugh DG, Frazier T. Potomac Horse Fever in Alabama; Sept 2017.
15. **Rodning SP.** Give thanks...and register your premises; July 2017.
16. **Rodning SP.** New World Screwworms eradicated from the United States for the second time; May 2017.
17. **Rodning SP.** Using medicated feeds containing chlortetracycline; Mar 2017.
18. **Rodning SP.** Update on the Florida Screwworm Outbreak; Feb 2017.
19. **Rodning SP.** What to do when cattle die; Jan 2017.
20. **Rodning SP.** Foreign Animal Disease Surveillance; Nov 2016.
21. Mullenix MK, **Rodning SP.** Ionophores, the Veterinary Feed Directive, and What it Means for Beef Producers; Sept 2016.
22. **Rodning SP.** Beef Quality Assurance; Sept 2016.
23. **Rodning SP.** Trichomoniasis impacts reproductive efficiency; June 2016.
24. **Rodning SP.** Educating Consumers about Livestock Antibiotics; Apr 2016.
25. **Rodning SP.** Herd Health Management Resources; Mar 2016.
26. **Rodning SP.** Managing Calf Scours; Feb 2016.
27. **Rodning SP.** Fixed Time Artificial Insemination; Dec 2015.
28. **Rodning SP.** Preparing for the new FDA Veterinary Feed Directive guidance; Oct 2015.
29. **Rodning SP.** Reproductive tract prolapses; Aug 2015.
30. **Rodning SP.** Growth Promoting Implants; June 2015.
31. **Rodning SP.** Start Making Plans for Pregnancy Examinations; Apr 2015.
32. **Rodning SP.** Foot rot; Feb 2015.
33. **Rodning SP.** Lice; Dec 2014.
34. **Rodning SP.** Evaluating replacement heifers before the breeding season; Oct 2014

35. **Rodning SP.** New FDA Guidance for Medicated Feed and Water; May 2014
36. **Rodning SP.** Prevention is the best medicine for calf scours; Feb 2014.
37. **Rodning SP.** It's not too late; Dec 2013.
38. **Rodning SP.** What to expect when your cows are expecting; Oct 2013.
39. **Rodning SP.** Pinkeye; Aug 2013.
40. **Rodning SP.** Euthanasia of Livestock; June 2013.
41. **Rodning SP.** Lymphosarcoma and Bovine Leukemia Virus; Apr 2013.
42. **Rodning SP.** Alabama Animal Disease Traceability Rule; Feb 2013.
43. **Rodning SP.** Beef Cattle Vaccinations; Nov 2012.
44. Prevatt W, Rankins D, **Rodning SP.** Is Preconditioning Feeder Calves for Me?; Oct 2012.
45. **Rodning SP.** Keys to a Successful Calving Season; Sept 2012.
46. **Rodning SP.** Anaplasmosis in Alabama; July 2012.
47. **Rodning SP.** Growth Promoting Implants in Beef Production; May 2012.
48. **Rodning SP.** Methods for Pregnancy Examinations; Mar 2012.
49. **Rodning SP.** The Benefits of Pregnancy Diagnosis; Jan 2012.
50. **Rodning SP.** Estrus Synchronization and Artificial Insemination; Nov 2011.
51. **Rodning SP.** Treating Stocker Calves; Sept 2011.
52. **Rodning SP.** Bovine Leptospirosis; July 2011.
53. **Rodning SP.** Benefits and Safety of Pharmaceuticals in Beef Cattle; July 2010.
54. **Rodning SP.** Judicious Use of Antibiotics; May 2010.
55. **Rodning SP.** Update on the BSE Testing Program; Mar 2010.
56. **Rodning SP.** Calf Scours; Jan 2010.
57. **Rodning SP.** Minimizing health risks when buying a bull; Nov 2009.
58. **Rodning SP.** Blackleg; Sept 2009.
59. **Rodning SP.** Controlling BVDV: Part II; July 2009.
60. **Rodning SP.** Controlling BVDV: Part I; May 2009.

61. **Rodning SP**, Givens MD. Vaccinating against BVDV; Mar 2009.
62. **Rodning SP**. Leptospirosis; Jan 2009.
63. **Rodning SP**. Estrus Synchronization; Nov 2008.
64. **Rodning SP**. Livestock Carcass Disposal; Sept 2008.
65. **Rodning SP**. Common Complications Encountered Before and After Calving; Aug 2008.
66. **Rodning SP**. Preparing the Cow Herd for Calving; Jul 2008.
67. **Rodning SP**. Bovine Anaplasmosis; Jul 2008.
68. **Rodning SP**. Bovine Trichomoniasis; May 2008.
69. **Rodning SP**. Johne's Disease; Mar 2008.
70. **Rodning SP**. Bull Breeding Soundness Evaluations; Jan 2008.
71. **Rodning SP**. Bovine Immunization Guidelines; Nov 2007.
72. **Rodning SP**. Understanding Vaccines; Sept 2007.
73. **Rodning SP**, Elmore M, Prevatt W, Wolfe DF. Reproductive Management to Minimize Risk; Aug 2007.
74. **Rodning SP**. Understanding Protection Claims on Vaccine Labels; Jul 2007.
75. Prevatt W, Rankins D, **Rodning SP**. Adding Value to Your Calf Crop by Preconditioning; Jun 2007.
76. **Rodning SP**. Update on the Alabama Voluntary BVD Control Program; May 2007.
77. **Rodning SP**. Understanding Bovine Viral Diarrhea Virus; Mar 2007.
78. **Rodning SP**. The Benefits of Premises Registration; Mar 2007.
79. **Rodning SP**. Alabama Voluntary BVD Control Program; Jan 2007.
80. **Rodning SP**. Biosecurity; Nov 2006.
81. **Rodning SP**. Disaster Preparedness; Sept 2006.

Other Lay Publication Articles (24 total)

1. Norton RA, **Rodning SP**, Collier DJ, Nelson PH, Simmons N, Monu E, Bourassa DV, Sawyer JT. Empowering Food and Agriculture to Respond as Critical Infrastructures to COVID-19 and Future Pandemics Part 4: Gray Zones, Black Swans and Gray Rhinos – Preparing for Disruption. Published by The McCrary Institute for Cyber and Critical Infrastructure Security at <https://mccrary.auburn.edu/work/empowering-food-and-agriculture-to-respond-as-critical-infrastructures-to-covid-19-and-future-pandemics/index.html>. February 2021.

2. Norton RA, **Rodning SP**, Collier DJ, Nelson PH, Simmons N, Monu E, Bourassa DV, Sawyer JT. Empowering Food and Agriculture to Respond as Critical Infrastructures to COVID-19 and Future Pandemics Part 3: Strategic Implications and Critical Infrastructure Vulnerabilities. Published by The McCrary Institute for Cyber and Critical Infrastructure Security at <https://mccrary.auburn.edu/work/empowering-food-and-agriculture-to-respond-as-critical-infrastructures-to-covid-19-and-future-pandemics/index.html>. February 2021.
3. Norton RA, **Rodning SP**, Collier DJ, Nelson PH, Simmons N, Monu E, Bourassa DV, Sawyer JT. Empowering Food and Agriculture to Respond as Critical Infrastructures to COVID-19 and Future Pandemics Part 2: The Pandemic Takes Hold in the Critical Infrastructures of Agriculture and Food. Published by The McCrary Institute for Cyber and Critical Infrastructure Security at <https://mccrary.auburn.edu/work/empowering-food-and-agriculture-to-respond-as-critical-infrastructures-to-covid-19-and-future-pandemics/index.html>. February 2021.
4. Norton RA, **Rodning SP**, Collier DJ, Nelson PH, Simmons N, Monu E, Bourassa DV. Empowering Food and Agriculture to Respond as Critical Infrastructures to COVID-19 and Future Pandemics Part 1: An Epidemic Becomes a Pandemic. Published by The McCrary Institute for Cyber and Critical Infrastructure Security at <https://mccrary.auburn.edu/work/empowering-food-and-agriculture-to-respond-as-critical-infrastructures-to-covid-19-and-future-pandemics/index.html>. February 2021.
5. Norton R, **Rodning SP**, Monu E, Bourassa DV, Tigue DA, Sawyer J. Impact of SARS-CoV-2 on the Meat Industry and Food Safety. *Food Safety Magazine eDigest*; June 2020.
6. **Rodning SP**. Calving season management. *Progressive Cattleman*; January 2017.
7. **Rodning SP**. Preparing for and managing a successful calving season. *Gulf Coast Cattleman*; November 2015.
8. **Rodning SP**. Annual pregnancy examinations. *Gulf Coast Cattleman*; June 2012.
9. **Rodning SP**. The benefits of estrus synchronization and artificial insemination. *Gulf Coast Cattleman*; Dec 2011.
10. **Rodning SP**. Protecting herd health when buying a bull. *FRONTLINE Beef Producer*, p. 15; Sept/Oct 2010.
11. **Rodning SP**. Prudent use of antibiotics. *Gulf Coast Cattleman*; June 2010.
12. **Rodning SP**. Evaluating the health status of a new bull. *SimTalk*; Mar 2010.
13. **Rodning SP**. Minimizing health risks when buying a bull. *Gulf Coast Cattleman*; Dec 2009.
14. **Rodning SP**. Preparing for the calving season. *FRONTLINE Beef Producer*, p. 6; Nov/Dec 2009.
15. **Rodning SP**. Are your bulls fit for service? *FRONTLINE Beef Producer*, p. 6; Sept/Oct 2009.
16. **Rodning SP**. Trichomoniasis. *FRONTLINE Beef Producer*, p. 7; Mar/Apr 2009.
17. **Rodning SP**. Understanding Protection Claims on Vaccine Labels. *Brangus Journal*, p. 44; Jan/Feb 2009.

18. Navarre CB, **Rodning SP**. John's Disease. *Louisiana Farm and Ranch*; Jan 2009.
19. Navarre CB, **Rodning SP**. John's Disease. *The Louisiana Cattleman*; Jan 2009.
20. Navarre CB, **Rodning SP**. Bull Breeding Soundness Evaluations. *The Louisiana Cattleman*; Dec 2008.
21. **Rodning SP**. Bull Breeding Soundness Evaluations. *Gulf Coast Cattleman*; Dec 2008.
22. Navarre CB, **Rodning SP**. Bull Breeding Soundness Evaluations. *Louisiana Farm and Ranch*; Nov 2008.
23. **Rodning SP**. Understanding Protection Claims on Vaccine Labels. *Gulf Coast Cattleman*; Jun 2008.
24. **Rodning SP**. Proper Livestock Carcass Disposal Protects Herd and Environment. AFC Cooperative Farming News, Vol. XXXVII, No. 9; May 2008.

Animal Agricultural 101 for Law Enforcement Professionals Course Development

As a member of the Alabama Coalition for Farm Animal Care and Well Being, I helped develop several components of an Animal Ag 101 course that offers training and education for law enforcement, animal control officers, and first responders dealing with livestock in emergencies and cruelty complaints.

Television Programs (3 total)

(Number in parentheses indicates % contribution of the candidate)

1. **Spotlight on Agriculture**
Season 3, Episode 2, Food Safety (5%)
Aired on Alabama Public Television: June 9, 2020
2. **Spotlight on Agriculture**
Season 1, Episode 2 (5%)
Aired on Alabama Public Television: May 20, 2018
3. **On The Job**
Helped film an episode about the veterinary profession that highlighted the Auburn University College of Agriculture, College of Veterinary Medicine, and the importance of veterinarians in protecting and promoting human and animal health. The episode was hosted by Bobby Jon Drinkard and produced by Alabama Industrial Development Training (AIDT) in cooperation with Alabama Public Television.
Aired on Alabama Public Television: June 22, 2008.

Television Interviews (3 total)

1. **Interviewed by Nicky Walters from the WOWK News Team** (Apr 10, 2020)
Interviewed about the use of ivermectin to treat COVID-19.
2. **Interviewed by Margaret Lawrence, Alabama Cooperative Extension System** (Sept 7, 2017)
Interviewed about hurricane preparedness and recovery for livestock operations.

3. **Interviewed by Taylor Barnhill, WTVM Channel 9** (Jun 19, 2008)
Interviewed for the WTVM Channel 9 Newsleader Evening News about issues related to veterinary medicine.

Radio Interviews (7 total)

1. **Interviewed by Margaret Lawrence, Alabama Cooperative Extension System** (Jan 8, 2013)
Interviewed about the Alabama Animal Disease Traceability Rule.
2. **Interviewed by Randall Weiseman, Southeast AgNet** (Feb 13, 2009)
Interviewed about beef cattle herd health management.
3. **Interviewed by Andy Burcham, Auburn Network** (May 15, 2008)
Guest on the 'Auburn-Opelika This Morning' show (WANI 1400 AM) to discuss National Rabies Month and promote rabies awareness.
4. **Interviewed by Margaret Lawrence, Alabama Cooperative Extension System** (Aug 20, 2007)
Interviewed about rabies for a 'Backyard Wisdom' broadcast.
5. **Interviewed by Randall Weiseman, Southeast AgNet** (Jul 24, 2007)
Interviewed about the shortage of food animal veterinarians in Alabama and the Alabama Voluntary BVD Control Program.
6. **Interviewed by Randall Weiseman, Southeast AgNet** (Feb 17, 2007)
Interviewed about the Alabama Voluntary BVD Control Program.
7. **Interviewed by Randall Weiseman, Southeast AgNet** (Jul 27, 2006)
Interviewed about hurricane/disaster preparedness for cattle producers.

Magazine Interviews (7 total)

1. **Interviewed by Becky Mills, Gulf Coast Cattleman** (Aug 24, 2017)
Interviewed for the article *Lower Risks with a Biosecurity Plan*.
2. **Interviewed by Lindsay Allen, Gulf Coast Cattleman** (Feb 16, 2017)
Interviewed for the article *Protect the herd: Even the best vaccine program will fail without proper handling of products*.
3. **Interviewed by Clifford Mitchell, Gulf Coast Cattleman** (Sept 10, 2014)
Interviewed for the article *Keep Out: trichomoniasis cripples cow herds, robs profits*.
4. **Interviewed by Becky Mills, Angus Journal** (Nov 6, 2012)
Interviewed for the article *Synchronization and AI: User-friendly technology demonstrated in Alabama*.
5. **Interviewed by Clifford Mitchell, Gulf Coast Cattleman** (Feb 9, 2010)
Interviewed for the article *Clean Environment: proper scour prevention means health calf crop*.
6. **Interviewed by Clifford Mitchell, FRONTLINE Beef Producer** (Feb 20, 2009)
Interviewed for the article *Complex Recipe: No generic formula to sound herd health*.

7. **Interviewed by Clifford Mitchell, *Gulf Coast Cattleman*** (Sept 15, 2008)
Interviewed for the article *Avoiding the Crash: vaccination programs provide insurance*.

Newspaper Interviews (2 total)

1. **Interviewed by Kathy Seale, *The Birmingham News*; Birmingham, AL** (Nov 5, 2008)
Interviewed for an article about the shortage of large animal veterinarians.
2. **Interviewed by Peggy Ussery, *Dothan Eagle*; Dothan, AL** (Feb 3, 2008)
Interviewed for the article "Fewer veterinarians specialize in large animals".

Webinars (3 total)

(Number in parentheses indicates % contribution of the candidate)

1. **Preparing for the Calving Season (90%)**
Alabama Cooperative Extension System Animal Sciences and Forage Series Webinar
Hosted by Dr. Kim Mullenix on Aug 9, 2017
2. **Changing Regulations with the FDA and Veterinary Feed Directive (90%)**
Alabama Cooperative Extension System Animal Sciences and Forage Series Webinar
Hosted by Dr. Kim Mullenix on Sept 14, 2016
3. **Bovine Trichomoniasis (aka "Trich") in Texas and Beyond (50%)**
Hosted by by Boehringer Ingelheim on Oct 1, 2012
Conducted with Dr. Mac Devin

Podcasts (3 total)

1. **Cattle Connect** – aired September 5, 2025
Cattle Connect is a podcast hosted by the Alabama Cattlemen's Association

Hosted by Erin Beasley
Precision Breeding: Auburn's AI School Preview ft. Dr. Soren Rodning
2. **AgCast** – aired March 15, 2023
AgCast is a podcast hosted by the Alabama Farmers Federation

Hosted by Mike Moody
Dr. Soren Rodning discusses new FDA rules for livestock antibiotics.
3. **Food Safety Matters** – aired April 28, 2020
Food Safety Matters is a podcast for food safety professionals hosted by the Food Safety Magazine editorial team – the leading media brand in food safety for over 20 years.

Ep. 70. Auburn Univ. Experts: COVID's Effect on U.S. Meat Industry
<https://www.foodsafetymagazine.com/podcast/>

Conducted with Dr. Robert Norton, Dr. Jason Sawyer, and Alex Tighe