

Education

Ph.D. Meat Science: Minor in Statistics
Iowa State University

M.S. Animal Breeding: Genetics Emphasis
Texas Tech University

B.S. Animal Science
Texas Tech University

Teaching Experience

Undergraduate and Graduate Faculty, 2013-Present
Sam Houston State University, Department of Agricultural Sciences and
Engineering Technology
75% Teaching, 25% Research

Courses Taught:

- ANSC 1319, Animal Science
- ANSC 3363, Anatomy & Physiology of Domestic Animals
- ANSC 3376, Meat Science
- ANSC 3377, Meat and Muscle Biology
- ANSC 4310, Animal Growth and Production
- ANSC 4376, Sheep and Goat Production
- ANSC 5340, Advanced Animal Growth and Production
- AGRI 5369, Advanced Meat and Muscle Biology
- AGRI 6350, Research Methods and Interpretations

Undergraduate Mentor, 2011-2012
Texas Tech University, Department of Animal and Food Science

Joshua Platt

- Presentations:
 - The effect of ferulic acid on myogenic regulators of growth in bovine satellite cells.
 - Presented at Texas Tech Bob Albin Animal and Food Sciences Poster Competition (March 23) and Texas Tech University Undergraduate Research Conference (April 16-20). Lubbock, TX
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Undergraduate Mentor, 2008-2010

Iowa State University, Department of Animal Science

Trisha Grevengoed:

- Presentations:
 - Comparison of sarcoplasmic protein profile of bovine longissimus dorsi and vastus intermedius muscles using a 2D DIGE method
 - Presented at Iowa State Honors College Poster Presentations. April 15, Ames, IA

Jennifer Binning:

- Presentations:
 - Postmortem degradation of desmin in specific muscles from the beef round
 - Presented at American Society of Animal Science, Midwest section. March 16 - 18, Des Moines, IA

Teaching Assistant, 2006-2009

Iowa State University, Department of Animal Science

Courses Taught:

- AN S 270, Foods of Animal Origin

Instructor, 2005-2006

Texas Tech University, Department of Animal and Food Sciences

Courses Taught:

- ANSC 3316, Animal Growth and Development

Teaching Assistant, 2003-2005

Texas Tech University, Department of Animal and Food Sciences

Courses Taught:

- ANSC 3402, Animal Breeding and Genetics
- ANSC 4202, Artificial Insemination

Professional Experience

Assistant Professor of Animal Science, 2013-Present

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology

- Graduate Advisor 2017 - Present
 - Club Advisor
 - SHSU Block and Bridle, 2013 – Present
 - Kats In Support of Shelters, 2015 - Present
 - New Course Development – AGRI 4369, Meat and Muscle Biology
 - Advisement of approximately 80 students per semester
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- Sustain an open door policy for student counseling and advising
- Emphasize writing and communication skills
- Graduate Thesis Committee

Research Experience

Assistant Professor of Animal Science, 2013-Present
Sam Houston State University, Department of Agricultural Sciences

Post-Doctoral Research Associate, 2011-2012
Texas Tech University, Department of Animal and Food Sciences
Advisor: Brad Johnson

Graduate Student, 2006-2011
Iowa State University, Department of Animal Science
Advisor: Elisabeth Huff-Lonergan

Research Aide, 2005-2006
Texas Tech University, Department of Animal and Food Sciences

Graduate Student, 2003-2005
Texas Tech University, Department of Animal and Food Sciences
Advisor: John Blanton Jr.

Research Assistant, 2002
Texas A&M Experiment Station

Lab Assistant, 2001
Texas Tech University, Department of Animal and Food Sciences

Manuscripts

Collins, H. C., J. L. Leatherwood, F. Yildiz, **M. J. Anderson**, N. Walker, and M. M. Beverly. 2018. Development of an Equine Non-Contact Thermography Device. Veterinary Sciences and Medicine. 1 (1), Pages 001-007.

Miller E. F., J. L. Leatherwood, **M. J. Anderson**, and M. M. Beverly. 2018. Approaches in Poultry Dairy & Veterinary Sciences. 3 (3), APDV.000565.2018. DOI: 10.31031/APDV.2018.03.000565

Proske, D. K., J. L. Leatherwood, K. J. Stutts, **M. J. Anderson**, J. A. Coverdale, and C. J. Hammer. 2017. Effects of barefoot trimming and shoeing on the joints of the lower forelimb and hoof morphology of mature horses. The Professional Animal Scientist. 33 (4), Pages 483–489.

- Collins, H., J.L. Leatherwood, F. Yildiz, M.M. Beverly, and **M.J. Anderson**. 2016. Design and Development of a Non-Contact Thermography Device for Equine Research. ASEE Annual Conference & Exposition.
- Hosford, A. D., J. E. Hergenreder, J. K. Kim, J. O. Baggerman, F. R. B. Ribeiro, **M. J. Anderson**, K. S. Spivey, W. Rounds and B. J. Johnson. 2015. Effects of supplemental lysine and methionine with zilpaterol hydrochloride on feedlot performance, carcass merit, and skeletal muscle fiber characteristics in finishing feedlot cattle. *Journal of Animal Science*. 93 (9): 4532-4544.
- Jennings, M. A., F. R. B. Ribeiro, T. R. Young, J. T. Cribbs, B. C. Bernhard, A. D. Hosford, T. L. Harris, **M. J. Anderson**, G. J. Vogel, J. A. Scanga, M. F. Miller, and B. J. Johnson. 2015. Ractopamine hydrochloride and estradiol–trenbolone acetate implants alter live performance and carcass components of heifers during the finishing phase. *Professional Animal Scientist*. 31:543-551.
- Anderson, M. J.**, S. M. Lonergan, and E. Huff-Lonergan. 2014. Differences in phosphorylation of phosphoglucosmutase 1 in beef steaks from the longissimus dorsi with high or low star probe values. *Meat Science*. 96: 379-384.
- Ferrell, K.W., A. Maxwell, F.D. Mills, Jr., **M. J. Anderson**, and J.L. Francis. 2014. Agricultural Literacy and Student Policy Preferences. *NACTA Journal*. 58(Supplement1):25
- Anderson, M. J.**, S. M. Lonergan, C. Fedler, K. Prusa, J. Binning, and E. Huff-Lonergan. 2012. Profile of biochemical traits influencing tenderness of muscles from the beef round. *Meat Science*. 91 (3): 247-254.
- Anderson, M. J.**, S. M. Lonergan, and E. Huff-Lonergan. 2012. Myosin light chain 1 release from myofibrillar fraction during postmortem aging is a potential indicator of proteolysis and improvement in tenderness of beef. *Meat Science*. 90 (2): 345-351.
- Smith, R.M., N.K. Gabler, J.M. Young, W. Cai, N.J. Boddicker, **M.J. Anderson**, E. Huff-Lonergan, J.C.M. Dekkers, and S.M. Lonergan. 2011. Effect of selection for reduced residual feed intake on composition and quality of fresh pork. *Journal of Animal Science*. 89 (1): 192-200.
- Anderson, M. J.**, J. R. Blanton Jr, J. Gleghorn, S. W. Kim, and J. W. Johnson. 2006. *Ascophyllum nodosum* Supplementation Strategies that Improve Overall Carcass Merit of Implanted English Crossbred Cattle. *Asian-Australian Journal of Animal Science*. 19:1514-1518.
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Abstracts

Oral:

Anderson, M.J., B. Behnke, M. B. Fuller, G. Moore, M. M. Beverly, and S.F. Kelley. Student success on different credit attainment pathways. North American Colleges and Teachers of Agriculture Conference. June 18-21. College of Southern Idaho, Twin Falls, ID.

Anderson, M.J., S.F. Kelley, M.M. Beverly, and K.J. Stutts. 2018. Bridging the Gap: A Survey of Student Perception. North American Colleges and Teachers of Agriculture Conference. June 12 – 15. Iowa State University, Ames, IA.

Beverly, M.M., S.F. Kelley, **M.J. Anderson**, and J.P. Cordova. 2018. Shock Value: Media's Momentary Influence on Perceptions of Animal Agricultural Issues. North American Colleges and Teachers of Agriculture Conference. June 12 – 15. Iowa State University, Ames, IA.

Merdian, E.B., D.R. Ullrich, K.J. Stutts, **M.J. Anderson** and M.M. Beverly. 2018. Prevalence of Internal Parasites in the Feral Hog Population of East Texas. Southern Section Animal Science Conference. February 3-6, 2018. Fort Worth, TX.

Sain, M. A., K. J. Stutts, J. K. Suagee-Bedore, **M. J. Anderson**, and J. L. Leatherwood. 2018. Evaluation of a Starter Ration on Growth and Performance of White-Tailed Deer Fawns. Southern Section Animal Science Conference. February 3-6, 2018. Fort Worth, TX.

Anderson, M.J., K. Franks, M.M. Beverly, S.F. Kelley and K.J. Stutts. 2017. The Use of a Therapy Dog to Relieve Test-Taking Anxiety. North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.

Anderson, M.J., S. F. Kelley, M. M. Beverly, and K. J. Stutts. 2017. What we deserve: A survey of student entitlement. American Society of Animal Science Annual Conference. July 8-12, 2017. Baltimore, Maryland.

Urso, P., M. M. Beverly., S. F. Kelley., **M. J. Anderson**, S. Nair, J. Leatherwood, K. Stutts. 2017. The Effects of Olive Pomace As a Wintering Supplement When Analyzing Weight Gain, Consumption Trends, and Costs in Capris Aegagrus Hircus. Southern Section Animal Science Conference. February 4-7, 2017. Franklin, TN.

Urso, P., M. M. Beverly, S. F. Kelley, E. F. Miller, **M. J. Anderson**, and K. J. Stutts. 2017. Difference in opinion of sustainable agriculture concepts between master of science and master of agriculture cohorts. American Society of Animal Science Annual Conference. July 8-12, 2017. Baltimore, Maryland.

- Anderson, M.J.**, J.L. Leatherwood, K. J. Stutts, M. M. Beverly and S. F. Kelley. 2016. Perceptions Concerning Student-Instructor Interaction using the IDEA Student Evaluation. North American Colleges and Teachers of Agriculture Conference. June 21-24. Honolulu, Hawaii.
- Anderson, M.J.**, M. M. Beverly, J.L. Leatherwood, K. J. Stutts, and S. F. Kelley. 2016. Perceptions Concerning Instructor's Attempts to Motivate or Challenge Students Using the IDEA Student Evaluation. North American Colleges and Teachers of Agriculture Conference. June 21-24. Honolulu, Hawaii.
- Leatherwood, J.L., M.M. Beverly, **M.J. Anderson**, K.J. Stutts, and S.F. Kelley. 2016. Outcomes and experiences of students participating in an international horsemanship program. North American Colleges and Teachers of Agriculture Conference. June 21-24. Honolulu, Hawaii.
- Stutts, K.J., S.F. Kelley, J.L. Leatherwood, M.M. Beverly, and **M.J. Anderson**. 2016. Perceptions of a diverse student population on animal agriculture. North American Colleges and Teachers of Agriculture Conference. June 21-24. Honolulu, Hawaii.
- Pritchett, K.B., J.L. Leatherwood, K.J. Stutts, and **M.J. Anderson**. 2016. Use of ultrasonography to evaluate the accuracy of objective and subjective measures of body composition in horses. American Society of Animal Science – Southern Section. February 6-9. San Antonio, Texas.
- Proske, D.K., K.J. Stutts, J.L. Leatherwood, C.J. Hammer, J.A. Coverdale, and **M.J. Anderson**. 2016. Effects of shoeing on the joints of the lower forelimb and hoof morphology of mature horses. American Society of Animal Science – Southern Section. February 6-9. San Antonio, Texas.
- Collins, H.C. J.L. Leatherwood, **M.J. Anderson**, M.M. Beverly, F.X. Yildiz, and K.J. Stutts. 2016. Development of an equine non-contact thermography device: Evaluation of thermal expression on multiple sites of the horse as an indicator of body temperature. American Society of Animal Science – Southern Section. February 6-9. San Antonio, Texas.
- Collins, H.C. J.L. Leatherwood, **M.J. Anderson**, M.M. Beverly, F.X. Yildiz, N. L. Walker and K.J. Stutts. 2016. Development of an equine non-contact thermography device: Relationship of ocular and rectal temperatures to indicators of health status in horses. American Society of Animal Science – Southern Section. February 6-9. San Antonio, Texas.
- Lane, Robert A. and **M.J. Anderson**. 2016. Pasture Herbicide Effects on Crimson and White Clover. American Forage and Grassland Conference. January 12. Baton Rouge, LA.
- Anderson, M.J.**, J.L. Leatherwood, S. F. Kelley, M. M. Beverly, and K. J. Stutts. 2015. Evaluation of multiple sections of a single animal science course for consistency of instruction quality. North American Colleges and Teachers of Agriculture Conference. June 16-20. Athens, Georgia.
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- Ferrell, K. W., T. R. Pannkuk, **M. J. Anderson**, and S. F. Kelley. 2015. SAFE: A Program Development Initiative to Address Sustainable Agriculture and Food Environment Opportunities. North American Colleges and Teachers of Agriculture Conference. June 16-20. Athens, Georgia.
- Knight, C.D., J.L. Leatherwood, **M.J. Anderson**, S. Brinsko, and T. Blanchard. 2015. Influence of plasma leptin concentrations on predicting post-partum anestrus in mares. Elliot T. Bowers Undergraduate Research Symposium. April 25. Huntsville, Texas.
- Urso, P., M.M. Beverly, S.F. Kelley, J. Wilson, J.L. Leatherwood, **M.J. Anderson**, K.J. Stutts. 2015. Behavioral responses of livestock exposed to unmanned aerial systems. American Society of Animal Science Joint Annual Meeting. July 12-16. Orlando, Florida.
- Anderson, M. J.**, S. F. Kelley, K. J. Stutts, M. M. Beverly, and J. L. Lucia. 2014. Performance of incoming freshman students with different admission statuses. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, MT.
- Anderson, M. J.**, J. L. Lucia, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2014. Changes in the perceptions of students involved in a traditional meat science course. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.
- Anderson, M.J.**, J.L. Lucia, K.J. Stutts, M.M. Beverly and S.F. Kelley. Relationship of ocular and rectal temperatures to indicators of stress in mature horses. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.
- Carlson, K.S., **M.J. Anderson**, and J.L. Lucia. 2014. Influence of ambient temperature and relative humidity on exercise performance in young horses. Elliot T. Bowers Undergraduate Research Symposium in Huntsville, TX.
- Carlson, K.S., **M.J. Anderson**, K.N. Walter, and J.L. Lucia. 2014. Influence of ambient temperature on exercise performance in young horses. Southern Section of American Society of Animal Science. Feb. 2-3 in Dallas, TX.
- Lucia, J.L, E.D. Lamprecht, **M.J. Anderson**, K.J. Stutts, M.M. Beverly, S.F. Kelley, and D.L. Parker. 2014. Influence of diet fortification on mature horses at maintenance: Performance Characteristics. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.
- Lucia, J., **M.J. Anderson**, K.W. Walter, K.J. Stutts, M.M. Beverly, and S.F. Kelley. 2014. Influence of Ambient Temperature and Relative Humidity on Recovery from Exercise in Young Horses. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.
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Swyden, J.A., J.L. Lucia, **M.J. Anderson**, and K.J. Stutts. Effect of omega-3 fatty acid supplementation on joint inflammation of young horses. Elliot T. Bowers Undergraduate Research Symposium.

Anderson, M. J., S. F. Kelley, K. J. Stutts, M. M. Beverly, and J. L. Lucia. 2014. Performance of incoming freshman students with different admission statuses. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, MT.

Anderson, M. J., J. L. Lucia, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2014. Changes in the perceptions of students involved in a traditional meat science course. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.

Carlson, K.S., **M.J. Anderson**, K.N. Walter, and J.L. Lucia. 2014. Influence of ambient temperature on exercise performance in young horses. American Society of Animal Science, Southern Section Meeting. February 1-3 Dallas, TX.

Anderson, M. J., K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2013. Predicting the quality of an undergraduate course using the IDEA survey. North American Colleges and Teachers of Agriculture Conference. June 25-29, Blackburg, VA.

S. M. Wyatt, **M. J. Anderson**, S. F. Kelley, M. M. Beverly, K. J. Stutts and J. L. Lucia. 2013. Effect of Background Experience on Student Perceptions of Ethical Issues in Animal Science. North American Colleges and Teachers of Agriculture Conference. June 25-29, Blackburg, VA.

Anderson, M. J., K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2013. Predicting instructor quality in undergraduate animal science courses using the IDEA survey. American Society of Animal Science, Annual Joint Meeting. July 8-12, Indianapolis, IN.

Anderson, M. J., K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2013. Predicting the quality of an undergraduate animal science course using the IDEA survey. American Society of Animal Science, Annual Joint Meeting. July 8-12, Indianapolis, IN.

Hergenreder, J. E., **M. J. Anderson**, L. D. Luque, P. D. Bass, W. Nichols, R. J. Delmore, J. L. Beckett, and B. J. Johnson. 2013. Predicting percent empty body fat in calf-fed Holstein steers using carcass measurements. American Society of Animal Science, Annual Joint Meeting. July 8-12, Indianapolis, IN.

Hosford, A. D., W. Rounds, J. E. Hergenreder, **M. J. Anderson**, A. Jennings, T. L. Harris, S. N. Aragon, and B. J. Johnson. 2013. Effects of supplemental lysine and methionine with zilpaterol hydrochloride on feedlot performance, carcass characteristics on finishing feedlot cattle. American Society of Animal Science, Annual Joint Meeting. July 8-12, Indianapolis, IN.

Hosford, A. D., W. Rounds, J. E. Hergenreder, **M. J. Anderson**, A. Jennings, T. L. Harris, S. N. Aragon, and B. J. Johnson. 2013. Effects of supplemental lysine and methionine with zilpaterol hydrochloride administration on finishing feedlot cattle tenderness. American Society of Animal Science, Annual Joint Meeting. July 8-12, Indianapolis, IN.

Smith, R. M., J. M. Young, **M. J. Anderson**, R. C. Johnson, E. Huff-Lonergan, J. Dekkers, and S. M. Lonergan. 2009. Influence of selection for reduced residual feed intake on pork quality. American Society of Animal Science, Midwest section. March 16 - 18, Des Moines, IA.

Anderson, M. J., R. M. Smith, J. Viguera, E. Huff-Lonergan, and S. M. Lonergan. 2008. Correlation of pork texture characteristics determined using different instrumental texture analysis methods. American Society of Animal Science, Annual Joint Meeting. July 7-11, Indianapolis, IN.

Smith, R. M., **M. J. Anderson**, J. Viguera, E. Huff-Lonergan, and S. M. Lonergan. 2008. Mapping quality attributes within the pork loin. ASAS, Annual Joint Meeting. July 7-11, Indianapolis, IN.

Anderson, M. J., Lonergan, S. M., & Huff-Lonergan, E. (2007). Round muscle profiling of tenderness and postmortem proteolysis. *Journal of Animal Science*, 85, 380-381.

Anderson, M. J., K. Mou, E. Steadham, C. Fedler, K. Prusa, S.M. Lonergan, and E. Huff-Lonergan. 2007. Round Muscle Profiling: Influence of aging on palatability of specific wholesale round cuts. Proceedings, 60th Reciprocal Meat Conference, June 17-20, South Dakota State University, Brookings, SD.

Anderson, M. J., Johnson, J. W., Kim, S., Miller, M., Brooks, C., Gleghorn, J., Woerner, D., Vineyard, Z., Byrd, J., Palmore, W., Jaks, M., Teague, M., & Blanton, J. (2005). Effects of feeding ascophyllum nodosum supplementation in finishing cattle diets to improve overall quality grades. *Journal of Animal Science*, 83, 4-4.

Poster:

Anderson, M.J., J. Suagee-Bedore, D. Ullrich, K. J. Stutts, M. M. Beverly, and S.F. Kelley. Assessment of student preparation in job interview readiness skills in agriculture. North American Colleges and Teachers of Agriculture Conference. June 18-21. College of Southern Idaho, Twin Falls, ID.

Anderson, M.J., B. Behnke, S.F. Kelley, and M. M. Beverly. Transfer students: Differences in future success. North American Colleges and Teachers of Agriculture Conference. June 18-21. College of Southern Idaho, Twin Falls, ID.

Anderson, M. J., and S. S. Nair. 2018. Searching for Success: Rethinking Graduate Admissions. North American Colleges and Teachers of Agriculture Conference. June 12 – 15. Iowa State University, Ames, IA.

Anderson, M. J., M. M. Beverly, S. F. Kelley, and K. J. Stutts. 2018. Great Expectations or Pride and Prejudice: A Survey of Student Perception. North American Colleges and Teachers of Agriculture Conference. June 12 – 15. Iowa State University, Ames, IA.

Anderson, M.J., L. Ramagli, M.M. Beverly and J.L. Leatherwood. 2018. The Effectiveness of the Parelli Horsenality Profiling System in Determining Suitability of Horses for Therapeutic Riding Programs. American Society of Animal Science Annual Conference. July 7-11, 2018. Vancouver, Canada.

Urso, P., J. Kim, J. Legako, M. M. Beverly, S. F. Kelley, **M. J. Anderson**, K. Wellman and B. J. Johnson. 2018. The effects of supplementing olive pomace on serum and tissue fatty acid composition in Spanish goats. American Society of Animal Science Annual Conference. July 7-11, 2018. Vancouver, Canada.

Stutts, K.J., E. Brindza, **M. J. Anderson**, and C. Stewart. 2018. Growth and development of bottle-fed white-tailed deer (*Odocoileus virginianus*) fawns consuming different milk replacers. American Society of Animal Science Annual Conference. July 7-11, 2018. Vancouver, Canada.

Anderson, M.J., K. Franks, M. M. Beverly, S. F. Kelley, and K. J. Stutts. 2017. Paws for a Cause: Stress relief using therapy dogs. American Society of Animal Science Annual Conference. July 8-12, 2017. Baltimore, Maryland.

Urso, P., M. M. Beverly, S. F. Kelley, **M. J. Anderson**, and K. J. Stutts. 2017. The effects of supplementing ad libitum olive pomace on serum fatty acid composition in Spanish goats. American Society of Animal Science Annual Conference. July 8-12, 2017. Baltimore, Maryland.

Miller, E.F., J. L. Leatherwood, **M. J. Anderson**, and M. M. Beverly. 2017. The effect of conjugated linoleic acid supplementation on fat deposition and lean muscle mass in horses. American Society of Animal Science Annual Conference. July 8-12, 2017. Baltimore, Maryland.

Stutts, K.J., C. E. Lindsey, **M. J. Anderson**, J. L. Leatherwood, S. F. Kelley, and M. M. Beverly. 2017. Influence of conjugated linoleic acid supplementation on body composition of growing pigs. American Society of Animal Science Annual Conference. July 8-12, 2017. Baltimore, Maryland.

Evers, E.E., K.J. Stutts, J.L. Leatherwood, C.R. Stewart, C.J. Hammer, and **M.J. Anderson**. 2017. Evaluation of passive transfer immunity and predicting survivability in newborn white-tailed deer fawns. American Society of Animal Science Annual Meeting, July 8-12, Baltimore, MD.

Anderson, M.J., K.J. Stutts, M.M. Beverly and S.F. Kelley. 2017. Assessment of Academic Achievement of Students in a Pre-Veterinary Cohort North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.

- Anderson, M.J.**, P.M. Urso, M.M. Beverly, S.F. Kelley, K.J. Stutts and F.J. Aniol. 2017. Student Perspectives Regarding Human Health after a Contemporary Animal Issues Course. North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.
- Urso, P., M.M. Beverly, S.F. Kelley, **M.J. Anderson**, K.J. Stutts and F.J. Aniol. 2017. Student Perspectives after Watching Documentaries in a Contemporary Animal Issues Course. North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.
- Beverly, M.M., P.M. Urso, S.F. Kelley, **M.J. Anderson**, K.J. Stutts and F.J. Aniol. 2017. Ethical Viewpoints of Students in a Contemporary Animal Issues Course After Viewing Documentaries. North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.
- Beverly, M.M., P.M. Urso, S.F. Kelley, **M.J. Anderson**, K.J. Stutts and F.J. Aniol. 2017. Gender Differences on Environmental Issues after a Contemporary Animal Issues Course. North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.
- Kelley, S.F., P.M. Urso, M.M. Beverly, **M.J. Anderson**, K.J. Stutts and F.J. Aniol. 2017. Student Perspectives of Environmental Issues after a Course in Contemporary Animal Issues. North American Colleges and Teachers of Agriculture Conference. June 28 - July 1. Purdue University, West Lafayette, IN.
- Urso, P.M., Beverly, M.M., S. F. Kelley, **M. J. Anderson**, K. J. Stutts, and F.J. Aniol. 2017. Student perspectives on food products after watching documentaries in a contemporary animal issues course. North American Colleges and Teachers of Agriculture Conference, June 28-July 1, West Lafayette, IN.
- Miller, E.F., J. L. Leatherwood, **M. J. Anderson**, and M. M. Beverly. 2017. Evaluation of CLA supplementation on Equine Body Composition. Agricultural Consortium of Texas Research Symposium. April 13th. Huntsville, TX.
- Urso, P.M., M. M. Beverly, S. F. Kelley, **M. J. Anderson**, J. L. Leatherwood, and K. Stutts. 2017. The Effects of Supplementing *ad libitum* Olive Pomace on Serum Fatty Acid Composition in Spanish Goats. Agricultural Consortium of Texas Research Symposium. April 13th. Huntsville, TX.
- L. Emley, A. Seber, J. Hitchcock, **M. J. Anderson**, and S. Nair. 2017. Does Class Time Influence Student Performance? Agricultural Consortium of Texas Research Symposium. April 13th. Huntsville, TX.
- E. E. Evers, K. J. Stutts, J. L. Leatherwood, C. R. Stewart, C. J. Hammer, and **M. J. Anderson**. 2017. Evaluation of Passive Transfer Immunity and Predicting Survivability in Newborn White-Tailed Deer Fawns. Agricultural Consortium of Texas Research Symposium. April 13th. Huntsville, TX.
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- Behrens-Russell, H.N., M. T. McCluskey, E. F. Miller, J. L. Leatherwood, **M. J. Anderson**, and M.M. Beverly. 2017. Determination of the Maximum Inclusion Rate of CLA in an Equine Model. Agricultural Consortium of Texas Research Symposium. April 13th. Huntsville, TX.
- Davis, E., K. Marks, K. Fogelquist, **M. J. Anderson**, and S. Nair. 2017. Impact of an Animal Science Course on Student's Perception on Animal Issues. Sam Houston State University Undergraduate Research Symposium. April 29th. Huntsville, TX.
- Seber, A., J. Hitchcock, L. Emly, **M. J. Anderson**, and S. Nair. 2017. Does Class Time Influence Student Performance? Sam Houston State University Undergraduate Research Symposium. April 29th. Huntsville, TX.
- Behrens-Russell, H.N., M. T. McCluskey, E. F. Miller, J. L. Leatherwood, **M. J. Anderson**, and M.M. Beverly. 2017. Determination of the Maximum Inclusion Rate of CLA in an Equine Model. Sam Houston State University Undergraduate Research Symposium. April 29th. Huntsville, TX.
- Anderson, M.J.**, S. F. Kelley, M. M. Beverly, J.L. Leatherwood, and K. J. Stutts. 2016. Effect of teaching platform on student performance and motivation. North American Colleges and Teachers of Agriculture Conference. June 21-24. Honolulu, Hawaii.
- Anderson, M.J.**, S. F. Kelley, M. M. Beverly, K. J. Stutts, and J.L. Leatherwood. 2016. The effect of student motivation on performance in online exams. North American Colleges and Teachers of Agriculture Conference. June 21-24. Honolulu, Hawaii.
- E. E. Evers, **M. J. Anderson**, and T. Pannkuk. 2016. Consumers of Texas Alternative Agriculture: A Brief Study of Preferences and Beliefs. American Society of Horticultural Science Conference. August 8-12. Atlanta, Georgia.
- E. E. Evers, **M. J. Anderson**, and T. Pannkuk. 2016. Producers of Texas Alternative Agriculture: A Brief Study of Beliefs. American Society of Horticultural Science Conference. August 8-12. Atlanta, Georgia.
- E. E. Evers, **M. J. Anderson**, and T. Pannkuk. 2016. Texas Alternative Agriculture: A Brief Comparison of the Beliefs of Consumers and Producers. American Society of Horticultural Science Conference. August 8-12. Atlanta, Georgia.
- Beverly, M.M., S. F. Kelley, P. Urso, **M. J. Anderson**, J. L. Leatherwood and K. J. Stutts. 2016. Student perspectives on agricultural study abroad programs. Joint Annual Meeting - American Society of Animal Science. July 19 – 23. Salt Lake City, UT.
- Proske, D.K., J.L. Leatherwood, K.J. Stutts, C.J. Hammer, J.A. Coverdale, and **M.J. Anderson**. 2016. Effects of trimming and shoeing on the lower forelimb: joint inflammation. Joint Annual Meeting - American Society of Animal Science. July 19 – 23. Salt Lake City, UT.
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Proske, D.K., J.L. Leatherwood, K.J. Stutts, C.J. Hammer, J.A. Coverdale, and **M.J. Anderson**. 2016. Effects of trimming and shoeing on the lower forelimb: hoof morphology. Joint Annual Meeting - American Society of Animal Science. July 19 – 23. Salt Lake City, UT.

Leatherwood, J.L., D.L. Parker, **M.J. Anderson**, K.J. Stutts, M.M. Beverly, and S.F. Kelley. 2016. Characterizing the physiological response of a novel vaccine in mature horses. Joint Annual Meeting - American Society of Animal Science. JULY 19 – 23. Salt Lake City, UT.

Surman, A., C. Smith, N. Weisiger, **M. J. Anderson**, and S. Nair. 2016. Economics of Meat Quality. 6th Annual Agricultural Consortium of Texas Research Symposium. March 31. Stephenville, TX.

Anderson, M. J., J. L. Leatherwood, M. M. Beverly, K. J. Stutts, and S. F. Kelley. 2015. Relationship between course performance and graduation rates of animal science majors. American Society of Animal Science Joint Annual Meeting. July 12-16. Orlando, Florida.

Anderson, M. J., J. L. Leatherwood, K. Jones, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2015. Relationship between training difficulty and aggression in horses. American Society of Animal Science Joint Annual Meeting. July 12-16. Orlando, Florida.

Anderson, M. J., J.L. Leatherwood, S. F. Kelley, M. M. Beverly, and K. J. Stutts. 2015. Performance of incoming freshman students with different ethnicities and genders. North American Colleges and Teachers of Agriculture Conference. June 16-20. Athens, Georgia.

Beverly, M.M., S.F. Kelley, **M.J. Anderson**, F. Mills, and S. Frey. 2015. Change in Student Values after Completing an Academic Community Engagement Course. North American Colleges and Teachers of Agriculture Annual Conference. June 16-20, 2015. Athens, Georgia.

Collins, H.C., J.L. Leatherwood, **M.J. Anderson**, M.M. Beverly, F. X. Yildiz, N. L. Walker, and K. B. Pritchett. 2015. Relationship of ocular and rectal temperatures to indicators of health status in horses. Equine Science Society Meeting. May 26-29. St. Pete Beach, Florida.

Knight, C.D., J.L. Leatherwood, **M.J. Anderson**, S. Brinsko, and T. Blanchard. 2015. Influence of mare performance on predicting post-partum anestrus. Agricultural Consortium of Texas Research Symposium. April 2. San Marcos, TX.

Leatherwood, J.L., E. D. Lamprecht, **M. J. Anderson**, K. J. Stutts, M. M. Beverly, S. F. Kelley, and D. L. Parker. 2015. Influence of alpha-linolenic acid supplementation in mature horses at maintenance: Performance characteristics. American Society of Animal Science Joint Annual Meeting. July 12-16. Orlando, Florida.

Leatherwood, J.L., **M.J. Anderson**, K.R. Jones, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2015. Relationship between Trainability and Herd Aggression of Horses Utilized in an Undergraduate Equine Behavior Course. North American Colleges and Teachers of Agriculture Annual Conference. June 16-20, 2015. Athens, Georgia.

Pasket, M., D. Pavelock, **M. J. Anderson** and D. Ullrich. 2015. Are Judges Biased During Competitive FFA Events When Using Subjective Criteria? North American Colleges and Teachers of Agriculture Annual Conference. June 16-20, 2015. Athens, Georgia.

Pritchett, K.B., J. L. Leatherwood, B. Vandergrift, **M. J. Anderson**, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2015. Influence of omega-3 polyunsaturated fatty acid supplementation on plasma prostaglandin E2 production in young exercising horses. Equine Science Society Meeting. May 26-29. St. Pete Beach, Florida.

Stutts, K. J., J. L. Leatherwood, C. R. Stewart, **M. J. Anderson**, M. M. Beverly, S.F. Kelley. 2015. Evaluation of factors affecting pregnancy rate to AI in pen-raised white-tailed deer. American Society of Animal Science Joint Annual Meeting. July 12-16. Orlando, Florida.

Stutts, K. J., G. G. Vann, **M. J. Anderson**, J. L. Leatherwood, M. M. Beverly, S. F. Kelley. 2015. Influence of CLA supplementation on body composition of finished pigs. American Society of Animal Science Joint Annual Meeting. July 12-16. Orlando, Florida.

Wagner, A, **M. J. Anderson**, and C. Stewart. 2015. Effect of aging on the loin of the Scimitar Horned Oryx. Elliot T. Bowers Undergraduate Research Symposium. April 25. Huntsville, Texas.

Anderson, M. J., M. M. Beverly, S. F. Kelley, J. L. Lucia, and K. J. Stutts. 2014. Relationship between IDEA scores and grade distribution in agriculture classes. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, Montana.

Anderson, M. J., J. L. Lucia, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2014. Predicting instructor quality in undergraduate agriculture courses using the IDEA survey. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, Montana.

Anderson, M. J., J. L. Lucia, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2014. Predicting overall course quality in undergraduate agriculture courses using the IDEA survey. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, Montana.

Anderson, M. J., J. L. Lucia, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2014. Changes in the perceptions of students involved in a traditional meat science course. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.

- Ferrell, K.W., A. Maxwell, F.D. Mills, Jr., **M. J. Anderson**, and J.L. Francis. 2014. Agricultural Literacy and Student Policy Preferences. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, Montana.
- Lane, R. A. and **M. J. Anderson**. 2014. Pasture Herbicide Residue Effects on Crimson Clover. American Society of Agronomy. Long Beach, CA.
- Lucia, J. L., **M.J. Anderson**, K.J. Stutts, M.M. Beverly, and S.F. Kelley. 2014. Undergraduate Student Perceptions on the Scope of Employment Dynamics within the Equine Industry. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, Montana.
- Stutts, K. J., J.L. Lucia, M. M. Beverly, **M. J. Anderson**, and S.F. Kelley. 2014. Comparison of ultrasound transducers to determine rump fat thickness in mature horses at maintenance. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.
- Stutts, K. J., J.L. Lucia, M. M. Beverly, **M. J. Anderson**, and S.F. Kelley. 2014. Evaluation of a disposition scoring system in pen-raised white-tailed deer. American Society of Animal Science Joint Annual Meeting. July 20-24. Kansas City, Missouri.
- Stutts, K.J., M.M. Beverly, **M.J. Anderson**, J.L. Lucia, and S.F. Kelley. 2014. Effectiveness of a Residential Summer Camp in Promoting STEM Education and Careers. North American Colleges and Teachers of Agriculture Conference. June 25 - 28. Bozeman, Montana.
- Anderson, M. J.**, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2013. Predicting instructor quality in undergraduate courses using the IDEA survey. North American Colleges and Teachers of Agriculture Conference. June 25-29, Blacksburg, VA.
- Anderson, M. J.**, K. J. Stutts, M. M. Beverly, and S. F. Kelley. 2013. Evaluation of relationships between questions on the IDEA survey for university and animal science courses. American Society of Animal Science, Annual Joint Meeting. July 8-12, Indianapolis, IN.
- Hosford, A. D., **M. J. Anderson**, J. E. Hergenreder, T. L. Harris, and B. J. Johnson. 2013. Zilpaterol hydrochloride increases phosphorylation and activation of adenosine monophosphate protein kinase α in bovine skeletal muscle. Reciprocal Meat Conference. June 16-19. Auburn, AL.
- Anderson, M. J.**, S.M. Lonergan, and E. Huff-Lonergan. 2010. A potential relationship between myosin light chain and instrumental tenderness. Reciprocal Meat Conference. June 20-23, Lubbock, TX.
- Anderson, M. J.**, S.M. Lonergan, and E. Huff-Lonergan. 2009. Proteomic analysis of bovine muscles during aging. Reciprocal Meat Conference. June 21-24, Rodgers, AR.
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Binning, J. M., **M. J. Anderson**, S. M. Lonergan, and E. Huff-Lonergan. 2009. Postmortem degradation of desmin in specific muscles from the beef round. American Society of Animal Science, Midwest section. March 16 - 18, Des Moines, IA.

Anderson, M. J., K. Mou, E. Steadham, C. Fedler, K. Prusa, S.M. Lonergan, and E. Huff-Lonergan. 2008. Influence of fiber type on palatability attributes of beef round muscles. American Society of Animal Science, Annual Joint Meeting. July 7-11, Indianapolis, IN.

Anderson, M. J., Mou, K., Gregorich, C., Steadham, E., & Lonergan, S. M. (2007). Proteolysis, calpastatin activity, and mu-calpain autolysis in specific muscles from the beef round. *Journal of Animal Science*, 85, 80-80.

Anderson, M. J., Johnson, J. W., Blanton, J. R., & Kim, S. W. (2005). Comparison of modern commercial and low cholesterol swine crosses on performance characteristics. *Journal of Animal Science*, 83, 23-23.

Academic Manuals:

Author of:

Meat Science – Course Manual for ANSC 3376
Animal Science - Course Manual for ANSC 1319
Growth and Performance - Course Manual for ANSC 4310
Anatomy and Physiology - Course Manual for ANSC 3363
Meat and Muscle Biology – Course Manual for ANSC 3377

Service

Industry Service:

- SHSU Department of Agricultural Sciences Graduate Coordinator 2017- Present
- Junior Breeding Heifer Assistant Superintendent – Star of Texas Fair and Rodeo. 2013 - Present.
- Area IX FFA Career Development Events – Poultry Judging Contest – Coordinator. 2013 - Present.

Professional Organizations

American Society of Animal Science
American Meat Science Association
North American Colleges and Teachers of Agriculture

Professional Meetings Annually Attended:

American Society of Animal Science Joint National Meeting
Reciprocal Meats Conference
American Society of Animal Science Sectional Meeting
North American Colleges and Teachers of Agriculture

Honors and Accomplishments

NACTA Educator Award (2018)

NACTA Teaching Award of Merit (2014)

Selected by graduating students as contributing to their success and development (2013)

2nd place AMSA Graduate Student Poster Competition, Ph. D Division (2009)

Iowa Barbeque Society Meat Science Scholarship recipient (2009)

Graduate Award for Outstanding Teaching (2008)

HACCP Certified (2006)

3rd place ASAS Southern Section Graduate Student Competition (2005)

Artificial Insemination Certification (2003)
