

SHELBY L. ROSASCO

Assistant Professor, Beef Extension Specialist

University of Wyoming

Department of Animal Science

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ACADEMIC BACKGROUND:

Ph.D	2020	New Mexico State University, Animal Science (Reproductive Physiology) <i>Effects of management strategies during pre-breeding development on growth, reproduction, and ovarian function in beef heifers</i>
M.S.	2016	New Mexico State University, Animal Science (Reproductive Physiology) <i>Effects of increased nutrient intake on growth, reproduction, and productivity of beef heifers</i>
B.S.	2012	California State University, Fresno, Agricultural Education

PROFESSIONAL EXPERIENCE:

11/2020 - Present	Assistant Professor, Beef Extension Specialist , Department of Animal Science, University of Wyoming, Laramie, WY (60% extension, 25% research, 12.5% teaching, 2.5% Service)
2017 - 2020	Graduate Research and Teaching Assistant , Department of Animal and Range Science, New Mexico State University, Las Cruces, NM
2020(fall)	Visiting Graduate Student Researcher , Reproduction Research Unit, U.S. Meat Animal Research Center, USDA ARS, Clay Center, NE
2017(spring)	Visiting Graduate Student Researcher , Reproduction Research Unit, U.S. Meat Animal Research Center, USDA ARS, Clay Center, NE
2014 - 2016	Graduate Research and Teaching Assistant , Department of Animal and Range Science, New Mexico State University, Las Cruces, NM

REFEREED JOURNAL PUBLICATIONS:

1. Melchior, E. A., **S. L. Rosasco**, J. C. Wenzel, S. H. Cox, R. L. Dunlap, S. L. Lodge-Ivey, T. N. Andrews, A. B. Tamez, A. F. Summers, P. H. Walz, S. M. Falkenberg, M. R. Blanding, J. P. Pollreisz, D. W. Scruggs, and E. J. Scholljegerdes. 2025. Evaluation of humoral and cell mediated responses, reproductive performance, and herd longevity of cows grazing native rangeland when vaccinated with a modified-live viral or killed viral vaccine against bovine viral diarrhea virus. *J. Anim. Sci. Submitted*
2. Cushman, R. A., **S. L. Rosasco**, K. L. McCarthy, A. P. Snider, G. A. Perry, and C. A. Lents. 2025. Advances in our understanding of the estrous cycle and applications for improving targeted reproductive management in livestock. *Domest. Anim. Endocrinol.* 91:106912.

doi.org/10.1016/j.domaniend.2025.106912

3. Kaps, M., L. K. Quail, **S. L. Rosasco**, A. P. Snider, S. M. Zoca, K. M. Epperson, J. J. J. Rich, J. R. Miles, M. S. Crouse, B. N. Keel, A. F. Summers, G. A. Perry, C. A. Lents, and R. A. Cushman. 2025. Extended window of maternal recognition as a potential factor for improved reproductive performance in Angus beef heifers with high antral follicle counts. *Biol. Reprod.* 112:130-139. doi.org/10.1093/biolre/ioae146
4. Snider, A. P., H. K. Yake, C. D. Granger, **S. L. Rosasco**, T. G. McDanel, W. M. Snelling, C. C. Chase Jr., J. R. Miles, C. A. Lents, L. K. Quail, J. J. J. Rich, K. M. Epperson, M. S. Crouse, A. F. Summers, G. A. Perry, G. L. Bennett, and R. A. Cushman. 2023. Polymorphism of the Follicle Stimulating Hormone Receptor does not impact reproductive performance or in-vitro embryo production in beef heifers. *Theriogenology*. 195:131-137. doi.org/10.1016/j.theriogenology.2022.10.025.
5. **Rosasco, S. L.**, E. A. Melchior-Tiffany, C. J. Kassetas, S. H. Cox, R. L. Dunlap, J. A. Hernandez Gifford, E. J. Scholljegerdes, and A. F. Summers. 2022. Effects of administration of a growth promoting implant during the suckling phase or at weaning on growth, reproduction, and ovarian development in replacement heifers grazing native range. *J. Anim. Sci.* 100:1-11. doi.org/10.1093/jas/skac170.
6. Snider, A. P., M. S. Crouse, **S. L. Rosasco**, K. M. Epperson, E. J. Northrop-Albrecht, J. J. J. Rich, C. C. Chase Jr., J. R. Miles, G. A. Perry, A. F. Summers, R. A. Cushman. 2022. Greater numbers of antral follicles in the ovary are associated with increased concentrations of glucose in uterine luminal fluid of beef heifers. *Anim. Reprod. Sci.* 239:106968. doi.org/10.1016/j.anireprosci.2022.106968.
7. Cushman, R. A., É. M. Soares, H. K. Yake, A. L. Patterson, **S. L. Rosasco**, J. K. Beard, E. J. Northrop, J. J. J. Rich, J. R. Miles, C. C. Chase, M. G. Gonda, G. A. Perry, A. K. McNeel, and A. F. Summers. 2019. Brangus cows have ovarian reserve parameters more like Brahman than Angus cows. *Anim. Reprod. Sci.* 209:106170. doi.org/10.1016/j.anireprosci.2019.106170.
8. **Rosasco, S. L.**, J. K. Beard, D. M. Hallford, and A. F. Summers. 2019. Evaluation of estrous synchronization protocols on ewe reproductive efficiency and profitability. *Anim. Reprod. Sci.* 210:106191. doi.org/10.1016/j.anireprosci.2019.106191.
9. Tenley, S.C., R. S. Gomes, **S. L. Rosasco**, E. J. Northrop, J. J. Rich, A.K. McNeel, A. F. Summers, J. R. Miles., C. C. Chase Jr, C. A. Lents, and G. A. Perry. 2019. Maternal age influences the number of primordial follicles in the ovaries of yearling Angus heifers. *Anim. Reprod. Sci.* 200:105-112. doi.org/10.1016/j.anireprosci.2018.12.004.
10. Summers, A. F., **S. L. Rosasco**, and E. J. Scholljegerdes. 2018. BEEF SPECIES-RUMINANT NUTRITION CACTUS BEEF SYMPOSIUM: Influence of management decisions during heifer development on enhancing reproductive success and cow longevity. *J. Anim. Sci.* 97: 1407-1414. doi.org/10.1093/jas/sky440.

IN PREPARATION:

1. **Rosasco, S. L.**, E. A. Melchior, S. H. Cox, R. L. Dunlap, J. A. Hernandez Gifford, G. A. Perry, E. J. Scholljegerdes, R. A. Cushman, and A. F. Summers. 2025. Effect of stair-step nutritional programming on growth, reproduction, and ovarian development in replacement beef heifers. *J. Anim. Sci.* (*In Preparation*)
2. **Rosasco, S. L.**, L. K. Quail, A. P. Snider, M. S. Crouse, J. R. Miles, B. L. Woodbury, G. A. Perry, K. L. McCarthy, E. J. Scholljegerdes, R. A. Cushman, and A. F. Summers. Validation of the use of ultrasonography for antral follicle count to predict the size of the ovarian reserve in beef heifers and ideas for advancement of the technology. (*In Preparation*)
3. Mills, B. D., C. D. Bedke, M. A. Shults, A. P. Snider, R. A. Cushman, H. C. Cunningham-

- Hollinger, and **S. L. Rosasco**. Influence of antral follicle classification on the reproductive tract microbiome and uterine health in beef heifers. (*In Preparation*)
4. **Rosasco, S. L.**, L. H. Schmitz, S. H. Cox, R. C. Dunlap, D. M. Hallford, A. F. Summers, and E. J. Scholljegerdes. Effects of growth-promoting implants administered during the suckling phase on growth, conception rates, and longevity in replacement beef heifers grazing native range. (*In Preparation*)

REVIEWED PROCEEDINGS:

1. **Rosasco, S. L.** 2024. Nutritional Management of Replacement Heifers. Proceedings, NDSU Reproductive Strategies: Synchronization, Heifer and Cow Herd Management. Dickinson, ND. (*Invited Proceedings*)
2. **Rosasco, S.** 2024. Nutritional management of replacement heifers for reproductive success. Proceedings, Applied Reproductive Strategies in Beef Cattle Meeting. Athens, GA. (*Invited Proceedings*)
3. **Rosasco, S. L.** and K. L. McCarthy. 2023. Managing Reproductive Efficiency-Systems Approach. Proceedings, Range Beef Cow Symposium. Loveland, CO. (*Invited Proceedings*)
4. **Rosasco, S. L.** 2023. Best management practices for successful artificial insemination. Proceedings, NDSU Reproductive Strategies: Synchronization, Heifer and Cow Herd Management. Dickinson, ND (Virtual). (*Invited Proceedings*)
5. **Rosasco, S.** and P. Moriel. 2023. Management Strategies to Enhance Fertility and Longevity in Replacement Heifers. Proceedings, Applied Reproductive Strategies in Beef Cattle Meeting. Cheyenne, WY. (*Invited Proceedings*)
6. **Rosasco, S. L.** 2022. Nutritional management of replacement heifers. Proceedings, NDSU Reproductive Strategies: Replacement Heifer Synchronization and Cow Herd Management Meeting. Dickinson, ND. (*Invited Proceedings*)
7. **Rosasco, S.** and P. Moriel. 2022. Nutritional Strategies for developing replacement *Bos taurus* and *Bos indicus*-influenced heifers. Proceedings, Applied Reproductive Strategies in Beef Cattle Meeting. San Antonio, TX. (*Invited Proceedings*)
8. **Rosasco, S. L.** 2021. Developing replacement heifers: Can we program fertility? Proceedings, The Range Beef Cow Symposium XXVII. Rapid City, SD. (*Invited Proceedings*)
9. **Rosasco, S. L.**, E. A. Melchior, S. H. Cox, R. L. Dunlap, J. A. Hernandez Gifford, E. J. Scholljegerdes, R. A. Cushman, and A. F. Summers. 2020. Effect of stair-step nutritional programming on ovarian development in replacement beef heifers. WSASAS Meeting Proceedings. Transl. Anim. Sci. 4:S32-S36. doi.org/10.1093/tas/txaa092.
10. **Rosasco, S. L.**, C. J. Kassetas, S. H. Cox, R. L. Dunlap, J. A. Hernandez Gifford, E. J. Scholljegerdes, and A. F. Summers. 2019. Effects of growth-promoting implants administered during the suckling phase or at weaning on growth and reproduction in replacement beef heifers grazing native range. WSASAS Meeting Proceedings. Transl. Anim. Sci. 3: 1774-1778. doi.org/10.1093/tas/txz085.
11. **Rosasco, S. L.**, L. H. Schmitz, S. H. Cox, R. C. Dunlap, D. M. Hallford, A. F. Summers, and E. J. Scholljegerdes. 2018. Effects of growth-promoting implants administered during the suckling phase on growth, conception rates, and longevity in replacement beef heifers grazing native range. WSASAS Meeting Proceedings. Transl. Anim. Sci. 2: S180-S184. doi: 10.1093/tas/txy048.
12. **Rosasco, S. L.**, E. J. Scholljegerdes, S. H. Cox, R. C. Dunlap, D. M. Hallford, and A. F. Summers. 2017. Influence of increased nutrient intake before and after breeding on performance and reproductive efficiency of beef heifers. WSASAS Meeting Proceedings. 68:162-168. doi:10.2527/asasws.2017.0065
13. K. E. Smith, **S. L. Rosasco**, J. K. Beard, E. R. Oosthuisen, B. Meyerhoff, E. J. Scholljegerdes,

- A. F. Summers, and S. L. Ivey. 2017. Change of season impacts ruminal fermentation and microbiome in heifers grazing native range. *WSASAS Meeting Proceedings*. 68:153-156. doi:10.2527/asasws.2017.0060
14. **Rosasco, S. L.**, J. K. Beard, M. C. Herrington, D. M. Hallford, and A. F. Summers. 2016. Effect of prostaglandin administration after ram exposure on ewe reproductive efficiency. *WSASAS Meeting Proceedings*. 67:142-145.
 15. Alford, J. B., J. G. Castro, E. R. Oosthuysen, **S. L. Rosasco**, R. D. Richins, E. J. Scholljegerdes, D. M. Hallford, and C. A. Loest. 2016. Effects of capsaicin source on blood capsaicin, glucose and insulin concentrations, rumen fermentation and nitrogen balance of sheep. *WSASAS Meeting Proceedings*. 67:171-175.

ABSTRACTS/POSTERS:

1. Fabrizio, B. W., C. D. Bedke, K. M. Hauxwell, A. F. Summers, G. A. Perry, R. A. Cushman, S. L. Lake, and **S. L. Rosasco**. 2025 Impact of pre-breeding nutritional management on circulating concentrations of anti-Müllerian hormone and ovarian development in beef heifers. *Applied Reproductive Strategies in Beef Cattle Meeting Abstract*. North Platte, NE.
2. Bedke, C., M. Shults, S. Davey, E. Scholljegerdes, A. Summers, G. Perry, R. Cushman, S. L. Lake, and **S. Rosasco**. 2023. The Influence of Stair-Step Nutritional Management on Ovarian Development and Reproductive Parameters in Beef Heifers. *Applied Reproductive Strategies in Beef Cattle Meeting Abstract*. Cheyenne, WY.
3. Cushman, R. A., C. D. Bedke, M. A. Shults, L. K. Quail, K. M. Epperson, A. P. Snider, G. A. Perry, E. J. Scholljegerdes, A. F. Summers, S. L. Lake, H. C. Cunningham-Hollinger, and **S. L. Rosasco**. 2022. Variation in antral follicle number but not primordial follicle number is positively related to luteal function in beef heifers. *SSR Meeting Abstract*.
4. Snider, A. P., H. K. Yake, C. D. Granger, **S. L. Rosasco**, T. G. McDanel, W. M. Snelling, C. C. Chase Jr., J. R. Miles, C. A. Lents, L. K. Quail, J. J. Rich, K. M. Epperson, M. S. Crouse, A. F. Summers, G. A. Perry, G. L. Bennett, and R. A. Cushman. 2022. Polymorphism of the Follicle Stimulating Hormone Receptor does not impact reproductive performance or in-vitro embryo production in beef heifers. *Mid-west ASAS Meeting Abstract*
5. Cushman, R. A., **S. L. Rosasco**, K. M. Epperson, E. J. Northrop-Albrecht, J. J. J. Rich, C. C. Chase Jr., M. S. Crouse, J. R. Miles, G. A. Perry, A. F. Summers, and A. P. Snider. 2021. Uterine function during maternal recognition of pregnancy differs due to size of the ovarian reserve in beef heifers. *ASAS Annual Meeting Abstract*. *J. Anim. Sci.* 99(Supp3): 123. doi.org/10.1093/jas/skab235.225.
6. Snider, A. P., M. S. Crouse, **S. L. Rosasco**, K. M. Epperson, E. J. Northrop-Albrecht, J. J. J. Rich, C. C. Chase Jr., J. R. Miles, G. A. Perry, A. F. Summers, and R. A. Cushman. 2021. Beef heifers with increased number of follicles have greater uterine luminal glucose concentrations. *ASAS Annual Meeting Abstract*. *J. Anim. Sci.* 99(Supp3):128. doi.org/10.1093/jas/skab235.233.
7. Selman, A., L. Lemke, J. Woodbury, **S. L. Rosasco**, E. J. Scholljegerdes, J. K. Beard, and A. F. Summers. 2020. Effects of maternal supplementation of ruminally undegradable protein during early gestation on subsequent progeny performance in beef cattle. *WSASAS Meeting Abstract*. 98(Supp4):471-472. doi.org/10.1093/jas/skaa278.822.
8. Lujan, L. A., E. A. Melchior, **S. L. Rosasco**, R. L. Dunlap, S. H. Cox, E. J. Scholljegerdes, J. C. Wenzel, and S. L. Ivey. 2020. Evaluation of calf performance when cows grazing native rangeland are vaccinated for bovine viral diarrhea virus and infectious bovine rhinotracheitis using either a modified live or killed vaccine. *WSASAS Meeting Abstract*. 98(Supp4):473-474. doi.org/10.1093/jas/skaa278.826.
9. Melchior, E. A., **S. L. Rosasco**, S. L. Ivey, S. H. Cox, R. L. Dunlap, J. C. Wenzel, D. L. Hallford,

- A. F. Summers, E. J. Scholljegerdes.2020. Evaluation of reproductive performance and herd longevity when heifers grazing native range are vaccinated with a lifetime regimen of a killed viral or modified live viral vaccine. WSASAS Meeting Abstract. 98(Supp4):287. doi.org/10.1093/jas/skaa278.517.
10. Chavez, M. K., **S. L. Rosasco**, M. C. Herrington, J. K. Beard, and A. F. Summers. 2020. Effect of antral follicle count on time intervals to estrus and ovulation in crossbred beef heifers. WSASAS Meeting Abstract. 98(Supp4):472. doi.org/10.1093/jas/skaa278.823.
 11. Cushman, R. A., R. Spuri-Gomes, S. C. Tenley, **S. L. Rosasco**, J. J. J. Rich, E. J. Northrop, J. R. Miles, A. K. Lindholm-Perry, B. N. Keel, G. A. Perry, and A. F. Summers. 2020. Influence of age of dam on daughter reproductive performance and follicle numbers in beef heifers. MWASAS Meeting Abstract. 98(Supp3):115.
 12. Melchior, E. A., **S. L. Rosasco**, S. L. Ivey, R. L. Dunlap, S. H. Cox, E. J. Scholljegerdes, and J. C. Wenzel. 2019. Evaluation of serum neutralization titers and calf weaning weights when cows grazing native rangeland are vaccinated for infectious bovine rhinotracheitis using either a modified live or killed vaccine. WSASAS Meeting Abstract.
 13. **Rosasco, S. L.**, C. J. Kassetas, J. K. Beard, S. H. Cox, R. L. Dunlap, E. J. Scholljegerdes, and A. F. Summers. 2018. Comparison of two estrus synchronization protocols utilized with natural service in young beef cows on reproductive performance and profitability. ARSBC Meeting Abstract.
 14. Summers, A. F., **S. L. Rosasco**, and E. J. Scholljegerdes. 2018. Opportunities for enhancing reproductive success and cow longevity through heifer development. ASAS Annual Meeting Abstract, Beef Species Symposium.
 15. Cushman, R. A., S. C. Tenley, R. Spuri Gomes, **S. L. Rosasco**., E. J. Northrop., J. J. J. Rich, A. K. McNeel, A. F. Summers, J. R. Miles, C. C. Chase, C. A. Lents, G. A. Perry, J. R. Wood, A. S. Cupp. 2018. Maternal age influences folliculogenesis and gene networks in the ovaries of beef heifers. Abstract. 50th Annual Meeting of the Society for the Study of Reproduction, New Orleans, LA.
 16. Patterson, A. L., J. Beard, M. C. Herrington, **S. L. Rosasco**, E. M. Soares, E. J. Northrop, E. L. Larimore, J. J. J. Rich, O. L. Amundson, A. K. McNeel, C. C. Chase, Jr., G. A. Perry, A. F. Summers, and R. A. Cushman. 2017. Investigation of ovarian reserve parameters in *Bos indicus* cows. J. Anim. Sci. 95: Supp2 :154-155. doi.org/10.2527/asasmw.2017.317
 17. Kassetas, C. J., J. K. Beard, **S. L. Rosasco**, E. J. Scholljegerdes, and A. F. Summers. 2017. Comparison of two estrus synchronization protocols utilized with natural service in young beef cows on reproductive performance and profitability. WSASAS Meeting Abstract. 68:318.
 18. Summers, A., M. A. Ward, **S. Rosasco**, J. Beard, S. Soto-Navarro, and D. M. Hallford. 2016. Effects of predation on cortisol and progesterone levels in gestating ewes. WSASAS Meeting Abstract. 94:41-42

FUNDING:

- Rosasco, S. L.**, R. A. Cushman, and S. L. Lake. 2025. Impact of Plane of Nutrition after Ovulation on the Uterine Environment in Young Beef Cows Divergent in Antral Follicle Count. UW Faculty Grant-In-Aide Seed Money Proposal. \$19,544.34. (Not Funded).
- S. L. Rosasco**, S. L. Lake, K. L. McCarthy, T. Holt, R. L. Ziegler, G. A. Perry, and S. M. Zoca. 2024. Influence of nutritional management and pulmonary hypertension risk on fertility in developing beef bulls. USDA Western SARE Research and Education. \$334,863.00. (Funded).
- Rosasco, S. L.**, S. L. Lake, R. A. Cushman, R. L. Ziegler, and K. L. Woodruff. 2024. Impact Of Peripubertal Nutritional Management on Reproductive Success and Economic Sustainability In Beef

Heifers. USDA NIFA CARE. \$299,989.03. (Submitted – Under Review).

Rosasco, S. L., S. L. Lake, R. A. Cushman, G. Faxon, and E. A. Melchior. 2024. Impact of administration of a growth-promoting implant during the suckling phase on growth, fertility, reproductive tract development, and longevity in replacement beef heifers. Zoetis Animal Health. \$144,413.30 (Not Funded)

Cunningham-Hollinger, H. C., W. Stewart, **Rosasco, S. L.,** and B. Alexander. 2024. Request for lab equipment and supplies. NC1201: Methods to Increase Reproductive Efficiency in Cattle Multistate Project. USDA NIFA Hatch-Multistate Capacity Funding. \$15,230 (Funded)

Rosasco, S. L., J. Block, and H. C. Cunningham-Hollinger. 2024. Request for undergraduate student summer intern. NC1201: Methods to Increase Reproductive Efficiency in Cattle Multistate Project. USDA NIFA Hatch-Multistate Capacity Funding. \$8,400.00 (Funded)

Rosasco, S. L. 2023. NC1201: Methods to Increase Reproductive Efficiency in Cattle Multistate Project. USDA NIFA Hatch-Multistate Capacity Funding. \$7,358.00 (Funded)

Gifford, C. L., H. C. Cunningham-Hollinger, **S. L. Rosasco,** S. L. Lake, C. Markel, and M. K. Phillips. 2023. Vitamin E as a strategic management practice to address pulmonary arterial pressure and bovine congestive heart failure in the beef supply chain. USDA NIFA CARE Grant. \$299,991.67. (Not Funded)

Rosasco S. L., S. L. Lake, C. L. Gifford, and H. C. Cunningham-Hollinger. 2023. Evaluation of divergent Red Angus sires on progeny growth performance, fertility, and pulmonary arterial pressure. Red Angus Association of America. \$30,000 (Funded)

Gifford, C. L., J. Block, H. C. Cunningham-Hollinger, **S. L. Rosasco,** B. Alexander, and W. Stewart. 2023. Equipment Request for Eppendorf ThermoMixer Temperature Control Device. USDA-NIFA Hatch Multistate Capacity Funding. \$4024.27 (Funded)

Lima, P. M. T., J. Pickett, H. D. Jones, H. C. Cunningham-Hollinger, **S. L. Rosasco,** D. Harris, J. D. Scasta, S. L. Lake, E. Webster. 2023. Evaluation of the resiliency of forages and plants unique to production systems in Wyoming. Cardiff Wyoming Seed Grant for Collaborative Projects. \$20,000.00 (Funded)

Lake, S., T. Holt, H. Cunningham-Hollinger, C. Gifford, **S. Rosasco,** T. Miller, G. Darnell, D. Spiller, S. Sims, C. Everett. 2023. Mitigating Pulmonary Hypertension in Beef Cattle. USDA Western SARE Research and Education (Preproposal – No full proposal request)

Cunningham-Hollinger, H., C. Gifford, S. Lake, **S. Rosasco,** and W. Stewart. 2023. Strengthening foundational and applied research in feed efficiency and precision nutrition management. USDA NIFA Equipment Grant. \$425,322.62. (Not Funded)

Rosasco, S. L. 2022. NC1201: Methods to Increase Reproductive Efficiency in Cattle Multistate Project. USDA NIFA Hatch-Multistate Capacity Funding. \$8,200.00 (Funded)

Lake, S., T. Holt, H. Cunningham-Hollinger, C. Gifford, T. Miller, **S. Rosasco,** G. Darnell, D. Spiller, S. Sims, C. Everett. 2022. Mitigating Pulmonary Hypertension in Beef Cattle. USDA Western SARE Research and Education (Preproposal – Full proposal request offered)

Cunningham-Hollinger, H. C., **S. L. Rosasco,** J. Block, R. A. Cushman, and A. P. Snider. 2021. The reproductive microbiome of heifers divergent in antral follicle count and its influence on calf microbiome and productivity. USDA – AFRI. **Co-PI.** \$649,980.71 (Not Funded).

McFarlane, Z., H. Cunningham-Hollinger, **S. Rosasco,** M. La Frano, J. Huzzey, M., Abo-Ismael, and K.

DeAtley. 2021. Building Capacity and Delivering Beef Cattle Management Training through Multi-institutional Collaboration: improving education and outreach through research of novel traits in bulls. USDA – NIFA, Non-Land-Grant Colleges of Agriculture Capacity Building Grant. \$750,000 (subaward of \$119,995 for University of Wyoming; Funded).

Harty, A., J. Block, M. Van Emon, J. Brennan. **S. Rosasco**, and C. Sanford. 2021. Mineral Nutrition for the Beef Cow Herd. Extension Foundation – NTAE. \$10,000 (Not Funded).

Lake, S., T. Holt, H. Cunningham-Hollinger, **S. Rosasco**, and C. Gifford. 2021. Therapeutic use of vasodilators for pulmonary hypertension (PH) in beef cattle and use of inflammatory blood markers as indicators of heart disease. USDA Western SARE Research and Education (Preproposal – No full proposal request)

Cunningham-Hollinger, H. C., **S. L. Rosasco**, J. Block, R. A. Cushman, and A. P. Snider. 2021. The reproductive microbiome of heifers divergent in antral follicle count and its influence on calf microbiome and productivity. USDA – AFRI. **Co-PI**. \$649,980 (Not Funded).

Rosasco, S. L., R. A. Cushman, and A. F. Summers. 2018. Influence of improve nutrient intake prior to the breeding season on ovarian function in beef heifers. USDA – AFRI Predoctoral Fellowship **PI**. (\$99,805 – Not Funded)

TEACHING:

University of Wyoming

Lead Instruction

<u>Year</u>	<u>Semester</u>	<u>Course</u>	<u>Credits</u>	<u>Enrollment</u>
2025	Spring	ANSC 4500 Problems: High Altitude Bull Test	1-2	11
2025	Spring	ANSC 5880 Advanced Beef Production and Management	3	1
2025	Spring	ANSC 4220 Advanced Beef Production and Management	3	22
2024	Fall	ANSC 4500 Problems: High Altitude Bull Test	1-2	12
2024	Spring	ANSC 4500 Problems: High Altitude Bull Test	1-2	11
2024	Spring	ANSC 4220 Advanced Beef Production and Management	3	9
2023	Fall	ANSC 4500 Problems: High Altitude Bull Test	1-2	16
2023	Spring	ANSC 4500 Problems: High Altitude Bull Test	1	8
2023	Spring	ANSC 4220 Advanced Beef Production and Management	3	15
2022	Fall	ANSC 5880 Advanced Topics: High Altitude Bull Test	1	3
2022	Spring	ANSC 4220 Advanced Beef Production and Management	3	30
2021	Spring	ANSC 4220 Advanced Beef Production and Management	3	13
2021	Spring	ANSC 5550 Investigations in Animal Nutrition	3	1

Co-Instruction

ANSC 1010 - Introduction to Animal Science – Beef Cattle Production Section (Fall 2021, Fall 2022, Fall 2023, Fall 2024)

New Mexico State University

ANSC 201 – Introduction to Genetics for Animal Production (Instructor of Record – 70 Students), (Fall 2018, 2019)

ANSC 423 – Animal Breeding (Teaching Assistant), (Fall 2015, 2016, 2017, 2020)

ANSC 308 – Horse Evaluation (Teaching Assistant), (Spring 2020)
 ANSC 190 – Western Equitation I (Teaching Assistant), (Spring 2020)
 ANSC 220 – Animal Science Careers (Teaching Assistant), (Spring 2019)
 ANSC 426 – Beef Production – Cow-calf Management (Teaching Assistant), (Spring 2015, 2016, 2018)
 ANSC 100 – Introduction to Animal Science (Teaching Assistant), (Fall 2014)

GRADUATE ADVISMENT:

Graduate Students Advised or Co-Advised:

Saige Ward, M.S. University of Wyoming, Dept of Animal Science, Spring 2025 – Ongoing (**Co-Advisor with Scott Lake**)

Blake Fabrizio, M.S., University of Wyoming, Dept of Animal Science, Fall 2024 – Ongoing (**Co-Advisor with Scott Lake**)

Bryson Mills, M.S., University of Wyoming, Dept of Animal Science, Fall 2021- Summer 2023 (**Advisor**) Placement: Donor Herd Manager at Reprologix, Fort Scott, KS

Clayton Bedke, M.S., University of Wyoming, Dept. of Animal Science, Fall 2020 – Summer 2022 (**Co-Advisor**) Placement: PhD Student in Animal Science at New Mexico State University

Graduate Student Committee Member Service:

Brenna Litynski, M.S., University of Wyoming, Dept. of Animal Science, 2022 - 2024

Madison Shults, M.S., University of Wyoming, Dept. of Animal Science, 2020 – 2022

Katherine Agster, M.S., University of Wyoming, Dept. of Animal Science, 2020 – 2022

KEY EXTENSION INITIATIVES:

- University of Wyoming High Altitude Bull Test and Sale. Provide a service to the beef industry through evaluation of potential sires on their ability to serve producers at high altitude, increase applied production agriculture experience available for students, and engage producers in research and education related to brisket disease and bull development.
 - Year 1 had 41 bulls on test from 9 producers, 18 bulls involved in the sale, 8 undergraduate and 3 graduate students in the course, and 38 attendees at extension field day.
 - Year 2 expanded test to include a 45-day screening period, 70-day feed efficiency test, and additional categories for bulls. Currently, > 60 bulls registered for the 2023/2024 bull test. The sale average was \$4,651.79 with the high selling bull selling for \$10,500.00.
 - Year 3 had 66 bulls register for the 2024/2025 test, 31 bulls were marketed in the sale with an average sale price of \$4,375.00.
- University of Wyoming Extension Beef Team formed in Fall 2024. Committee/team comprised on beef extension specialists, extension educators, and other extension faculty interested in developing coordinated extension efforts. The Beef Team has produced 5 “Beef Briefs” that provide research backed information on timely beef cattle management topics.
- Range Beef Cow Symposium Planning Committee. Collaborative educational program coordinated by beef specialists from the University of Wyoming, University of Nebraska, South Dakota State University, and Colorado State University. Plan regional meeting, develop educational program, coordinate with invited speakers. Assisted in planning of 2021 meeting in Rapid City, SD and 2023 meeting in Loveland, CO. Range Beef Cow Symposium will be held in Cheyenne, WY in November 2025.
- Beef Reproductive Task Force committee member. Committee focused on practical reproductive management of beef cattle through identification and evaluation of management strategies. Conducts

national educational programs to provide information to stakeholders, including a yearly conference, virtual seminar series, and educational videos.

- Held annual Applied Reproductive Strategies in Beef Cattle conference in Cheyenne, WY, September 2023 – 180 registrations, \$37,200.00 in sponsorships, \$27, 625 in registration.
- Regional beef workshops and seminars throughout Wyoming in collaboration with extension field educators. Programs cover current and relevant beef production and management topics.
- Assist in coordination of the Progressive Rancher Forum educational program at the Winter Wyoming Stockgrowers Association Meeting.
- Conduct the Mineral Nutrition for the Beef Cow Herd Program in Wyoming as a part of the regional extension program coordinated by South Dakota State University, North Dakota State University, Montana State University, and the University of Wyoming. Program includes virtual spring and fall webinar series, individual producer consultations, and a “Train-the-Trainer” program for extension educators.
- Individual producer consultations on beef production and management. 25 consultations, 4 on-site ranch visits.
- University of Wyoming Beef Extension webpage and a social media presence (Facebook and Instagram) to promote Beef Extension.
- Co-advisor Wyoming Collegiate Cattle Association RSO (January 2021-present).

EXTENSION AND POPULAR PRESS PUBLICATIONS:

1. M. Gilmore and **S. L. Rosasco**. Registration Open for UW’s Third Annual High Altitude Bull Test. University of Wyoming Ag News. September, 17, 2024.
2. **Rosasco, S. L.** 2024. UW’s Second Annual High Altitude Bull Test and Sale to Conclude with March 26 Field Day. University of Wyoming Ag News. March 21, 2024
3. **Rosasco, S. L.**, K. L. McCarthy, and M. Gilmore. Registration Open for Applied Reproductive Strategies in Beef Cattle Symposium. University of Wyoming Ag News and UNL Beef Watch. July 26, 2023
4. McCarthy, K. L., **S. L. Rosasco**, and T. L. Meyer. Options for Estrus Synchronization this Breeding Season. UNL Beef Watch. April 1, 2023
5. **Rosasco, S. L.** University of Wyoming High Altitude Bull Test Field Day. Wyoming Livestock Roundup March 17, 2023.
6. Scasta, J. D., C. Calkins, **S. Rosasco**, J. Connett, and S. Schell. Horn Fly Management for Wyoming Beef Cattle. University of Wyoming Extension Bulletin. B-1386. November 2022.
7. **Rosasco, S. L.** Body Condition Scoring: A Tool to Assist in Managing Cows through the Winter. Wyoming Livestock Roundup. November 11, 2022
8. **Rosasco, S. L.** UW Launches High Altitude Bull Test and Sale. UW Ag News. October 31, 2022
9. **Rosasco, S. L.** UW Launches High Altitude Bull Test and Sale. Wyoming Livestock Roundup. October 21, 2022
10. **Rosasco, S. L.** Tips Provided for Adding Value to the Calf Crop. Wyoming Livestock Roundup. July 8, 2022
11. **Rosasco, S. L.** Tools for Managing Reproductive Efficiency in the Cowherd. Wyoming Livestock Roundup. June 17, 2022.
12. **Rosasco, S. L.** Tools for managing reproductive efficiency in the cow herd. Wyoming Livestock Roundup. June 18, 2022.
13. Bedke, C. D., and **S. L. Rosasco**. Attention to herd health vital for small acreage cow-calf operations. University of Wyoming Extension Barnyards and Backyards Magazine. Winter 2021.
14. **Rosasco, S. L.** 2021. The Value of Pregnancy Detection. Wyoming Livestock Roundup. September 10, 2021

15. **Rosasco, S. L.** 2021. Considerations for Early Weaning. Wyoming Livestock Roundup. July 23, 2021
16. **Rosasco, S. L.** 2021. Starting a small-acreage beef cow-calf operation. University of Wyoming Extension Barnyards and Backyards Magazine. Summer 2021.
17. **Rosasco, S. L.** 2021. Post-Breeding Management to Minimize Early Pregnancy Loss in Heifers. Wyoming Livestock Roundup. June 18, 2021.
18. Mancino, J., **S. L. Rosasco.** 2012. A learning opportunity: California students attend beef improvement federation meeting. California Cattleman Magazine. July/August.
19. **Rosasco, S. L.** 2011. An inside look: young cattlemen tour operations in the Salinas Valley. California Cattleman Magazine. July/August: 110.

PRESENTATIONS:

University of Wyoming 2025

- Invited Speaker, Applied Reproductive Strategies in Beef Cattle Conference, Pre- and Post-breeding Nutrition to Improve Reproductive Success. North Platte, NE, September 18, 2025 (National)
- Invited Speaker, UW SAREC Field Day, Managing for efficiency and resilience to pulmonary hypertension in Wyoming beef herds. Lingle, WY, August 7, 2025 (State)
- Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Lovell, WY, May 5-7, 2025 (State)
- Invited Speaker, UW Artificial Insemination School, Estrus Synchronization Programs, Lovell, WY, May 5-7, 2025 (State)
- Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Big Piney, WY, April 14-16, 2025 (State)
- Invited Speaker, UW Artificial Insemination School, Estrus Synchronization Programs, Big Piney, WY, April 14-16, 2025 (State)
- Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Laramie, WY, April 7-9, 2025 (State)
- Invited Speaker, UW Artificial Insemination School, Estrus Synchronization Programs, Laramie, WY, April 7-9, 2025 (State)
- Invited Speaker, 14th Annual Women's Agriculture Summit, Managing for Efficiency in the Cowherd, Buffalo, WY. January 11, 2025

2024

- Invited Speaker, Wyoming Stock Growers Association, Progressive Resource Manager Forum, Managing the Cowherd during Drought Conditions. Casper, WY, December 10, 2024 (State)
- Invited Speaker, Green River Ranchers Workshop, Heifer Development: Buying vs Raising. Torrington, WY, December 4, 2024. (State)
- Invited Speaker, Southeast Wyoming Beef Symposium, Heifer Development: Buying vs Raising. Torrington, WY, November 19, 2024. (State)
- Invited Speaker, NDSU Reproductive Strategies: Replacement Heifer Synchronization and Cow Herd Management Meeting, Nutritional Management of Replacement Heifers for Reproductive Success. Dickinson, ND, November 14, 2024. (Regional)
- Invited Speaker, Albany County Stockgrowers Annual Business Meeting, Understanding the impact of nutrition on fertility and longevity in beef heifers and identifying management strategies to

improve reproductive efficiency in beef cattle. Laramie, WY. November 7, 2024. (County – Albany)

Invited Speaker, Applied Reproductive Strategies in Beef Cattle Conference, Nutritional Management of Replacement Heifers for Reproductive Success. Athens, GA, September 4, 2024 (National)

Invited Speakers, Alltech and Hubbard Feed Beef Focus Group, Developing Replacement Heifers: Impacts on Fertility and Cow Longevity. Sioux Falls, SD. July 18, 2024 (National)

Invited Speaker, Wyoming Ranch Camp, Beef Cattle Management and Marketing Decisions. Ranchester, WY, June 11, 2024. (State)

Invited Speaker, UW 4-H Artificial Insemination Course, Selecting Good Candidates for Artificial Insemination and Nutritional Management, Gillette, WY and Virtual, May 9, 2024 (State)

Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Evanston, WY, May 13-15, 2024 (State)

Invited Speaker, UW Artificial Insemination School, Estrus Synchronization Programs, Evanston, WY, May 13-15, 2024 (State)

Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Thermopolis, WY, April 22-24, 2024 (State)

Invited Speaker, UW Artificial Insemination School, Estrus Synchronization Programs, Thermopolis WY, April 22-24, 2024 (State)

Invited Speaker, Fremont County Farm and Ranch Days, Young Cow Management to Optimize Reproductive Performance. February 7, 2024 (County – Fremont)

Invited Speaker, Goshen County 4-H Supreme Cow, Developing Replacement Heifers. Lingle, WY, January 10, 2024 (County – Goshen)

2023

Invited Speaker, Range Beef Cow Symposium, Managing Reproductive Efficiency-Systems Approach, Loveland, CO. December 14, 2023. (Regional)

Invited Speaker, Green River Ranchers Workshop, Nutritional Management of Replacement Heifers: Impacts on Fertility and Cow Longevity. Pinedale, WY. November 29, 2023 (County – Sublette)

Invited Speaker, Green River Ranchers Workshop, Utilizing Reproductive Tract Scoring and Managing Bull Fertility. Pinedale, WY. November 29, 2023 (County – Sublette)

Invited Speaker, Carbon County Stock Growers Association, University of Wyoming Beef Extension Update, Saratoga, WY. November 18, 2023. (County – Carbon)

Invited Speaker, NDSU Reproductive Strategies: Replacement Heifer Synchronization and Cow Herd Management Meeting, Best management practices for successful artificial insemination. Dickinson, ND, November 16, 2023. (Regional)

Invited Speaker, Casual Cattle Conversations: Rancher Mind Webinar, Development Replacement Heifers and Marketing Bred Heifers, Virtual, September 21, 2023 (National)

Invited Speaker, Applied Reproductive Strategies in Beef Cattle Conference, Management Strategies to Enhance Fertility and Longevity in Replacement Heifers. Cheyenne, WY, September 6, 2023 (National)

Invited Speaker, Gudmundsen Sandhills Laboratory Open House: 43 Years Serving the Beef Industry, Young Cow Management to Optimize Reproductive Performance, Whitman, NE, August 23, 2023 (Regional)

Invited Speaker, Fremont County Cattlewomen Meeting, Beef Quality Assurance Training, Riverton, WY, July 15, 2023 (County – Fremont)

Invited Speaker, Northeast Wyoming Beef Production Workshop, Nutritional Management of Replacement Heifers: Impacts on Fertility and Cow Longevity, Buffalo, WY, July 12, 2023 (County – Johnson)

Invited Speaker, Beef Reproductive Task Force Spring Webinar Series, Pre and Post calving nutrition: Which one is more important? Virtual. June 27, 2022. (National & International)

Invited Speaker, Wyoming Ranch Camp, Marketing Considerations and Stocker Management. Ranchester, WY, June 16, 2023. (State)

Invited Speaker, Wyoming Ranch Camp, Management Decisions – Cull Cows and Replacement Heifers. Ranchester, WY, June 16, 2023. (State)

Invited Speaker, Casual Cattle Conversations – Podcast Interview, Heifer Development and Marketing Bred Heifers. Virtual. June 12, 2023. (National)

Invited Speaker, UW 4-H Artificial Insemination Course, Selecting Good Candidates for Artificial Insemination and Nutritional Management, Gillette, WY and Virtual, May 6, 2023 (State)

Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Lovell, WY, April 10-12, 2023 (State)

Invited Speaker, UW Artificial Insemination School, Investing in Livestock Genetics and Sire Selection, Lovell, WY, April 10-12, 2023 (State)

Invited Speaker, UW Artificial Insemination School, Nutritional Management Factors that Influence Reproductive Success, Laramie, WY, March 20-22, 2023 (State)

Invited Speaker, Fremont County Farm and Ranch Days, Managing Bull Fertility and Reproductive Efficiency in the Cowherd. February 8, 2023 (County – Fremont)

Invited Speaker, Fremont County Stockgrowers Annual Dinner, Improving Reproductive Efficiency in the Herd: Managing Replacement Heifers. Virtual, January 28, 2023 (County – Fremont)

Invited Presentation/Speaker, Wyoming Utah Ag Days, Heifer Development and UW High Altitude Bull Test, Evanston, WY, January 24, 2023 (Regional)

2022

Invited Speaker, Wyoming Stock Growers Association, Progressive Resource Manager Forum, Managing for Efficiency in the Cowherd. Casper, WY, December 6, 2022 (State)

Invited Speaker, Carbon County Stock Growers Meeting, University of Wyoming Beef Research and Extension Update. Saratoga, WY, November 12, 2022. (County – Carbon)

Invited Speaker, NDSU Reproductive Strategies: Replacement Heifer Synchronization and Cow Herd Management Meeting, Nutritional Management of Replacement Heifers. Dickinson, ND, November 10, 2022. (Regional)

Invited Speaker, Applied Reproductive Strategies in Beef Cattle Conference, Nutritional Management of *Bos taurus* and *Bos indicus*-influence heifers. San Antonio, TX, August 30, 2022. (National)

Invited Speaker, Beef Management Workshop, Tools for Managing the Cowherd During Dry Conditions. Sheridan, WY, July 1, 2022 (County – Sheridan)

Invited Speaker, Beef Management Workshop, Tools for Managing the Cowherd During Dry Conditions. Sundance, WY, June 30, 2022 (County – Crook)

Invited Speaker, Wyoming Ranch Camp, Heifer Selection, Development, and Management for Success. Evanston, WY, May 24, 2022. (State)

Invited Speaker, Wyoming Ranch Camp, Marketing Considerations and Stocker and Yearling Management, Evanston, WY, May 24, 2022. (State)

Invited Speaker, UW Artificial Insemination School, Estrus Synchronization Protocols and Tips for Success, Thermopolis, WY, April 26-27, 2022 (State)

Invited Speaker, UW Artificial Insemination School, Replacement Heifer Selection, Development, and Management, Thermopolis, WY, April 26-27, 2022 (State)

Invited Speaker, UW 4-H Artificial Insemination Course, Nutritional Management Factors that Influence Reproductive Success, Virtual, April 20, 2022 (State)

Invited Speaker, UW Artificial Insemination School, Genetic Selection Tools and EPDs in Beef Cattle, Laramie, WY, March 21-23, 2022 (State)

Invited Speaker, UW Artificial Insemination School, Nutritional Management Factors that Influence Reproductive Success, Laramie, WY, March 21-23, 2022 (State)

Invited Presentation/Speaker, Wyoming Utah Ag Days, Heifer Development, Evanston, WY, March 10, 2022. (Regional)

Invited Panelist, South Dakota State University BeefUp Program, BeefUp Program Speaker Panel for Live Q & A. South Dakota. March 7, 2022. (Regional)

Invited Speaker, Westi Ag Days, Genetic Selection Tools and EPD's, Worland, WY, February 16, 2022. (County – Washakie)

Invited Speaker, Beef Reproductive Task Force Webinar Series, Nutritional Management of Replacement Heifers: Impacts on Fertility and Cow Longevity. Virtual. February 15, 2022. (National & International)

Invited Panelist, Ranch Management and Ag Leadership Seminar Series, Industry Panel Discussion on Beef Marketing, Riverton, WY, February 10, 2022. (County – Fremont & Virtual)

Invited Speaker, Fremont County Farm and Ranch Days, Understanding Mineral Requirements for Grazing Cattle, Riverton, WY, February 10, 2022. (County – Fremont)

Invited Speaker, South Dakota State University BeefUp Program, Development of Replacement Heifers (Virtual- Prerecorded), South Dakota, February, 2022 (Regional).

Invited Speaker, Big Horn County Extravaganza. Utilizing Genetic Selection Tools and EPDs. Basin, WY, January 25, 2022. (County – Big Horn)

Invited Speaker, Big Horn County Extravaganza. Supplementation Strategies and Stretching Feed Resources. Basin, WY, January 25, 2022. (County – Big Horn)

Invited Speaker, CattlemenU Program, Profit Panel – Nutritional Management. Virtual. January 6, 2022 (National)

2021

Invited Presentation/Speaker, CattlemenU Program, Nutritional Management of Replacement Heifers. Virtual (Pre-recorded). December, 2021 (National)

Invited Speaker, Range Beef Cow Symposium, Developing replacement heifers: Can we program fertility? Rapid City, SD. November 17, 2021. (Regional)

Invited Speaker, Wyoming Ranch Camp, Beef Cattle Nutrition, Evanston, WY, May 28, 2021. (State)

Invited Speaker, Wyoming Ranch Camp, Stocker and Yearling Management, Evanston, WY, May 28, 2021. (State)

Invited Speaker, UW Artificial Insemination School, Heifer Development and Body Condition Scoring, Lovell, WY, April 13-14, 2021 (County – Big Horn)

Invited Speaker, UW Artificial Insemination School, Estrus Synchronization, Lovell, WY, April 13-14, 2021 (County – Big Horn)

Invited Speaker, Fremont County Farm and Ranch Days, Heifer Selection, Development, and Management for Success, Riverton, WY, February 3, 2021. (County – Fremont)

Invited Speaker, Westi Ag Days, Genetic Selection Tools and EPD's, Worland, WY, February 17, 2021. (County – Washakie)

Invited Presentation/Speaker, Wyoming Utah Ag Days, Heifer Development, Evanston, WY, January 26, 2021. (Regional)

Invited Speaker, UW Extension, Ag & Hort Online Convention, Heifer Development. Virtual (Pre-recorded) January 2021. (State – presentation on YouTube nationally available)

2020

Invited Speaker, Wyoming Stocker Growers Association, Progressive Rancher Forum, Heifer Selection, Development, and Management for Success, December 7, 2020. (State)

New Mexico State University

Effect of stair-step nutritional programming on ovarian development in replacement beef heifers. Presentation at 2020 ASAS Western Section Meeting (Virtual).

Effects of growth-promoting implants administered during the suckling phase or at weaning on growth and reproduction in replacement beef heifers grazing native range. Presentation at 2019 ASAS Western Section Meeting. Bosie, ID.

Effects of growth-promoting implants administered during the suckling phase on growth, conception rates, and longevity in replacement beef heifers grazing native range. Presentation at 2018 ASAS Western Section Meeting. Bend, OR.

Calving and Dystocia, Presentation at 2018 Dona Ana County 4-H Dairy Field Day, Mesquite, NM

Influence of increased nutrient intake before and after breeding on performance and reproductive efficiency of beef heifers. Presentation at 2017 ASAS Western Section Meeting. Fargo, ND

RADIO AND POPULAR PRESS INTERVIEWS:

“University of Wyoming Beef Extension Update” Radio Interview with Andy Schwab, Northern Ag Network. February 2025

“Calving is underway” Popular press interview with Jen Sieve-Hicks, Buffalo Bulletin, March 2024

“University of Wyoming High Altitude Bull Test & Sale” Radio Interview with Brett McRae, Northern Ag Network. January 2024

“UW’s High Altitude Bull Test Helps Producers and Students Take It Up a Level” Interview with Brooke Ortel, University of Wyoming Extension - Ag News, October 16, 2023.

“Applied Reproductive Strategies in Beef Cattle Meeting” Radio Interview with Andy Schwab, Northern Ag Network, August 7, 2023.

“Premier program: UW College of Agriculture hosts inaugural High Altitude Bull Test and Sale” Interview with Hannah Bugas, Wyoming Livestock Roundup, May 4, 2023.

“University of Wyoming High Altitude Bull Test & Sale” Radio Interview with Andy Schwab, Northern Ag Network. February 1, 2023.

“University of Wyoming High Altitude Bull Test & Sale” Radio Interview with Caitlin Tan, Wyoming Public Radio. November 16, 2022.

“UW Launches High Altitude Bull Test & Sale” Radio Interview with Brett McRae, Northern Ag Network. November 1, 2022.

“Developing Replacement Heifers” Podcast Interview with Angus Media. November 17, 2021

“Developing Replacement Heifers” Interview with South Dakota State University Extension. November 17, 2021

“How much is she eating? Stairstep nutrition program could increase heifer fertility”. Interview with Carrie Stadheim, Tri-State Livestock News. November 5, 2021.

“Calving Considerations”. Wyoming News in Agriculture. Radio Interview with Leif Bakken, Northern Ag Network. March 1 & 2, 2021

“Calving Considerations”. Wyoming Morning Market Report. Radio Interview with Leif Bakken, Northern Ag Network. February 26, 2021

“Winter Feeding and Research Update”. Interview with Leif Bakken, Northern Ag Network. December, 2020

HONORS AND AWARDS:

Selected to be member of Beef Reproduction Task Force, 2021, 2025
1st Place, Applied Animal Science Paper Award, WSASAS Meeting, 2020
2nd Place, Graduate Student Paper Competition, WSASAS Meeting, 2020
2nd Place, Applied Animal Science Paper Award, WSASAS Meeting, 2019
3rd Place, Graduate Student Paper Competition, WSASAS Meeting, 2019
Dean's Award of Excellence for Graduates, New Mexico State University - December 2016
1st Place, Applied Animal Science Paper Award, WSASAS Meeting, 2016
A. L. Neumann Outstanding Animal Science Research Paper Award, 2016

INSTITUTIONAL & PROFESSIONAL SERVICE ACTIVITIES

University of Wyoming

Committee Member, Department of Animal Science Outreach Committee (Spring 2024 – present)
Search Committee Member, Office Associate, Department of Animal Science (Summer 2023-Spring 2024)
Curriculum Committee, Ranch Management Ag Leadership Program (Summer 2022 – Spring 2023)
Committee Member, Department of Animal Science Tenure & Promotion Guidelines (Spring 2022 – Present)
Search Committee Member, Lecturer, Asst - Assistant/Associate Director, Ranch Management and Agricultural Leadership (Spring 2022 – Fall 2022)
Search Committee Member, Assistant or Associate Professor, Forage Crop Production & Weed Management (Spring 2022 – Fall 2022)
Search Committee Member, Asst Lecturer/Livestock Judging Coach (Fall 2021- Spring 2022)
Wyoming Collegiate Cattle Association – Co-advisor (Spring 2021 – Present)

Professional Service and Collaborations:

NC1201 Multistate Research Project - Methods to Increase Reproductive Efficiency in Cattle
Beef Reproduction Task Force committee member (2021 – present)
Beef Reproduction Task Force Chair (2025 – present)
Beef Reproduction Task Force Treasurer (2021 – 2024)
Range Beef Cow Symposium Committee Member
Hosted WSASAS Regional Academic Quadrathlon at the University of Wyoming (Spring 2023)
WSASAS Graduate Student Paper Competition Committee member (2021-present)
American Society of Animal Science member
National Cattlemen's Beef Association member
Wyoming Cattlewomen's member
California Cattlewomen's member

Ad-Hoc Journal Reviewer

Animals
Animal Reproduction Science
The University of Georgia – Extension Bulletin