

EXECUTIVE SUMMARY

With varied professional and educational experiences in many areas of the agricultural industry (farm hand, data analyst, researcher, first author, laboratory technician), I have the ability to solve dynamic and complex challenges within livestock production and marketing while building relationships with diverse stakeholders.

PROFESSIONAL EXPERIENCE

Feedlot Health Management Services
Technical Assistant

Okotoks, AB
July 2020-Current

- Review, update and maintain animal performance and carcass databases to influence end-point profitability for clients across the globe
- Create and update advanced models to project cattle flow through feedlots resulting in evidence-based and data-informed approach to decision-making
- Schedule animal health protocols to ensure optimal animal care and performance
Schedule marketing dates for clients to help fill contracts and ensure optimal profit
- Determine optimal cattle finishing end points to increase revenue
- Bidirectionally communicate between internal data science and feedlot expert teams, translating perspectives, ideas and issues to create value for clients
- Review, update, and maintain client financial benchmarks

Wyoming State Veterinary Laboratory
Laboratory Technician

Laramie, WY
April 2016- May 2017

- Perform ELISA and serum neutralization tests on domestic animals and wildlife for diagnostic purposes promoting positive livestock health outcomes
- Tests included, but not limited to BRD, BVD, IBR, PI3, BRSV, Johnes, *B. Ovis*, Lepto., and West Nile Virus
- Working as part of a team with veterinarians and laboratory technicians to support the efforts of the vet lab

EDUCATION

Master of Science, Animal Science - Ruminant Nutrition

(2018-2020)

University of Nebraska-Lincoln
Advisor: Dr. Travis Mulliniks

Bachelor of Science, Animal and Veterinary Sciences

(2015-2018)

University of Wyoming
Advisor: Dr. Brant Shumaker
Minor: Farm and Ranch Mgmt.
Advisor: Dr. John Ritten

EXTENSION EXPERIENCE

- Consult with local ranchers one on one to provide support on diet formulation, heifer development strategies, and overwinter management strategies for their cow herds

- Presented at University of Nebraska extension meeting in Atkinson, NE. Title: Nutritional management of the cowherd from weaning to calving for increased success post-calving. December 5, 2019.
- Assist in planning, organizing, and preparation for events hosted at the Gudmundsen Sandhills Laboratory

PROFESSIONAL PRESENTATIONS

- Present data relative to client specific key performance indicators; 2020- current
- American Society of Animal Scientists-Western Section young scholar invited talk; June 2020
- American Society of Animal Scientists-Western Section oral presentation; June 2019
- American Society of Animal Scientists-Western Section undergraduate student poster competition, June 2018

PROFESSIONAL MEMBERSHIPS

- American Society of Animal Science Western Section, 2017-2020
- Wyoming Stock Growers Association, 2016-2018
- Wyoming Collegiate Cattle Association, 2016-2018
- University of Wyoming Pre-Veterinary Club, 2016-2018
- University of Wyoming Range Club, 2015-2017

SERVICE

- IANR Graduate Committee Animal Science Student Representative, 2019-2020
 - Attend meetings monthly
 - Participate in discussion relative to graduate policy and procedure
- Student Ambassador for the University of Wyoming College of Agriculture and Natural Resources - Chair, 2018
 - Plan, organize, and host bi-weekly meetings
 - Invite guest speakers from departments across campus to inform Ambassadors on current events in various departments
 - Maintained and updated College of Agriculture Student Ambassador website
 - Promote the College of Agriculture and Natural Resources at on and off campus events

AWARDS

- American Society of Animal Science Western Section Young Scholar Award, 2020
- Larrick/Whitmore Graduate Student Travel Grant Recipient, 2019
- Awarded competitive graduate assistantship to University of Nebraska-Lincoln, 2018
- Received Wyoming State Veterinary Laboratory Achievement Award, 2018
- Phi Theta Kappa Honors Society, 2015
- Tau Sigma National Honors Society, 2016
- The National Society of Leadership and Success, 2016

PUBLICATIONS

Ziegler, R. L., J. A. Musgrave, T. L. Meyer, E. J. Dennis, J. C. MacDonald, K. J. Hanford, R. N. Funston, J. T. Mulliniks. 2020. The impact of cow size on cow-calf and post-weaning progeny performance in Nebraska Sandhills. *Translational Animal Science*. 4:4. doi: 10.1093/tas/txaa194

Ziegler, R. L. 2020. Impact of cow size and validation of an electronic feeding system to optimize resources in beef production. M.S. Thesis. University of Nebraska, Lincoln.

Ziegler R. L., T. J. Mulliniks. 2019. Tips to Improve Cow Performance While Consuming Low-quality Forages. <https://beef.unl.edu/beefwatch/tips-improve-cow-performance-while-consuming-low-quality-forages>

Ziegler, R. L., Austin, K. J., Blake, J. E., Rowell, J. E., Cupp, A. S., Shipka, M. P., Alexander, B. M. 2018. Depo-Provera increases neural activity in the central amygdala of reindeer bulls. *Translational Animal Science*. 2: 1, 94. <https://doi.org/10.1093/tas/txy075>

Sutton, C. M., **Ziegler, R. L.,** Austin, K. J., Alexander, B. M. 2018. Quantitative comparison of TRPM8 positively stained neurons in the hypothalamus and amygdala of rams categorized behaviorally as low or high sexual performers. *Translational Animal Science*. 2:1, 173-174. <https://doi.org/10.1093/tas/txy021>