

Curriculum Vitae

Amanda S. Reiter

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EDUCATION

PH.D Animal Science	2019 – Present
University of Connecticut, Storrs, Connecticut Department of Animal Science	
M.S. Animal Science	2019
University of Minnesota, Twin Cities, Minnesota Department of Animal Science	
B.S. Animal Science: Equine Emphasis	2017
University of Minnesota, Twin Cities, Minnesota Department of Animal Science	

TEACHING EXPERIENCE

Teaching Assistant: Advanced Animal Nutrition (Dept. of Animal Science) University of Connecticut	Fall 2019
Teaching Assistant: Human and Animal Physiology Lab (Dept. of Animal Science) University of Minnesota	Spring 2019
Teaching Assistant: Animal Growth and Development (Dept. of Animal Science) University of Minnesota	Spring 2018

RESEARCH EXPERIENCE

Graduate Research Assistant, Reed Lab	2019 – Present
University of Connecticut, Storrs, Connecticut Advisor: Dr. Sarah Reed <i>Conducting research evaluating the influence of maternal diet during gestation on offspring growth and development and the role of inflammation and oxidative stress</i>	

Graduate Research Assistant, Equine Lab

2017 – 2019

University of Minnesota, Twin Cities, Minnesota

Advisors: Dr. Marcia Hathaway and Dr. Krishona Martinson

Conducted research examining round-bale wrap types in long-term storage, beef cattle waste and preference when fed stored forage and determined the effect of β -hydroxy β -methylbutyrate on protein synthesis in equine myogenic satellite cells

Undergraduate Research Assistant, Equine Nutrition

2016 – 2017

University of Minnesota, Twin Cities, Minnesota

Advisor: Dr. Marcia Hathaway and Dr. Krishona Martinson

Daily care for research horses, assist with research projects including; grazing work, forage hand-sampling, forage maturity staging, blood collection, blood processing for serum and plasma

REFEREED PUBLICATIONS

1. A.M. Grev, M.R. Hathaway, C.C. Sheaffer, M.S. Wells, **A.S. Reiter**, K.L. Martinson. 2021. Apparent digestibility, fecal particle size, and mean retention time of reduced lignin alfalfa hay fed to horses. *Journal of animal science*, 99(7).
2. **A.S. Reiter**, A. DiCostanzo, M. Webb, J. Zeltwanger, C.C. Sheaffer, A. Jaqueth, K.L. Martinson. 2020. Forage quality and beef cow preference is affected by wrap type of conventional and reduced-lignin alfalfa round bales stored outdoors. *Translational Animal Science*, 4(3).
3. **A.S. Reiter**, C.C. Sheaffer, M.S. Wells, A.M. Grev, M.A. Hathaway, B. Lazarus, K.L. Martinson. 2020. Effect of Alfalfa Cultivar and Bale Wrap Type on Dry Matter and Forage Quality of Large Round Bales in Outdoor Storage. *Applied Engineering in Agriculture*, 36(6), 975-982.
4. M.L. Deboer, M.R. Hathaway, K.J. Kuhle, P.S.D. Weber, **A.S. Reiter**, C.C. Sheaffer, M.S. Wells, and K.L. Martinson. 2018. Glucose and insulin response of horses grazing alfalfa, perennial cool-season grasses and teff across seasons. *J. Equine vet. Sci.* 68; 33-38.

ABSTRACTS

1. N.M. Tillquist, **A.S. Reiter**, M.Y. Kawaida, B.I. Smith, S.A. Reed, S.A. Zinn, K.E. Govoni. 2021. Poor gestational nutrition impacts sheep offspring growth but not feed efficiency. *Journal of Animal Science*, 99, 311-311.
2. Kawaida, M. Y., Kwon, O. S., Anh, A., **Reiter, A. S.**, Tillquist, N. M., & Reed, S. A. 2021. 500 Late-Breaking: Heart Rate During Exercise Is Positively Correlated with State IV Mitochondrial Respiration in the Equine Skeletal Muscle. *Journal of Animal Science*, 99, 105-106.
3. **A.S. Reiter**, M.S. Wells, C.C. Sheaffer, A.M. Grev, M.R. Hathaway, K.L. Martinson. 2019. Effect of alfalfa variety and bale wrap-type on dry matter loss and forage nutritive value of round bales in long-term, outdoor storage. *J. Equine vet. Sci.* 76: 92-93.
4. **A.S. Reiter**, M.L. Deboer, K.J. Kuhle, C.C. Sheaffer, M.S. Wells, M.R. Hathaway, and K.L. Martinson. 2017. Variation in nitrate concentration of alfalfa, perennial cool-seasonal grasses, and

PROCEEDINGS

1. **A.S. Reiter**, M.S. Wells, C.C. Sheaffer, A.M. Grev, M.R. Hathaway, K.L. Martinson. Effect of alfalfa variety and bale wrap-type on dry matter loss and forage nutritive value. In Proceedings: Equine Science Society Annual Meeting. Asheville, NC.
2. **A.S. Reiter**, M.S. Wells, C.C. Sheaffer, A.M. Grev, K.L. Martinson. 2019. The effect of wrap-type on dry matter and nutritive values of alfalfa hay in long-term storage. In Proceedings: Midwest Forage Association symposium. Wisconsin Dells, WI.
3. **A.S. Reiter**, A. Jaqueth, A. DiConstanzo, C.C. Sheaffer, J. Zeltwanger, K.L. Martinson. 2019. The effect of wrap type on hay waste and preference in beef cattle. In Proceedings: Midwest Forage Association symposium. Wisconsin Dells, WI.
4. **A.S. Reiter**, M.S. Wells, C.C. Sheaffer, A.M. Grev, K.L. Martinson. 2019. Wrap-type affects dry matter and nutritive values of alfalfa hay in long-term storage. In Proceedings: American Forage and Grassland Council 2019 Annual Meeting. St. Louis, MO.
5. A.M. Grev, M.R. Hathaway, **A.S. Reiter**, C.C. Sheaffer, M.S. Wells, and K.L. Martinson. 2019. Apparent digestibility, fecal particle size, and mean retention time of reduced lignin alfalfa hay fed to horses. In Proceedings: American Forage and Grassland Council 2019 Annual Meeting. St. Louis, MO.
6. **A.S. Reiter**, M.S. Wells, C.C. Sheaffer, A.M. Grev, K.L. Martinson. 2018. Wrap-type affects dry matter and nutritive values of alfalfa hay in long-term storage. In Proceedings: 2018 Minnesota Nutrition Conference. Mankato, MN.
7. **A.S. Reiter**, M.L. DeBoer, M.R. Hathaway, K.J. Kuhle, C.C. Sheaffer, M.S. Wells, K.L. Martinson. 2018. Plasma amino acid concentrations of horses grazing alfalfa, cool-season perennial grasses, and teff. In Proceedings: University of Minnesota Animal Science Showcase. St. Paul, MN.
8. **A.S. Reiter**, M.L. DeBoer, M.R. Hathaway, K.J. Kuhle, C.C. Sheaffer, M.S. Wells, K.L. Martinson. 2018. Plasma amino acid concentrations of horses grazing alfalfa, cool-season perennial grasses, and teff. In Proceedings: American Forage and Grassland Council 2018 Annual Meeting. Louisville, KY.
9. **A.S. Reiter**, M.L. DeBoer, K.J. Kuhle, C.C. Sheaffer, M.S. Wells, M.R. Hathaway, K.L. Martinson. 2017. Variation in nitrate concentration of alfalfa, perennial cool-season grasses, and teff grazed by horses in the Upper Midwest. In Proceedings: Equine Science Society Annual Meeting. St. Paul, MN.

EXTENSION AND OUTREACH

1. April 2019. "Using your Hay Supply Efficiently". Minnesota Horse Expo, St. Paul, MN
2. January 2019. "The effect of wrap-type on dry matter and nutritive value of alfalfa hay in long-term storage" Midwest Forage Association Tour de Forage, Royalton, MN
3. January 2019. "Feeding the Overweight Horse". MN Horse Breeders Association, Waseca, MN

4. November 2018. "Feeding the Senior Horse". Horse Crazy Market, St. Paul, MN
5. August 2018. "Research Update". 9th Annual Horse and Forage Field Day, St. Paul, MN
6. April 2018. "Demystifying Equine Nutrition". Minnesota Horse Expo, St. Paul, MN
7. March 2018. FFA Judge, State FFA Competition, St. Paul, MN
8. November 2017. "What should my horse eat". Dakota County 4-H fall meeting. Farmington, MN
9. November 2017. "Improving the Equine Topline". UMN Leatherdale Equine Center 10th Anniversary Youth Horse Owner Extravaganza. St. Paul, MN
10. October 2017. "Improving the Equine Topline". UMN Leatherdale Equine Center 10th Anniversary Adult Horse Owner Education Day. St. Paul, MN
11. August 2017. "Keep it clean, not green: maintaining water quality for horses". 8th Annual Horse and Forage Field Day, St. Paul, MN

GRANTS RECEIVED

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| 1. Midwest Forage Association, \$5,000
"Hay waste and beef cattle preference when fed conventional or reduced-lignin alfalfa round bales wrapped with twine, net wrap or B-Wrap®" | 2018 |
| 2. Undergraduate Research Opportunities Program, \$1,500
"Glucose and insulin response of horses grazing alfalfa, perennial cool-season grasses and teff across seasons" | 2016 |

HONORS AND AWARDS

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| 1. Outstanding Masters Student of the Year | 2019 |
| 2. Equine Science Society Graduate Student Competition, 3 rd place | 2019 |
| 3. Rising Scholar Recipient, Dept. Animal Science | 2017 – 2019 |

PROFESSIONAL AFFILIATIONS

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| American Society of Animal Science | 2020 – 2022 |
| American Forage and Grassland Council | 2017 – 2019 |

References Available Upon Request