

December 15, 2024

Dear Dr. Doyle and Search Committee,

I am thrilled to submit my application for the Associate Dean for Academic and Faculty Affairs in the College of Agricultural Sciences at Colorado State University. I have been a faculty member in the Department of Animal Sciences since 2008. Since then, I have progressed through the promotion and tenure process and have increased my administrative responsibilities at the department and college level. From 2008 to 2019 I served as the Extension Dairy Specialist for the state of Colorado, and in the summer of 2019, I assumed the role of Director of Undergraduate Programs for the Department of Animal Sciences. In fall of 2023, I was named interim Head for the Department of Agricultural Biology. My teaching, research, outreach and service accomplishments, as well as the leadership positions I have held during my employment at CSU, make me a strong candidate for the Associate Dean for Academic and Faculty Affairs position.

In my roles as Extension Dairy Specialist and Director of Undergraduate Programs for Animal Sciences, I leveraged efforts in the three areas of the Land Grant Mission to enhance student experience, and address challenges in the intersection of human and animal wellbeing in livestock agriculture. As Director of Undergraduate Programs for Animal Sciences and as interim Head for Agricultural Biology, I have demonstrated my commitment to teamwork, shared governance and participatory management, and my ability to mentor, facilitate dialogue, and create spaces where trust allows for meaningful engagement and creative thinking.

Throughout my career, I have demonstrated a strong commitment to academic excellence and faculty development. I formally served on the mentoring committees of nine Animal Sciences tenure track (TT) and continuing, contract and adjunct (CCA) faculty. While serving as Director of Undergraduate Programs for Animal Sciences, I developed and facilitated peer evaluations of teaching that resulted in exchange of knowledge between early career and seasoned instructors and served as evidence of teaching impact for faculty seeking promotion and tenure. As interim Head for Agricultural Biology, I regularly meet with TT and early career CCA faculty, and take advantage of any opportunity, formal or informal, to visit with faculty across ranks. I see myself as a connector and facilitator, and appreciate listening to, mentoring, and advocating and removing barriers for faculty engaged in impactful research and inclusive excellence in the classroom. Lastly, my commitment to academic excellence is evident in the multiple nominations and the teaching awards that I have been honored with throughout my tenure at CSU and the successful partnerships that have produced impactful research and a recent collaborative research award. Student feedback of my teaching has been extremely positive throughout the years; I continue to serve on Honors Thesis committees and am frequently sought out as graduate advisor by current and previous students.

My dedication to advancing the college's and university's commitment to diversity and inclusion is evident in all my teaching, research, outreach and service efforts. I have worked without pause to lead by example as I encourage faculty and academic advisors to embrace diversity, equity,

inclusion and justice (DEIJ) as an integral part of how we operate instead of seeing it as an added task or box to check in a performative fashion. I was a founding member and still serve on the Animal Sciences' DEI committee and have collaborated in CAS efforts to make syllabi more inclusive and promote educational opportunities in the DEIJ space. I served on the Council for Gender Equity on the Faculty (CoGen) and currently serve on Los Consejos, a HSI Advisory group. I spent the last two decades serving Colorado agriculture and giving a voice to agricultural laborers through research and outreach programs. For two consecutive years, I served as panel manager for the review of educational grants funded by USDA NIFA. This opportunity significantly increased my understanding of the challenges faced by institutions serving marginalized populations and the work yet to be done to make higher education equitable and academically just. I am committed to creating an inclusive learning and growing space for all our students, faculty and staff.

I have significant experience in academic leadership roles and have demonstrated my ability to lead and manage complex initiatives. Eight months after being named Director of Undergraduate Programs, COVID-19 created unexpected challenges for all of us, particularly those of us in education. While the pandemic drained resources and uncovered weaknesses in our system, it also presented an opportunity to rethink priorities and better ways to serve students. Efforts that included data analysis, creative thinking and excellent teamwork allowed our team to find spaces in which to teach courses that depended on hands-on learning. Under my leadership, Animal Sciences' faculty altered schedules, collaborated with CSU Online, and partnered with external collaborators to continue and in some cases expand our academic offerings. I served as an advocate for our teaching faculty and academic advisors, a connector, a scheduler, and successfully led a team in the face of uncertainty and exhaustion. Thanks to these efforts, Animal Sciences did not suffer the decline in student numbers experienced by other units across CSU. I continued employing strategies that proved useful in Spring 2020 to better enrollment, course capacity issues, and teaching resources needs. I proactively discussed potential challenges with teaching faculty, academic advisors and administrators, and was able to strategically address them by relying on the creativity and teamwork that allowed us to survive and, in some cases, thrive during a pandemic.

My leadership experiences in Animal Sciences were invaluable as I serve Agricultural Biology as interim Head. In a department with a rapidly growing undergraduate student population, I have enjoyed facilitating conversations to strategize recruitment efforts, make programs accessible to more and diverse students, and match teaching resources to evolving needs of the department. I addressed perceptions of teaching inequities by supporting faculty as they developed and approved a teaching workload document that provides guidelines for teaching expectations according to effort distributions for each faculty member. Through critical conversations, creativity and transparency, this effort led by faculty, was a critical step in improving departmental culture.

I possess strong communication, organizational, and interpersonal skills. My success as a communicator is evident not only in student feedback about my ability to organize complex concepts into easy-to-understand lectures, but in the number of invited talks that I continue to receive and, in my peer-reviewed and lay press publication record.

Organization of work tasks and excellent prioritization have allowed me to successfully serve as interim Head for the Department of Agricultural Biology, while effectively teaching a high enrollment, 3 credit course for the Department of Animal Sciences.

I credit my ability to collaborate and lead diverse and multidisciplinary teams and my success as Extension Dairy Specialist, teacher, researcher and administrator to my interpersonal skills. For many years, my office has been a safe space for students, faculty and staff to share their concerns. I approach difficult conversations with kindness and curiosity as appropriate. I connect students and faculty with university resources and serve as formal and informal mentor. I have created an environment of trust by listening, by keeping confidentiality as needed, and by following up in a timely manner.

My experience working collaboratively with diverse groups, including faculty, staff, and students has been crucial to my achievements at CSU. The research questions that I aim to address depend on a multidisciplinary approach. I have been successful in engaging with a diversity of internal and external partners to facilitate dialogue in the pursuit of solutions for emerging challenges including inadequate educational offerings, work related stressors, animal health risks, and public perception of common livestock industry practices. My work with CSU Extension and the dairy industry required the convergence of groups with competing perceptions, needs and goals, and I demonstrated the ability to effectively lead them. At CSU, I have created spaces where faculty and academic advisors can truly collaborate for student success. The university is a universe of individuals and ideas; diversity allows for innovation and furthers the impact of any and all of our efforts.

In addition to required qualifications for this position, I have experience in curriculum development, student success initiatives, experience with student recruitment and retention, including efforts to decrease educational gaps and inequities in access and attainment levels, and knowledge of university policies related to academic and faculty affairs. My work as the chair of the Animal Sciences curriculum committee focused on improving access, consistency, and quality of education. I led curricular changes, created mid-semester surveys to better understand challenges faced by students, and advising surveys to assess strengths and challenges in the advising services that students experience. I am currently involved in college-wide conversations about student recruitment and retention, and the support needed to alleviate gaps in achievements, and differences in sense of belonging. In my effort to support faculty, I have engaged with and coordinated discussions and partnerships with Student Disability Center and Student Resolution Center staff.

Collaborating with the Heads of Department across CAS and the rest of the CAS Leadership Team during the past fourteen months has been a positive experience and has reaffirmed my commitment of serving CSU in the space of faculty and student success. I have the experience, ability and motivation to excel as CAS Associate Dean for Academic and Faculty Affairs. I am confident that my leadership and the integrity with which I serve will allow me to affect the following for CAS: enhance student access and equity and reduce academic achievement gaps,

challenge students to think critically and have agency in their educational journeys, develop and implement processes for effective faculty onboarding, support and development, and increase academic justice. Please, do not hesitate to visit with my listed references and others. I look forward to serving the College of Agricultural Sciences in much the same manner as I have the Departments of Animal Sciences and Agricultural Biology.

Respectfully,

A handwritten signature in blue ink, appearing to be 'Noa Román-Muñiz', with a long horizontal flourish extending to the right.

Noa Román-Muñiz, DVM, MS (*she/her*)
Professor
Interim Head, Department of Agricultural Biology
Colorado State University
[REDACTED]

CURRICULUM VITAE

CV SECTION 1: Employment History/Awards

NAME

Ivette Noami Román-Muñiz

ADDRESS

[REDACTED]

EDUCATION

2004 Master of Science, Colorado State University.
2001 Doctor in Veterinary Medicine, University of Wisconsin-Madison.
1997 Pre-veterinary Program, University of Puerto-Rico-Mayaguez.

ACADEMIC POSITIONS

2020-present Professor, Animal Sciences, Colorado State University
2014-2020 Associate Professor, Animal Sciences, Colorado State University
2008-2014 Assistant Professor, Animal Sciences, Colorado State University

OTHER POSITIONS

2023-present Interim Head, Department of Agricultural Biology, Colorado State University
2019-present Director of Undergraduate Programs, Department of Animal Sciences, Colorado State University
2016-2019 Veterinary Service Grant Program Coordinator with College of Veterinary Medicine and Biomedical Sciences, Colorado State University
2008-2019 Extension Dairy Specialist, Department of Animal Sciences, Colorado State University
2004-2008 Post-Doctoral Fellow, Department of Clinical Sciences, Colorado State University
2001-2002 Intern, Food Animal Internal Medicine, and Surgery. Veterinary Teaching Hospital, Department of Clinical Sciences, Colorado State University

ACADEMIC JOB DESCRIPTION

October 2023 to Present
 20 % Teaching 80 % Administration
July 2019 to October 2023
 20 % Teaching 10 % Research/Creative Activity 70 % Service
January 2012 to July 2019
 30 % Teaching 20 % Research/Creative Activity 50 % Service/Outreach
August 2008 to December 2011
 65 % Teaching 25 % Research/Creative Activity 10 % Service/Outreach

HONORS AND AWARDS

2023 Excellence in Collaborative Research Award, College of Agricultural Sciences, Colorado State University, Fort Collins, CO.
2022 CSU Alumni Association's 2022 Best Teacher Award Recipient, Colorado State University Alumni Association, Fort Collins, CO.

- 2021 Nominated by the Department of Animal Sciences to the CS's Provost Office Kevin Ann Oltjenburns Outstanding Leadership Award.
- 2017 Golden Boot Teaching Award for excellence in teaching in Animal Sciences, Fort Collins, CO.
- 2013 Best Teacher Award Nominee, Colorado State University Alumni Association, Fort Collins, CO.
- 2012 Waterpik Excellence in Education Award, Colorado State University, Fort Collins, CO.
- 2012 Charles N. Shepardson Faculty Teaching Award, Colorado State University, Fort Collins, CO.
- 2012 NACTA Teaching Award of Merit certificate, North America Colleges and Teachers of Agriculture.
- 2012 Best Teacher Award Nominee, Colorado State University Alumni Association, Fort Collins, CO.
- 2011 Best Teacher Award Nominee, Colorado State University Alumni Association, Fort Collins, CO.
- 2010 Golden Boot Teaching Award for outstanding and innovative teaching in Animal Sciences, Fort Collins, CO.
- 2010 Invited to the Alpha Gamma Rho Dinner with faculty members that have impacted members' college experience.
- 2010 Nominated to the ASAS Extension Award.
- 2010 Nominated to the Honors Professor Award.
- 2005 Second Place, Oral Presentation. 6th Annual CVMBS Research Symposium, Fort Collins, CO.
- 2003 Mark A. Gearhart Memorial Scholarship, Fort Collins, CO.
- 2002 Kingman Scholarship, Fort Collins, CO.
- 1997 Gamma Sigma Delta Junior Scholarship Award of Merit, Mayaguez, PR.
- 1996 All American Scholar, University of Puerto Rico, Mayaguez, PR.
- 1996 Alpha Zeta Honor Fraternity, P.R. Chapter Certificate of Merit, Mayaguez, PR.
- 1996 Gamma Sigma Delta, Academic Excellence Certificate, Mayaguez, PR.
- 1996 Gamma Sigma Delta Outstanding Academic Achievement Award of Merit, Mayaguez, PR.
- 1996 Gamma Sigma Delta Sophomore Scholarship Award of Merit, Mayaguez, PR.
- 1995 Gamma Sigma Delta Pre-Veterinary Scholarship Award of Merit, Mayaguez, PR.
- 1995-96 Dean's List, University of Puerto Rico, Mayaguez, PR.
- 1995-96 Honor Diploma, University of Puerto Rico, Mayaguez, PR.
- 1995 Elected Student Representative, Academic Senate, on basis of Academic Performance, University of Puerto Rico, Mayaguez, PR.

CV SECTION 2: Publications/Scholarly Record

PUBLISHED WORKS (*Denotes first author or senior author)

Refereed Journal Articles: (published, in press)

1. Edwards-Callaway, L., McBride, B., Machuca, E., Dean, L., Sayre, K., Cramer, C., **Román-Muñiz, N.**, Keller, K., Stallones, L., & Manriquez, D. 2024. Expert Consultation: Factors Influencing End-of-Life Decision-Making for Dairy Cattle Across the United States Supply Chain. *Animals*, 14(22), 3311. <https://doi.org/10.3390/ani14223311>
2. Cramer, M. Caitlin; Machuca, Erica; **Roman-Muniz, Ivette**; Edwards-Callaway, Lily. 2024. Preliminary exploration of the health and behavior around the time of transportation of beef x dairy and Holstein bull calves ≤ 3 d of age in the western United States. *J Dairy Sci*, 107(4):2454-2464. <https://doi.org/10.3168/jds.2023-23886>
3. Cochran, H.; Bosco-Lauth, A.; Garry, F.; **Roman-Muniz, N.**; Martin, J. African Swine Fever: A Review of Current Disease Management Strategies and Risks Associated with Exhibition Swine in the United States. *Animals* 2023, 13(23), 3713. <http://doi.org/10.3390/ani13233713>

4. Cramer, M. Caitlin, Pempek, Jessica, **Roman-Muniz, Ivette**, Edwards-Callaway, Lily. 2024. Symposium Review: Dairy calf transportation in the US: welfare challenges and strategies to improve animal welfare. *JDS Communications*, 5(3):259-263. <https://doi.org/10.3168/jdsc.2023-0452>
5. Edwards-Callaway, Lily; Mijares, Sage; Okoren, Claire; Rogers, Corley; Sullivan, Paxton; Davis, Melissa; Cramer, M. Caitlin; **Roman-Muniz, Ivette**. Developing a model to promote caretaker confidence and communication in treatment decisions for dairy cattle through case studies. 2024. *J Animal Sci*, 107(4):2321-2331. <https://doi.org/10.3168/jds.2023-23698>
6. Paxton Sullivan, Colton Smith, Erica Machuca, Abigail Figan, Sage Mijares, **Noa Roman- Muniz**, Catie Cramer, Jason Ahola, Lorann Stallones, Lily Nowell Edwards-Callaway. Exploring undergraduate students' perceptions of food animal production and their sense of belonging in an introductory animal science course. 2023. *Front. Anim. Sci. Sec. Animal Welfare and Policy*, 4. <http://doi.org/10.3389/fanim.2023.1268719>
7. Ferree, L., Edwards-Callaway, L.C, **Roman-Muniz, I.N**, Coetzee, J.F., Applegate, T, Ollivett, T.L. and Cramer, M.C. 2023. Oral meloxicam given as an ancillary treatment at respiratory disease diagnosis was not associated with growth, clinical scores, or ultrasound scores in preweaned dairy calves. *JAVMA*, 261(11). <https://doi.org/10.2460/javma.23.06.0361>
8. Palomares Velosa, J.E.; Rao, S.; **Roman-Muniz, I.N.**; Steneroden, K.; Salman, M.D. Developing the Social Ecology of Occupational Zoonoses Instrument: A Comprehensive Tool for Measuring Social and Behavioral Factors in Agricultural Settings. *Agriculture* 2023, 13(9), 1655; <https://doi.org/10.3390/agriculture13091655>
9. Ana Velasquez-Munoz, Sangeeta Rao, **Noa Roman-Muniz**, Pablo Pinedo. Early life behavior and disease dynamics of pair-housed Holstein heifer calves. 2023. *Applied Animal Behaviour Science*, Volume 265, August 2023, 105982. <https://doi.org/10.1016/j.applanim.2023.105982>
10. Mijares, S., Edwards-Callaway, L.C, **Roman-Muniz, I.N**, Coetzee, J.F., Applegate, T, and Cramer, C., Veterinarians' perspectives of pain, treatment, and diagnostics for bovine respiratory disease in preweaned dairy calves. 2023. *Front. Pain Res., Sec. Veterinary and Comparative Pain*, Volume 4. <https://doi.org/10.3389/fpain.2023.1076100>
11. Lily Nowell Edwards-Callaway, Joshua Keller, Katrina Oselinsky, Elizabeth Johnstone, Catie Cramer, **Ivette Noa Roman-Muniz**, Lorann Stallones, Johann (Hans) Coetzee. 2023. A nationwide survey on producer and veterinarian perceptions of the painfulness of procedures and disease states in dairy and beef cattle. *Front. Pain Res., Sec. Veterinary and Comparative Pain*, Volume 4. <https://doi.org/10.3389/fpain.2023.1059224>
12. Edwards-Callaway, L. N., Mijares, S. H., Simpson, H. M., Cramer, M. C., **Román-Muñiz, I. N.**, & Stallones, L. 2022. Preliminary Exploration of Training, Perspectives, and Mental Health Program Awareness in Slaughter Plant Workers Who Perform Stunning as Part of Their Job, *Journal of Applied Animal Ethics Research*, 4(2), 119-139. <https://doi.org/10.1163/25889567-bja10030>
13. Sullivan, P.; Mijares, S.; Davis, M.; Oselinsky, K.; Cramer, C.; **Román-Muñiz, N.**; Stallones, L.; Edwards-Callaway, L. A Nationwide Survey of Animal Science Students' Perceptions of Animal Welfare across Different Animal Categories at Institutions in the United States. *Animals* 2022, 12(17), 2294; <https://doi.org/10.3390/ani12172294>
14. Paxton Sullivan, Melissa Davis, Colton L Smith, Robert Delmore, **Noa Román-Muñiz**, Catie Cramer, Lorann Stallones, Lily Edwards-Callaway. 2022. A preliminary exploration of the impact of experiential learning on animal science undergraduates' perceptions of humane stunning and slaughter, *Translational Animal Science*, txac108, <https://doi.org/10.1093/tas/txac108>
15. Sage Mijares, Lily Edwards-Callaway, Elizabeth Johnstone, Lorann Stallones, **Noa Roman-Muniz**, Catie Cramer, Johann Coetzee. Frequencies of disagreements between producers and veterinarians about pain management in cattle. Accepted to *JDS Communications*, June 23, 2022. <https://doi.org/10.3168/jdsc.2022-0232>

16. Velasquez, Ana; Meza-Correa, Natalia; Rao, Sangeeta; Manriquez, Diego; **Roman-Muniz, Ivette**; Pinedo, Pablo. 2022. Effect of a 2-step probiotic program on digestive health and performance of Holstein heifer calves. *JDS*, 105(9), 7642-7653. <https://doi.org/10.3168/jds.2021-21589>
17. L. Ferree, **N. Roman-Muniz**, L. Edwards-Callaway, T. Buchan, J. Todd, and C. Cramer, Assessing the effect of case-based teaching compared with lecture-based teaching on students' knowledge and perceptions in a senior undergraduate dairy cattle management course, *Translational Animal Science*, Volume 6, Issue 2, April 2022, txac033, <https://doi.org/10.1093/tas/txac033>
18. Edwards-Callaway L, Simpson H, **Román-Muñiz N**, Cramer C, Mijares S, Stallones L, Rivera-Gonzalez J, Aberle J. Preliminary Exploration of Weekly Peer Group Discussions as a Strategy for Coping with Feelings Associated with Euthanasia in Dairy Caretakers. *International Journal of Environmental Research and Public Health*. 2022; 19(4):2177. <https://doi.org/10.3390/ijerph19042177>
19. Sage Mijares, Paxton Sullivan, Catie Cramer, **Noa Roman-Muniz**, Lily Edwards-Callaway, Perceptions of animal welfare and animal welfare curricula offered for undergraduate and graduate students in Animal Science departments in the United States, *Translational Animal Science*, 2021; txab222, <https://doi.org/10.1093/tas/txab222>
20. S. Paudyal, J. E. Lombard, P. Melendez, **I. N. Roman-Muniz**, R. J. Callan, F. Maunsell, and P. Pinedo. 2021. Lying and stepping behaviors around corrective or therapeutic claw trimming. *JDS Communications*. Published online June 2, 2021. <https://doi.org/10.3168/jdsc.2020-0044>
21. Jairo Enrique Palomares Velosa, Mo D. Salman, **Ivette N. Roman-Muniz**, Stephen Reynolds, Lindsey Linke, Roberta Magnuson, Craig McConnel, and Sangeeta Rao. 2021. Socio-Ecological Factors of Zoonotic Diseases Exposure in Colorado Dairy Workers. *Journal of Agromedicine*, 26(2); 151-16. Published online Feb 13, 2020. <https://doi.org/10.1080/1059924X.2020.1725700>
22. ***Román-Muñiz IN**, Cramer MC, Edwards-Callaway LN, Stallones L, Kim E, Thompson S, Simpson H, Mijares S. Dairy Caretaker Perspectives on Performing Euthanasia as an Essential Component of Their Job. *Animals* 2021, 11(2):289. <https://doi.org/10.3390/ani11020289>
23. Simpson, H.; Edwards-Callaway, L.N.; Cramer, M.C.; **Roman-Muniz, I.N.**; Stallones, L.; Thompson, S.; Ennis, S.; Kim, E.; Paris-Garcia, M. Preliminary Study Exploring Caretaker Perspectives of Euthanasia on Swine Operations. *Animals* 2020, 10, 2296. <https://doi.org/10.3390/ani10122296>
24. Edwards-Callaway, L.N.; Cramer, M.C.; **Roman-Muniz, I.N.**; Stallones, L.; Thompson, S.; Ennis, S.; Marsh, J.; Simpson, H.; Kim, E.; Calaba, E.; Paris-Garcia, M. Preliminary Exploration of Swine Veterinarian Perspectives of On-Farm Euthanasia. *Animals* 2020, 10, 1919. <https://doi.org/10.3390/ani10101919>
25. Magee, C., McDaniel S., Turk, P., Striegel, N., **Roman-Muniz, I.N.** 2020. Information-seeking preferences of the Colorado equine industry for distribution of disease outbreak information. *Journal of Equine Veterinary Science*. 91. <https://doi.org/10.1016/j.jevs.2020.103126>
26. Walker, J.B., **Roman-Muniz, I.N.**, Edwards-Callaway, L.N. 2020. Timely Euthanasia in the United States Dairy Industry—Challenges and a Path Forward. *Animals*. 10(1): 71. <https://doi.org/10.3390/ani10010071>
27. ***Rink, K.A.**, Turk, P., Archibeque-Engle, S., Wilmer, H., Ahola, J.K., Hadrich, J.C., and **Roman-Muniz, I.N.** 2019. Dairy producer perceptions of the Farmers Assuring Responsible Management (FARM) Animal Care Program. *J Dairy Sci*. 102(12);11317-11327. <https://doi.org/10.3168/jds.2019-16859>
28. S. Paudyal, P. Melendez, D. Manriquez, A. Velasquez, G. Pena, **I. N. Roman-Muniz**, P. J. Pinedo. 2019. Use of milk electrical conductivity for the differentiation of mastitis causing pathogens in Holstein cows. *Animal*. 1-9. <https://doi.org/10.1017/S1751731119002210>
29. C. A. Atkins, K. R. Pond, C. K. Madsen, V. J. Moorman, **I. N. Roman-Muniz**, S. L. Archibeque, and T. Grandin. 2019. Sensor analysis and initial assessment of detectable first hoof contacts and last break-overs as unique signal fluctuations for equine gait analysis. *Translational Animal Science*. 3(4). <https://doi.org/10.1093/tas/txz089>

30. *Menger-Ogle, L.M., Pezzutti, F., Menger-Ogle, A.D., Stallones, L., Rosecrance, J., **Roman-Muniz, I.N.** 2019. Occupational Safety and Health of Foreign-Born, Latinx Dairy Workers in Colorado. *JOEM*, 61(1): 61-68.
31. S Paudyal, G Pena, P Melendez, **I N Roman-Muniz**, P J Pinedo. 2018. Relationships among quarter milk leukocyte proportions and cow and quarter-level variables under different intramammary infection statuses. *Translational Animal Science*, 2(3):231–240. <https://doi.org/10.1093/tas/txy065>
32. Margaret E. Davidson, Joshua Schaeffer, Maggie L. Clark, Sheryl Magzamen, Elizabeth J. Brooks, Thomas J. Keefe, Mary Bradford, **Noa Roman-Muniz**, John Mehaffy, Gregory Dooley, Jill Poole, Frank M. Mitloehner, Sue Reed, Mark B. Schenker, and Stephen J. Reynolds. 2017. Personal Exposure of Dairy Workers to Dust, Endotoxin, Muramic Acid, Ergosterol and Ammonia on Large-Scale Dairies in the High Plains Western United States. *JOEH*, 15(3):1-12. <https://DOI.org/10.1080/15459624.2017.1403610>
33. Adams, A.E, Lombard, J.E., Fossler, C.P., **Roman-Muniz, I.N.**, Koprak, C.A. 2017. Associations between housing and management practices and the prevalence of lameness, hock lesions, and thin cows on U.S. dairy operations. *J Dairy Sci* 100(3):2119-2136. <http://dx.doi.org/10.3168/jds.2016-11517>
34. *Menger LM, Rosecrance J, Stallones L and **Roman-Muniz IN**. 2016. A Guide to the Design of Occupational Safety and Health Training for Immigrant, Latino/a Dairy Workers. *Front. Public Health* 4:282. <https://doi.org/10.3389/fpubh.2016.00282>
35. *Adams, A.E., J.K. Ahola, M. Chahine, and **I.N. Roman-Muniz**. 2016. Effect of Dairy Beef Quality Assurance Training on Dairy Worker Knowledge and Welfare-Related Practices. *Journal of Extension*. 54(5).
36. Autenrieth, D, Brazile, W, Sandfort, D, Douphrate, D, **Roman-Muniz, IN**, and Reynolds, S. 2016 Comparing OHSMS Programming with Injury Rates in Poultry Production. *Journal of Agromedicine*, 21(4). <https://doi.org/10.1080/1059924X.2016.1211575>
37. *A. E. Adams, J. K. Ahola, M. Chahine, A. L. Ohlheiser, and **I.N. Roman-Muniz**. 2016. Effect of on-farm dairy beef quality assurance training on selected welfare- and beef quality assurance-related traits in lactating dairy cows. *The Professional Animal Scientist* 32(3):368-374. <http://doi.org/10.15232/pas.2015-01443>
38. *Menger LM, Pezzutti F, Tellechea T, Stallones L, Rosecrance J and **Roman-Muniz IN**. 2016. Perceptions of Health and Safety among Immigrant Latino/ a Dairy Workers in the U.S. *Front. Public Health* 4:106. <http://doi.org/10.3389/fpubh.2016.00106>
39. Autenrieth, D.A., Brazile, W.J., Sandfort, D.R., Douphrate, D.I., **Román-Muñiz, I.N.**, & Reynolds, S.J. 2016. The associations between occupational health and safety management system programming level and prior injury and illness rates in the U.S. dairy industry. *Safety Science*, 84:108-116. <http://doi.org/10.1016/j.ssci.2015.12.008>
40. Crystal M Warner, Sahng-Wook Hahm, Shawn L Archibeque, John J Wagner, Terry E Engle, **Ivette N Roman-Muniz**, Dale Woerner, Mark Sponsler and Hyungchul Han. 2015. A comparison of supplemental calcium soap of palm fatty acids versus tallow in a corn-based finishing diet for feedlot steers. *Journal of Animal Science and Technology*. 57:25. <http://doi.org/10.1186/s40781-015-0053-5>
41. *A. E. Adams, F. J. Olea-Popelka, T. Grandin, D. R. Woerner, **I. N. Roman-Muniz**. 2014. Dairy cow handling facilities and the perception of beef quality assurance on Colorado dairies. *Journal of Dairy Science*. 97(2).
42. *Adams AE, Olea-Popelka FJ, **Roman-Muniz, IN**. 2013. Using temperature-sensing reticular boluses to aid in the detection of production diseases in dairy cows. *Journal of Dairy Science*. 96(3):1549-1555.
43. McCulloch Katelyn, Parsons, Jay, **Roman-Muniz, I. Noa**. 2012. Extension’s Guide to Sexed Semen: A Dairy Case Study. *Journal of Extension*. 50(4).
44. ***Roman-Muniz, Ivette N.**, Van Metre, David C. 2011. Development of a Bilingual Tool to Train Dairy Workers in the Prevention and Management of Non-Ambulatory Cows. *Journal of Extension*. 49(6).

45. Dewell, R.D., **Roman-Muniz, I.N.**, Scanga, J.A., Fails, A.D., Whalen, L.R., McCarthy, B.J., Hoffman, T.W., Woerner, D.R., Belk, K.E., Smith, G.C., Salman, M.D. 2009. Development of Interactive Multimedia Training Materials to Train Beef Packing Plant Workers in the Identification and Removal of Specified Risk Materials. *Journal of Extension*. 47(1).
46. ***Ivette N. Román-Muñiz, DVM, MS**, David C. Van Metre, DVM, DACVIM, Franklin B. Garry, DVM, MS, DACVIM, Stephen J. Reynolds, Ph.D., CIH, William R. Wailes, Thomas J. Keefe, Ph.D. 2006. Training methods and association with worker injury on Colorado dairies: A survey. *Journal of Agromedicine*; 11(2):19-26. https://doi.org/10.1300/J096v11n02_05
47. ***Roman-Muniz IN**, Van Metre DC, Hirst HL, Garry FB, 2004. Training Spanish-speaking livestock workers: Theory and practice. *The Bovine Practitioner*; 38(2):122-125.
48. ***Ivette N. Román-Muñiz, DVM**, David C. Van Metre, DVM, DACVIM, Robert de J. Cruz Arámbulo, DVM, Randall J. Basaraba, DVM, PhD, DACVP, Robert J. Callan, DVM, MS, PhD, DACVIM, Stephen J. Withrow, DVM, DACVS, DACVIM. 2003, What is your Diagnosis? *JAVMA*; 6:717-18.

Refereed Chapters in Books:

1. ***Roman-Muniz, I.N.** (2018) The Downer Cow. In B. Rollin (Ed.), *The Welfare of Cattle*. (pp. 311-321). Boca Raton, FL: CRC Press.
2. Autenrieth D., **Román-Muñiz N.** (2018) Needs and Opportunities for Applying Voluntary Occupational Health and Safety Management Systems in the High-Hazard U.S. Dairy Production Industry. In: Arezes P. (eds) *Advances in Safety Management and Human Factors*. AHFE 2017. *Advances in Intelligent Systems and Computing*, vol 604. Springer, Cham.

Refereed Proceedings/Transactions (including peer-reviewed abstracts):

1. **I.N. Roman-Muniz**. 2023. Cultural awareness for veterinarians working with LatinX livestock caretakers. American Association of Bovine Practitioners Recent Graduate Conference Proceedings, 56 (1): 47-8. <https://doi.org/10.21423/aabppro20238739>
2. Papinchak, L., **N. Roman-Muniz**, L. Edwards-Callaway, J. Todd, T. Buchan, and C. Cramer. 2021. Assessing the effect of case-based teaching methods compared to lecture-based teaching methods on students' knowledge in a senior Dairy Management Course. ADSA Annual Meeting, virtual.
3. N.J. Nealon, J. Daniels, K. Murray, **I.N. Román-Muñiz**, J.E. Palomares Velosa, R. Magnuson, J. Scaria, S. Rao. 2020. Occupational exposure of dairy farm workers and working environment to multidrug resistant *Salmonella enterica*. Conference of Research Workers in Animal Diseases (CRWAD). <https://crwad.org/wp-content/uploads/CRWAD-2020-Proceedings-FINAL.pdf>
4. Calaba, E., L.N. Edwards-Callaway, C. Cramer, **I. N. Roman-Muniz**, L. Stallones, S. Thompson, S. Ennis, H. Simpson, E. Kim, and M. Pairis-Garcia, 2020. Preliminary exploration of swine veterinarian perspectives on euthanasia on-farm, *Journal of Animal Science*, 98 (4): 216-7.
5. Simpson, H., L.N. Edwards-Callaway, C. Cramer, **I.N. Roman-Muniz**, L. Stallones, S. Thompson, S. Ennis, E. Kim, and M. Pairis-Garcia, 2020. Preliminary exploration of caretaker and manager perspectives of on-farm euthanasia on swine operations, *Journal of Animal Science*, 98 (4): 225-6.
6. ***Simpson, H., C. Cramer, L.N. Edwards-Callaway, L. Stallones, S. Thompson, S. Ennis, E. Kim, and I. N. Roman-Muniz**, 2020. Dairy worker perspectives on performing euthanasia as an essential component of their job, *Journal of Animal Science*, 98 (4): 216.
7. ***I. Noa Roman-Muniz, DVM, MS**, Kayla Rink, MS, Lauren Menger, PhD, Lorann Stallones, MPH, PhD, Pablo Pinedo, DVM. John Rosecrance, PhD, Flor Amaya-Soto, MV. 2019. Culturally Congruent Training program on Infectious and Zoonotic Disease Prevention for Latinx Dairy Workers. Western Ag Safety & Health Conference Abstract.
8. **I. N. Roman-Muniz**, E.J. Behlke. 2018. Communications and Cultural Awareness. *The AABP Proceedings*, 51(2), 250-251.

9. *Rink, K., Amaya-Soto, F. M., Menger-Ogle, L., Stallones, L., Pinedo, P. J., **Roman-Muniz, I. N.** 2018. Assessing the effectiveness of a training program for Latino(a) dairy workers on Colorado dairies. *Journal of Animal Science*, 96(suppl_3), 199-199. <http://dx.doi.org/10.1093/jas/sky404.432>
10. *K. A. Rink, P. J. Turk, S. L. Archibeque-Engle, J. K. Ahola1, J. C. Hadrich, **I. N. Román-Muñiz.** 2018. Producer perceptions of the National Dairy Farmers Assuring Responsible Management (FARM) Animal Care Program. Abstract in *J. Dairy Sci.* Vol. 101, Suppl. 2.
11. S. Paudyal, G. Pena, P. Melendez, A. Villarroel, **N. Roman-Muniz**, P. Pinedo. 2017. Quantifying milk leukocyte proportions in mastitic and healthy quarters. Abstract in *J. Dairy Sci.* Vol. 100, Suppl. 2.
12. *Menger, L., Pezzutti, F., Ogle, A., Amaya, F., Rosecrance, J., Stallones, L., and **Roman-Muniz, I.N.** 2017. Occupational Safety and Health among Immigrant, Latino/a Dairy Workers in Colorado. *Work, Stress and Health (WSH 2017) Abstract.*
13. Autenrieth, Dan, and **Roman-Muniz, Noa.** 2017. Needs and opportunities for applying voluntary occupational health and safety management systems in the high-hazard U.S. dairy production industry. 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017) Abstract.
14. *Flor Amaya-Soto, MV, Lauren Menger, PhD, Lorann Stallones, PhD, MPH, Pablo Pinedo, DVM, PhD, **Noa Roman-Muniz, DVM, MS.** 2016 Occupational Health and Safety (OHS) Knowledge Assessment: Audiovisual Training Program for Latino Workers in Colorado Dairies. Poster, Graduate Student Showcase, Colorado State University, Fort Collins, CO.
15. S. Zeller, M. Velázquez-Castillo, and **I. N. Román- Muñiz.** 2016. Spanish for animal health and care: Toward a certificate program in field-specific Spanish. Abstract in *J. Anim. Sci* Vol. 94, E-Suppl. 5/*J. Dairy Sci.* Vol. 99, E-Suppl. 1.
16. *Menger, L. M., Rosecrance, J., Stallones, L., & **Roman-Muniz, I. N.** 2016. A Review of Best Practice Recommendations for Training Immigrant, Latino/a Dairy Workers in the U.S. Poster, National Occupational Research Agenda Conference, Salt Lake City, UT.
17. Jairo E. Palomares Velosa, DVM, MS; Gwenith Fisher, BA, MA, PhD; **Noa Roman-Muniz, DVM, MS;** Craig McConnel DVM, MA, PhD; Lyndsey Linke, BS, ME, PhD; Roberta Magnuson BS; Sangeeta Rao, BVSc, MVSc, PhD; and Mo D. Salman, BVMS, MPVM, PhD. 2015. Socio-ecological model for zoonotic diseases exposure of dairy farm communities: a proposed approach. Poster, 2015 SNOCAP Convocation and CCTSI Community Engagement Research Exchange, Denver, CO.
18. ***I. Noa Roman-Muniz, DVM, MS,** John Rosecrance, PhD, Lauren M. Menger, MS, Florencia Pezzutti, MA, Flor Amaya, MV, Lorann Stallones, MPH, PhD. 2015. Dairy Worker Safety Training: Current Challenges and Opportunities for Enhanced Effectiveness. Abstract, International Congress on Rural Health as a social, economic and cultural engine, Lodi, Italy.
19. Menger, L. M., Stallones, L., Pezzuti, F., **Roman Muniz, N.,** & Rosecrance, J. 2015. Proceedings. Health and Safety Challenges among Dairy Workers in the United States International Conference Rural Health & Ragusa SHWA, Lodi, Italy.
20. Ashley E. Adams, Jason E. Lombard, **Ivette N. Roman-Muniz,** Charles P. Fossler, and Christine A. Koprak. 2015. Management practices that may affect dairy cow welfare on US dairy operations. Abstract in *J. Anim. Sci.* Vol. 93, Suppl. s3/*J. Dairy Sci.* Vol. 98, Suppl. 2.
21. Ashley E. Adams, Jason E. Lombard, Chelsey S. Shivley, Natalie J. Urie, **Ivette N. Roman-Muniz,** Charles P. Fossler, and Christine A. Koprak. 2015. Management practices that may affect dairy heifer welfare on US dairy operations. Abstract in *J. Anim. Sci.* Vol. 93, Suppl. s3/*J. Dairy Sci.* Vol. 98, Suppl. 2.
22. *Ashley E. Adams, Jason E. Lombard, and **Ivette N. Roman-Muniz.** 2015. Locomotion scoring dairy cows: A comparison among three different locomotion scoring on intra- and interrater reliability. Abstract in *J. Anim. Sci.* Vol. 93, Suppl. s3/*J. Dairy Sci.* Vol. 98, Suppl. 2.
23. Ashley E. Adams, Jason E. Lombard, **Ivette N. Roman-Muniz,** Charles P. Fossler, and Christine A. Koprak. 2015. Associations between housing and management practices on the incidence of lameness,

- hock lesions, and thin cows on US dairy operations. Abstract in J. Anim. Sci. Vol. 93, Suppl. s3/J. Dairy Sci. Vol. 98, Suppl. 2.
24. Ashley E. Adams, Jason E. Lombard, **Ivette N. Roman-Muniz**, Charles P. Fossler, and Christine A. Koprak. 2015. Management of nonambulatory dairy cows on US dairy operations. Abstract in J. Anim. Sci. Vol. 93, Suppl. s3/J. Dairy Sci. Vol. 98, Suppl. 2.
 25. *Menger, L. M., Pezzutti, F., Stallones, L., Rosecrance, J., & **Roman-Muniz, N.** 2015. Safety and productivity among immigrant dairy workers. Abstract, 11th International Conference on Occupational Stress and Health: Work, Stress, & Health, Atlanta, GA.
 26. Rosecrance J, Tellechea T, Menger L, Gilkey D, **Roman-Muniz N.** 2013. Health and safety challenges associated with immigrant dairy workers. Journal of Agricultural Engineering. Volume XLIV(s2):e129, 694-696.
 27. John Rosecrance, Teresa Tellechea, Lauren Menger, **Noa Roman-Muniz.** 2013. Ergonomic and Human Factor Challenges Associated with Cultural Factors for Immigrant Dairy Workers. Abstract, AIIA Conference (Italian Society of Agricultural Engineering).
 28. Stephen J. Reynolds, Maggie L. Clark, Margaret E. Davidson, Thomas Keefe, John Mehaffy Mary Bradford, **Noa Roman-Muniz**, Gregory Dooley, Jill Poole, FM Mitloehner, MB Schenker. 2013. Exposures to Organic Aerosols and Effects on Pulmonary Lung Function Among Western US Dairy Workers. Abstract, American Industrial Hygiene Conference and Exposition.
 29. *A. E. Adams, **I. N. Roman-Muniz**, T. Grandin, D. R. Woerner, and F. J. Olea-Popelka. 2013. Dairy cow handling facilities and the perception of beef quality assurance on Colorado dairies. Abstract in J. Anim. Sci. Vol. 91, E-Suppl. 2/J. Dairy Sci. Vol 96. E-Suppl. 1
 30. C. M. Warner, S. L. Archibeque, T. E. Engle, J. J. Wagner, D. R. Woerner, **I. N. Roman-Muniz**, and H. Han. 2013. Supplementation of rumen-protected PUFA in corn-fed steers. Abstract in J. Anim. Sci. Vol. 91, E-Suppl. 2/J. Dairy Sci. Vol. 96, E-Suppl. 1
 31. *R. Woiwode, T. Grandin, **I. Roman-Muniz.** 2012. Survey of lameness, body condition score, hygiene, and hock lesions of Colorado dairy cows housed in outdoor dirt lots or free stalls without outdoor access. Abstract in J. Anim. Sci. Vol. 90, Suppl. 3/ J Dairy Sci Vol. 95, Suppl. 2.
 32. M. G. Dib, T. E. Engle, H. Han, **I. N. Roman-Muniz**, and S. L. Archibeque. 2012. Effect of algal meal supplementation to finishing wethers on performance and carcass characteristics. Abstract in J. Anim. Sci. Vol. 90, Suppl. 3/J. Dairy Sci. Vol. 95, Suppl. 2.
 33. *A. E. Adams, F. J. Olea-Popelka, and **I. N. Roman-Muniz.** 2012. Using temperature-sensing reticular boluses to aid in the detection of disease in dairy cows. Abstract in J. Anim. Sci. Vol. 90, Suppl. 3/J. Dairy Sci. Vol. 95, Suppl. 2.
 34. Davidson, M., Clark, M., Keefe, T. J., Mehaffy, J., Bradford, M., **Roman-Muniz, N.**, Dooley, G.P., Poole, J. & Mitloehner, F. 2012. Similar exposure group (task) based analysis of bioaerosol exposures in dairies. In Health and Safety in Agriculture: Nordic and World-Wide Perspectives: Nordic Meeting on Agricultural Occupational Health and Safety, Ystad Saltsjöbaden, Ystad, Sweden. Abstract.
 35. Stephen J. Reynolds, Maggie L. Clark, Margaret E. Davidson, Thomas Keefe, John Mehaffy, Mary Bradford, **Noa Roman-Muniz**, Gregory Dooley, Susanna von Essen, Jill Poole. 2011. Exposure to Endotoxin, Muramic Acid, Ergosterol and Effects on Pulmonary Function Among Western US Dairy Workers. Irish Meeting on Agricultural Occupational Safety and Health. Abstract.
 36. B.A. Howe, **I.N. Roman-Muniz**, B.D. Wilson, and S. Archibeque. 2011. *Nannochloropsis oculata* meal did not alter usage and had no adverse health effects when fed to rabbits as a protein source. Abstract in J Anim. Sci. 89, E-Suppl. (1): 724.
 37. *S. Archibeque-Engle and **I.N. Roman-Muniz.** 2011. Latinos and animal agriculture. Abstract in J. Anim. Sci. 89, E-Suppl. (1): 428-429.
 38. B.A. Howe, **I.N. Roman-Muniz**, B.D. Wilson, S. L. Archibeque. 2010. Evaluation of Algae meal from *Nannochloropsis oculata* as a protein source for non-ruminant animals. Abstract in J. Anim. Sci. 88, E-Suppl. (2): 101-102.
 39. ***Ivette N. Román-Muñiz, DVM, MS**; David C. Van Metre, DVM, DACVIM; Franklyn B. Garry, DVM, MS. 2007. Dairy Worker Training Experiences, In: The AABP Proceedings; 40: 38-40.

40. Franklyn B. Garry, DVM, MS; **Ivette N. Roman-Muniz, DVM, MS**; Jason Lombard, DVM, MS; David C. Van Metre, DVM. 2007. Dairy Worker Training in Newborn Calf Management, In: The AABP Proceedings; 40: 33-37.
41. ***Ivette N. Roman-Muniz, DVM**, David C. Van Metre, DVM, DACVIM, Franklyn B. Garry, DVM, MS, DACVIM, Stephen J. Reynolds, Ph.D., CIH, Williams R. Wailes, Thomas J. Keefe, Ph.D. 2004. Dairy Worker Safety Education: Current Status and Future Needs in the Colorado Dairy Industry. Phi Zeta Research Day, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO.
42. ***Ivette N. Roman-Muniz, DVM**, David C. Van Metre, DVM, DACVIM, Franklyn B. Garry, DVM, MS, DACVIM, Stephen J. Reynolds, Ph.D., CIH, Williams R. Wailes, Thomas J. Keefe, Ph.D. 2004. Dairy Worker Safety Education: Current Status and Future Needs in the Colorado Dairy Industry. National Symposium on Agricultural Health and Safety, Keystone, CO.

Non-Refereed Journal Articles/Chapters/Proceedings/Transactions:

1. Frye, M.A., **Roman-Muniz, I. N.** 2019. A holistic Approach to Advancing the Rural Veterinary Population. Scientia <https://www.scientia.global/dr-melinda-frye-dr-noa-roman-muniz-a-holistic-approach-to-advancing-the-rural-veterinary-population/>
2. Robert Hagevoort, PhD and **I. Noa Roman-Muniz, DVM, MS.** 2019. Engaging Dairy Labor through Effective Training. Western Dairy Management Conference Proceedings.
3. **Noa Roman-Muniz, DVM**, Lauren Menger-Ogle, PhD, Lorann Stallones, PhD, John Rosecrance, PhD. 2017. Survey: Dairy Workers appreciate supervisors who prioritize both productivity and safety. Progressive Dairyman. <https://www.progressivedairy.com/topics/management/survey-dairy-workers-appreciate-supervisors-who-prioritize-both-productivity-and-safety>
4. **Roman-Muniz, N.**, & Douphrate, D. 2014. Preventing zoonotic disease on the dairy (Part 2 of 2). *Progressive Dairyman*. <https://www.progressivedairy.com/topics/herd-health/preventing-zoonotic-disease-on-the-dairy>
5. **Roman-Muniz, N.**, & Douphrate, D. 2014. What are zoonotic diseases? (Part 1 of 2). *Progressive Dairyman*. <https://www.progressivedairy.com/topics/herd-health/what-are-zoonotic-diseases>
6. **Noa Roman-Muniz**, David Douphrate. 2013. Dairy Worker Safety and Health: Vaccination Safety. Progressive Dairyman. <https://www.progressivedairy.com/topics/management/dairy-worker-safety-and-health-vaccination-safety>
7. **Noa Roman-Muniz.** 2012. Training the Trainers: how to facilitate the development of the middle manager's training skills. Rocky Mountain Milk Peak, Fall Issue.
8. R. Woiwode, T. Grandin and **I.N. Roman-Muniz.** 2012. Survey of lameness, body condition score, hygiene, and hock lesions of Colorado dairy cows housed in outdoor dirt lots or free stalls with outdoor access. Rocky Mountain Milk Peak, Fall Issue.
9. Jason Ahola and **Noa Roman-Muniz.** 2012. Quality Defects in Market Cows and their Effect on Sale Price. Rocky Mountain Milk Peak, Winter Issue.
10. **Noa Roman-Muniz.** 2012. Labor Management: Developing middle managers and training the trainers. Published in the Proceedings for the 2012 Great Lakes Regional Conference.
11. **Noa Roman-Muniz, DVM, MS** and Travis Hoffman. 2011. Dairy beef quality and animal wellbeing. Western Dairy News in Hoard's West. W-100-101, July 2011.
12. **Noa Roman-Muniz, DVM, MS.** 2011. Zoonotic Diseases in the Calving Area. Rocky Mountain Milk Peak, Summer Issue.
13. **Noa Roman-Muniz, DVM, MS.** 2011. We all want the same after all. Rocky Mountain Milk Peak, Spring Issue.
14. **Noa Roman-Muniz, DVM, MS.** 2011. Helping with calvings. Rocky Mountain Milk Peak, Spring Issue.
15. **Noa Roman-Muniz, DVM, MS.** 2011. Training the trainers: how to facilitate the development of the middle manager's training skills, In: Western Dairy Herd Management Conference Proceedings.

16. **Noa Roman-Muniz**. 2011. How can we improve communication on the dairy? Dairy Herd Management (online). Available at <http://www.dairyherd.com/dairy-resources/manejo-lechero/How-can-we-improve-communication-on-the-dairy.html>
Available in Spanish (¿Cómo podemos mejorar la comunicación en la lechería?) at <http://www.dairyherd.com/dairy-resources/manejo-lechero/Como-podemos-mejorar-la-comunicacion-en-la-lecheria-.html>
17. **Noa Roman-Muniz, DVM, MS**. 2011. Dairy Worker Training Experiences, In: Danish Bovine Veterinarian Annual Meeting Proceedings.
18. **Noa Roman-Muniz, DVM, MS**. 2011. Provide Feedback that Inspires. Rocky Mountain Milk Peak, Winter Issue.
19. **Noa Roman-Muniz, DVM, MS**. 2010. Dairy Calf Health. Rocky Mountain Milk Peak, Fall Issue.
20. **Noa Roman-Muniz, DVM, MS** and Cecilia Rosas-Goulart. 2010. Parlor Management and Dairy Culture. Rocky Mountain Milk Peak, Fall Issue.
21. **Noa Roman-Muniz, DVM, MS**. 2010. Update from Your Extension Dairy Specialist. Rocky Mountain Milk Peak, Summer Issue.
22. **Noa Roman-Muniz, DVM, MS**. 2010. Dairy Cow Health and Sustainable Dairy Farming. The Salt Lick, Institute for Livestock and The Environment Newsletter. April.
23. **Noa Roman-Muniz, DVM, MS**. 2009. Maintain Herd Health While You Weather the Storm. Western Dairy Business Magazine, August 10-12.
24. **Noa Roman-Muniz, DVM, MS**. 2009. Going Back to Basics: A way to reduce costs on dairy operations. The Dairy Informer, Spring Issue.
25. **Noa Roman-Muniz**, David C. Van Metre and Franklyn B. Garry, 2008. Dairy Worker Training Experiences. Progressive Dairyman, 17, 20-21.
26. Franklyn B. Garry, **Ivette N. Roman-Muniz**, Jason E. Lombard and David C. Van Metre. 2008. Dairy worker training in newborn calf management. Progressive Dairyman. 9, pp.
27. **Noa Roman-Muniz, DVM, MS**. 2008. Animal Welfare. The Dairy Informer, Spring Issue.
28. **Noa Roman-Muniz, DVM, MS**. 2008. Parlor Management, The Dairy Informer, Winter Issue.
29. **Noa Román-Muñiz, DVM, MS**, Mia Rossini, MS. 2007. Benefits of using ultrasound. El Lechero (The Dairyman); 2(6).
30. **Noa Román-Muñiz, DVM, MS**, Mia Rossini, MS. 2007. Ultrasound on Dairy Farms. El Lechero (The Dairyman); 2(5).
31. **Noa Roman-Muniz, DVM, MS**. 2006. Identification of Sick Calves. El Lechero (The Dairyman); 1(4).
32. **Noa Román-Muñiz**. 2004. Worker Safety Training on Dairy Farms in Northeastern Colorado. Colorado Dairy News; 10(6): 1-4.
33. **Noa Román-Muñiz**. 2003. Dairy Worker Training. Colorado Dairy News; 9(4): 1, 4.

Video Productions

34. Best Practices to Stay Healthy at the Dairy Farm. Producer. 2016. Funded by NIOSH, HHS-CDC. Fort Collins, CO.
English version at <https://vimeo.com/161500888>
Spanish version at <https://vimeo.com/145893176>
35. Prevention and Management of Non-Ambulatory Dairy Cows. 2010. Funded by Western Dairy Association. Fort Collins, CO.
English version at <https://vimeo.com/172444152>
Spanish version at <https://vimeo.com/172444153>
36. Identification of Potentially Prohibited Tissues, Including Specified Risk Materials. 2006. DVD. Fort Collins, CO.

CONTRACTS & GRANTS

Externally Funded Projects as PI:

- 2011-16 Enhancing training effectiveness in industrialized dairy production. PI: Noa Roman-Muniz, CoPI: John Rosecrance, HHS- CDC, NIOSH, \$952,816.00.
- 2012-13 Enhancing fetal and neonatal development through maternal nutrition. PI: Noa Roman-Muniz, CoPIs: Terry Engle, Karen Sellins, Western Dairy Association, \$25,000.00.
- 2012-13 Determination of the Prevalence of Methicillin-Resistant Staphylococcus aureus (MRSA) in Colorado Dairy Cattle. PI: Noa Roman-Muniz, CoPIs: Terry Engle, Karen Sellins, Western Dairy Association, \$25,000.00.
- 2011-12 Evaluation of Temple Grandin Auditing Tool on Colorado Dairies. PI: Noa Roman-Muniz, CoPI: Temple Grandin, Western Dairy Association, \$4,800.00.
- 2010-11 Sensitivity and Specificity of Fever Lasting more than 24 hours as an indicator of Illness in Lactating Dairy Cows. PI: Noa Roman-Muniz, DVM, LLC, \$38,207.00. (*Part of Project: Detection of Ovulation, Disease and Parturition with Passive Monitoring of Reticulorumen Temperature in Dairy Cows. CoPIs: Craig Peel, Jason Ahola, and Jack Whittier, DVM Systems, LLC, \$100,000.00.*)

Externally Funded Projects as CoPI:

- 2023-27 Dairy Supply Chain Collaborative: Tackling The Complexity Of End-Of-Life Decision-Making Together To Improve Dairy Cow And Calf Welfare. PI: Lily Edwards-Callaway; CO-PIs: Noa Roman-Muniz, Catie Cramer, Lorann Stallones, Joshua Keller, USDA-NIFA, \$998,587.
- 2019-20 Edwards-Callaway, L. N. (PI), Roman-Muniz, I. N. (CoPI), "Animal Caretakers Perspectives on Performing Euthanasia on Commercial Sow Farms", National Pork Board, \$58772.22. (sub: October 29, 2018, award notification: March 6, 2019)
- 2019- 22 Walk-Up: Women in Agricultural Leadership Know: An Undergraduate Program. PI: Jennifer Martin, CoPIs: Sam Cunningham, Jessica Metcalf, Noa Roman-Muniz, Beka Crocket, Shannon Archibeque-Engle, Gamze Cadvar. USDA-NIFA \$384,457.86.
- 2016-21 Occupational Safety Management and Leadership on Large-Herd Dairy Farms. PI: David Douphrate, Co-PIs: Noa Roman-Muniz, Robert Hagevoort, Luis Mendoca. "HHS-CDC-NIOSH, \$1,392,280.00.
- 2016-18 Development of Integrated Pest Management Strategies for Commercial Dairies: Formulating Dairy Total Mixed Rations that are Resistant to Bird Depredation. PI: Wagner, J., Co-PIs Roman-Muniz, I. N., Archibeque, S., Engle, T. E. ", USDA-NIFA, \$324,517.00.
- 2017-18 Colorado Beef Quality Assurance Program (2017-18) Ahola, Jason Kee (PI), Bigler, Elizabeth Jaed (Co-PI) Rhoades, Ryan Douglas, Roman-Muniz, Ivette Noami, Pond, Kevin, Belk, Keith. Colorado Beef Council \$34,999.87.
- 2016-17 Colorado Beef Quality Assurance Program (2016-2017). PI: Ahola, J. K., Co-Pis: Belk, K., Roman-Muniz, I. N., Bigler, E. J., Pond, K., Colorado Beef Council, \$36,600.00.

- 2015-16 Cochran Fellowship Program on Dairy Farm Improvement and Management (China), Asia Region. PI: Yang, Co-PIs: Belk, K., Roman-Muniz, I. N., Ahola, J. K., Engle, T. E., Thomas, M., USDA-Foreign Agricultural Service, \$83,622.00.
- 2012-13 Supplementation of rumen protected polyunsaturated fatty acids (PUFA) to increase muscle PUFA in corn fed beef steer. PI: Hyunchul Han, CoPIs: Dale Woerner, Terry Engle, Shawn Archibeque, John Wagner, Ivette N. Roman-Muniz, Colorado Corn Administrative Committee, \$48,392.00.
- 2011-13 Enhancement of a National Air Quality Self-Assessment Tool (NAQSAT) for Livestock Producers. PI: Shawn Archibeque, CoPIs: Hyunchul Han, Terry Engle, Ivette N. Roman-Muniz, USDA-NRCS, \$369,099.00.
- 2010 ARRA: National Alliance for Advanced Biofuels and Bio-products: CSU Component. PI: Anthony Marchese; CoPIs: Hyunchul Han, Terry E. Engle, Kenneth F Reardon, Shawn Archibeque, Ivette N. Roman-Muniz, Donald Danforth Plant Science Center, \$1,250,237.00.
- 2009-10 Interaction of Copper Source, Bile Composition on Microbial Growth, and Cu Protein Homeostasis. PI: Terry Engle, Co-PIs: Brett H Kirch, Kendra Nightingale Hyunchul Han, John J Wagner, David B Anderson, Shawn Archibeque, Dale Woerner, Keith Belk, Novus International Inc., \$21,000.00.
- 2008-09 Use of the Vibra Acoustic Airway Clearance Device to Relieve Congestion in Dairy Calves. PI: Terry Engle, Co-PIs: Temple Grandin, Charlotte Wellen, Vibralong, Inc., \$32,549.00.

Externally Funded as Investigator/Collaborator/Key Person:

- 2020-21 Developing a Novel Framework for Operationalizing Social Life Cycle Assessment of Beef Production Systems: A Synthesis of the Literature on Social Life Cycle Assessment, Sociology, Wellbeing, Rangeland. Jasmine Dillon (PI), Noa Roman-Muniz (Key Person), National Cattlemen's Beef Association, \$9,998.42.
- 2016-21 High Plains Intermountain Center for Agricultural Health and Safety, Reynolds, S. J. (PI), Roman-Muniz, I. N. (Investigator/Collab.), HHS-CDC- NIOSH, \$8,625,894.00.
- 2018-19 Colorado Beef Quality Assurance Program. Ahola, J. K. (PI), Edwards-Callaway, L. N., Roman-Muniz, I. N., Pond, K., Rhoades, R. D., Belk, K., Bigler, E. J. (CoPI), Colorado Beef Council, \$46,703.50.
- 2014-17 Design and Evaluation of Interventions to Improve Dairy Worker Respiratory Health. Reynolds, S.J. (PI), Roman-Muniz, I.N. (Key Person). HHS-CDC-NIOSH, 823,832.00.

Internally Funded Awards:

- 2021 Integrating practical industry experience into the experiential learning opportunities for undergraduate students within the Department of Animal Sciences. Co-PIs: Lily Edwards-Callaway and Noa Roman-Muniz, Y Cross Ranch Animal Agriculture Assistantship Proposal, 20,686.00.
- 2021 Augmenting undergraduate engagement and retention through enhanced experiential learning opportunities in introductory courses and the development of a Departmental seminar for first

- year students. Co-PIs: Noa Roman-Muniz and Jason Ahola, Y Cross Ranch Animal Agriculture Assistantship Proposal, 41,372.00.
- 2020 Improving undergraduate student engagement and success through graduate student training and participation in introductory courses in the Department of Animal Sciences. PI: Noa Roman-Muniz, Y Cross Ranch Animal Agriculture Assistantship Proposal, \$87,935.00.
- 2019 Occupational exposure of dairy farm workers and dairy working environment to antimicrobial resistant *Salmonella enterica*. PI: Sangeeta Rao, Co-PIs: Noa Roman Muniz, MD Salman, Josh Daniels, HICAHS, \$25,000.00.
- 2019 Dairy Worker Perspectives of Performing Euthanasia as an Essential Component of their Job. PI: Noa Roman-Muniz, Co-PI: Lily Edwards-Callaway, HICAHS, \$17,983.00.
- 2016-17 Socio-ecological model for exposure to zoonotic diseases among dairy farm workers. PI: Jairo Palomares Velosa, CoPIs: Noa Roman-Muniz, M.D. Salman, Sangetta Rao, Craig McConnel, Lyndsey Linke, Robberta Magnuson, HICAHS, \$23,967.00.
- 2013-14 Development of Virtual Bovine Anatomy. PI: Christianne Magee, Co-PIs: Noa Roman-Muniz, Robert Callan, College of Veterinary Medicine and Biomedical Sciences College Research Council, \$19,200.00.
- 2013 AGEP Mini-Recruitment Grant. PI: Noa Roman-Muniz, Graduate School, Colorado State University, \$1,000.00. (The College of Agricultural Sciences contributed an additional \$800.00 to cover travel expenses).
- 2010-11 Use of Pesticides and Other Chemicals on Colorado Dairy Farms. PI: Noa Roman-Muniz, HICAHS, \$12,171.00.

Donations, Contributions, Gifts and Other Contracts:

- 2009-17 WDA contribution for dairy extension activities, \$30,000
- 2010-12 WDA contribution to design, printing and mailing of CSU's dairy newsletter, Rocky Mountain Milk Peak, \$18,000.00
- 2010 Collaboration with Department of Environmental and Radiological Health Sciences, PIs Rosecrance and Reynolds, \$9,492.00
- 2009 Collaboration with Department of Environmental and Radiological Health Sciences, PIs Rosecrance and Reynolds, \$9,494.00
- 2009 Creation of DVD training module on the Prevention and Management of Non-Ambulatory Dairy Cows, \$7,800.00
- 2008-09 Coordination of VS 300, \$6,000.00
- 2008 Translations of User's Guide for the North American Animal Disease Spread Model 3.0.1, \$8,984.44.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Memberships in Professional Societies

- American Dairy Science Association
- American Association of Bovine Practitioners
- American Society of Animal Science, 2009-2015
- National Mastitis Council, 2009-2010

Journal Article Review

Journal of Dairy Science, Ad Hoc Reviewer, 2015- present
Journal of Agromedicine, Ad Hoc Reviewer, 2012- present
Annals of the Brazilian Academy of Sciences, Ad Hoc Reviewer, 2017
Journal of Veterinary Medical Education, Ad Hoc Reviewer, 2015
American Journal of Industrial Medicine Ad Hoc reviewer, 2013

Grant Review

Panel Manager for 1 NIFA grant, 2024
Panel Manager for 2 NIFA grants, 2023
Reviewer for NIFA education grants, 2019, 2020, 2022
Reviewer for NIFA animal health grants, 2022
Reviewer of HICAHS preproposals for inclusion in HICAHS NIH-HHS center grant proposal, 2015
Ad Hoc Reviewer of project reports for the Competitive Grants Program: Pakistan Strategy Support Program (PSSP) funded by USAID and managed by the International Food Policy Research Institute (IFPRI), 2013

Professional/Leadership Development

Interrupting Bias Workshop, Colorado State University, Nov 14, 2023
Spring 23 Experiential Learning Series, Colorado State University, Apr 4, 2023
Dairy Media Spokesperson Training participant. Sponsored by Western Dairy Management, Thornton, CO. February 2018.
Midwest Region Dairy Industry Crisis Drill participant, Madison, WI, Nov 2016.
Fast Track Intensive 3-day Leadership Program participant, NC, October 2014.

Other

AGEP Faculty, Colorado State University, 2013
Managing Editor, Rocky Mountain Milk Peak, 2010-2012. Circulation: 400
Phi Zeta Honor Society, 2001
Bovine Club, University of Wisconsin-Madison, 1999-2001
Student Chapter of the American Veterinary Medical Association, 1997-2001
Golden Key National Honor Society, 1997
Alpha Zeta Honor Fraternity, 1996
Student Representative to the Academic Senate, University of Puerto Rico- Mayagüez, PR, 1995-1997
Pre-veterinary Club, 1995-1997
Gamma Sigma Delta Honor Fraternity, 1995

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

* Presented by graduate student advisee

Conference Presentations (i.e. scientific/professional meetings):

1. Rural Practice and Spanish-speaking Veterinary Care. VOICE National Conference. CSU Spur Campus, Denver, CO. April 20, 2024.
2. Cultural awareness for veterinarians working with LatinX livestock caretakers. Oral Presentation. AABP Recent Graduate Conference. Knoxville, TN. February 11, 2023.
3. The Intersection between Animal and Human Wellbeing and Productivity. Keynote Presentation. PRO-DAIRY & NEDPA Operations Managers Conference. Syracuse, NY. January 31, 2023.
4. Improving Communication among English- and Spanish-speaking Team Members. Oral Presentation for Breakout Sessions. PRO-DAIRY & NEDPA Operations Managers Conference. Syracuse, NY. January 31, 2023.

5. Farm Safety Programs: The Importance of Prioritizing Continuous Improvement. Panel presentation. PRO-DAIRY & NEDPA Operations Managers Conference. Syracuse, NY. January 31, 2023.
6. Engaging Dairy Caretakers Through Effective Communication. **Oral Presentation**, 2022 Dairy Cattle Welfare Symposium. Syracuse, NY. May 18, 2022.
7. Dairy Worker Perspectives on Performing Euthanasia as an essential component of their job. **Zoom Presentation**, HICAHS Virtual Research Day. October 9, 2020. <https://youtu.be/DOc74xr8EB0>
8. Minimizing Barriers: Developing Culturally Congruent Training Programs and Tools for the Dairy Workforce. **Oral Presentation**, 52nd AABP Conference, Dairy Session. St. Louis, MO. September 13, 2019.
9. K.A. Rink, F. Amaya-Soto, L.M. Menger-Ogle², L. Stallones², P.J. Pinedo¹, J.C. Rosecrance, I.N. Román-Muñiz. Culturally Congruent Training Program on Infectious and Zoonotic Disease Prevention for Latinx Dairy Workers on Colorado Dairies. **Poster**, Western Ag Safety & Health Conference. Seattle, WA. August 7-9, 2019.
10. Noa Roman-Muniz and Eric Behlke. Communication and Cultural Awareness: How not to step in it! **Oral presentation**, 51st AABP Conference, Student Session. Phoenix, AZ. September 15, 2018.
11. *Rink, K., Amaya-Soto, F., Menger-Ogle L., Stallones, L., Pinedo P., Roman-Muniz, N. Assessing the Effectiveness of a Training Program for Latino(a) Dairy Workers on Colorado Dairies. **Poster**, American Society of Animal Science Annual Meeting, Vancouver, BC. July 12, 2018.
12. *Rink, K.A., Turk, P., Archibeque-Engle, S., Wilmer, H., Ahola, J. K., Hadrich, J. C. and I. Noa Roman-Muniz. Dairy Producer Perceptions of the Farmers Assuring Responsible Management (FARM) Animal Care Program. **Oral presentation**, American Dairy Science Association Annual Meeting, Knoxville, TN. June 25, 2018.
13. Menger-Ogle, L. M., Rosecrance, J., Stallones, L., & Roman-Muniz, I. N. A Guide to the Design of Occupational Health and Safety Training for Immigrant, Latino/a Dairy Workers. **Panel presentation**, 12th International Work, Stress & Health Conference, Minneapolis, MN. June 7-10, 2017.
14. *K. A. Rink, S. Archibeque-Engle, P. Turk, J. K. Ahola, J. C. Hadrich, and I. Noa Roman-Muniz (2017, November). Producer Perceptions of the National Dairy Farmers Assuring Responsible Management (FARM) Animal Care Program. **Poster**, Colorado State University Graduate Student Showcase, Fort Collins, Colorado. November 13, 2017.
15. Menger-Ogle, L. M., Pezzutti, F., Ogle, A. D., Amaya, F., Rosecrance, J., Stallones, L., & Roman-Muniz, I. N. Occupational safety and health among immigrant, Latino/a dairy workers in Colorado. **Symposium presentation**, 12th International Work, Stress & Health Conference, Minneapolis, MN. June 7-10, 2017.
16. Shannon Zeller, Maura Velazquez-Castillo and Noa Roman-Muniz. Curriculum Development and Implementation of Spanish for Animal Health and Care. **Panel presentation**, 3rd International Symposium on Language for Specific Purposes/CIBER Business Language Conference. Phoenix, AZ. March 17-19, 2016.
17. Menger, L. M., Rosecrance, J., Stallones, L., & Roman-Muniz, I. N. A Review of Best Practice Recommendations for Training Immigrant, Latino/a Dairy Workers in the U.S. **Poster**, National Occupational Research Agenda Conference, Salt Lake City, UT. April 2016.
18. I. Noa Roman-Muniz, John Rosecrance, Lauren M. Menger, Florencia Pezzutti, Flor Amaya, Lorann Stallones. Dairy Worker Safety Training: Current Challenges and Opportunities for Enhanced Effectiveness. **Oral presentation**, International Congress on Rural Health as a social, economic and cultural engine, Lodi, Italy. September 8-11, 2015.
19. *Ashley E. Adams, Jason E. Lombard, Ivette N. Roman-Muniz, Charles P. Fossler, and Christine A. Koprak. Management practices that may affect dairy cow welfare on US dairy operations. **Poster**, ADSA-ASAS, Joint Annual Meeting, Orlando, FL. July 9-12, 2015.
20. *Ashley E. Adams, Jason E. Lombard, Chelsey S. Shively, Natalie J. Urie, Ivette N. Roman-Muniz, Charles P. Fossler, and Christine A. Koprak. Management practices that may affect dairy heifer

- welfare on US dairy operations. **Poster**, ADSA-ASAS Joint Annual Meeting, Orlando, FL. July 9-12, 2015.
21. *Ashley E. Adams, Jason E. Lombard, and Ivette N. Roman-Muniz. Locomotion scoring dairy cows: A comparison among three different locomotion scoring on intra- and interrater reliability. **Poster**, ADSA-ASAS Joint Annual Meeting, Orlando, FL. July 9-12, 2015.
 22. *Ashley E. Adams, Jason E. Lombard, Ivette N. Roman-Muniz, Charles P. Fossler, and Christine A. Koprak. Associations between housing and management practices on the incidence of lameness, hock lesions, and thin cows on US dairy operations. **Oral presentation**, ADSA-ASAS Joint Annual Meeting, Orlando, FL. July 9-12, 2015.
 23. *Ashley E. Adams, Jason E. Lombard, Ivette N. Roman-Muniz, Charles P. Fossler, and Christine A. Koprak. Management of nonambulatory dairy cows on US dairy operations. **Oral presentation**, ADSA-ASAS Joint Annual Meeting, Orlando, FL. July 9-12, 2015.
 24. *Effect of on-farm dairy Beef Quality Assurance (BQA) training on dairy worker knowledge of BQA and welfare related practices. **Poster**, ADSA-ASAS Joint Annual Meeting, Kansas City, MO. July 20-24, 2014.
 25. *Ashley Adams. Effect of on-farm dairy Beef Quality Assurance (BQA) training on the welfare and health of dairy cows. **Poster**, 27th ADSA Discover Conference: Strategies for Improving U.S. Dairy Cattle Welfare, Itasca, IL. May 27-28, 2014.
 26. *A. E. Adams, I. N. Roman-Muniz, T. Grandin, D. R. Woerner, and F. J. Olea-Popelka. 2013. Dairy cow handling facilities and the perception of beef quality assurance on Colorado dairies. **Oral presentation**, ADSA-ASAS Joint Annual Meeting, Indianapolis, IN. July 8-12, 2013.
 27. *A. E. Adams, F. J. Olea-Popelka, T. Grandin, D. R. Woerner, I. N. Roman-Muniz. Dairy cow handling facilities and the perception of beef quality assurance on Colorado dairies. **Poster**, Presented at the Nutrition Roundtable, ARDEC, Fort Collins, CO. 2013
 28. *A. E. Adams, F. J. Olea-Popelka, and I. N. Roman-Muniz. Using temperature-sensing reticular boluses to aid in the detection of disease in dairy cows. **Oral presentation**, ADSA-ASAS Joint Annual Meeting, Phoenix, AZ. July 15-19, 2012.
 29. Ivette N. Roman-Muniz. Dairy Worker Training: Adult Learning Theory and Multicultural Issues. **Oral Presentation**, 40th Annual Conference, American Association of Bovine Practitioners, Vancouver, BC. September 20-22, 2007.
 30. Ivette N. Roman-Muniz. Dairy Worker Training: Experiences and Future Directions. **Oral Presentation**, 40th Annual Conference, American Association of Bovine Practitioners, Vancouver, BC. September 20-22, 2007.
 31. Dairy Worker Safety Training: Current Status and Future Needs in the Colorado Dairy Industry. **Oral Presentation**, 2004 National Symposium on Agricultural Health and Safety, Keystone, CO. June 20-24, 2004.
 32. Ivette N. Roman-Muniz. Dairy Worker Safety Training: Current Status and Future Needs in the Colorado Dairy Industry. **Oral Presentation**, Phi Zeta Research Day, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO. January 2005.

Invited Presentations:

1. Dairy Industry Overview. Online presentation for USDA APHIS-VS. May 2, 2024. 600+ in attendance.
2. Swine Disease Prevention. JBS Pork University II. Fort Collins, CO. September 26, 2022.
3. Cow & Human Health & Wellbeing – why should both be a high priority on the farm? Dairy Sustainability Framework Animal Care Community of Interest Meeting. July 20, 2022. Online.
4. Engaging with Latinx Workers in Colorado's Dairy Industry. Presentation for CSU Extension Interns supervised by Todd Ballard, June 16, 2022. Online
5. Entrenamiento del personal de granja: Identificando métodos de enseñanza efectivos. (Training farm workers: identifying effective teaching styles.) Pig Welfare Symposium. Minneapolis, MN. November 13, 2019.

6. Women in Rural and Livestock Veterinary Medicine. Panel Facilitator. Fort Collins, CO. October 17, 2019.
7. Dairy Research Update. Stockmanship and Stewardship Meeting. Fort Collins, CO. August 10, 2019.
8. Addressing Workforce Diversity on the Dairy and Feedlot. Stockmanship and Stewardship Meeting. Fort Collins, CO. August 9, 2019.
9. Foreign-born Dairy Workers: Health and Safety Perceptions of the Invisible Stakeholders. International Dairy Research Consortium Meeting. Seattle, WA. August 6, 2019.
10. My DVM journey. Vet Prep Seminar, Fort Collins, CO. April 3, 2019.
11. Engaging Dairy Labor through Effective Training. Western Dairy Management Conference. Reno, NV. February 28, 2019.
12. Improving Workplace Culture for Better Employee Retention. Women in Agribusiness Summit. Denver, CO. Co-Presented with Monty Miller. September 25, 2018.
13. Foreign-born Dairy Workers: Health and Safety Perceptions of the Invisible Stakeholders. Science on Tap presentation. Fort Collins, CO. October 29, 2018.
14. My Experiences as a Veterinarian and Animal Scientist. CSU PreVet Day presentation. Fort Collins, CO. October 6, 2018.
15. Foreign-born Livestock Workers: Health and Safety Perceptions of the Invisible Stakeholders. Extension's Livestock and Range Program and Reporting Unit Meeting. ARDEC, Fort Collins, CO. April 24, 2018.
16. Dairy Labor Management and Robotics: A Paradigm Shift. Robotic Milking Conference 2018. Greeley, CO. March 27, 2018.
17. Dairy Employee Management for Productivity and Health. Dairy Day Presentation at Colorado Farm Show. Greeley, CO. January 24, 2018.
18. Strategies for Successful Working Relationships. Western Colorado Food and Farm Forum: Strategies for Success in Demanding Times. Montrose, CO. January 28, 2018.
19. VSSP: Diversity Panel for DVM students. Fort Collins, CO. June 13, 2018.
20. *K. A. Rink. Dairy Producer Perceptions of the Farmers Assuring Responsible Management (FARM) Animal Care Program: A SWOT Analysis. Study results and recommendations given to FARM Animal Care Program writing committee at program revision meeting, Arlington, VA. June 2018.
21. *K. A. Rink, Perceptions of the Farmers Assuring Responsible Management (FARM) Animal Care Program. Findings presented at the Farmers Assuring Responsible Management Animal Care Program Evaluator Conference, Kansas City, KS. July 2018.
22. Invited speaker at Rams for Diversity tailgate as part of CSU's Ag Day celebrations. Diversity House, Fort Collins, CO. September 9, 2017.
23. Foundations for Safety Leadership. Training Workshop for Foremen and Supervisors of Construction Industry. Kraemer North America, Castle Rock, CO. July 24, 2017.
24. Dairies and Communication: What you haven't been told. AABP and VOICE's dinner lecture. CSU's Veterinary Teaching Hospital, Fort Collins, CO. February 22, 2017.
25. *K. A. Rink. Preliminary Findings of Dairy Producer Survey: FARM Animal Care Program. Preliminary findings presented at the Farmers Assuring Responsible Management Animal Care Program Evaluator Conference, Indianapolis, Indiana. July 2017.
26. Colorado Dairy Foot Trimmer Update Session. Sponsored by Zinpro and Agfitiny. Co-presenter with Jan Shearer, DVM. Eaton, CO. August 2016.
27. Immigration Challenges. Panel presentation, Food & Ag Summit, Loveland, CO. March 14, 2016.
28. Perspectives on Labor Across Agricultural Industry Sectors. Panel presentation, Governor's Forum on Colorado Agriculture, Denver, CO. February 18, 2016.
29. Dairy Issues: Welfare and Dairy Beef Quality. Noa Roman-Muniz. Oral presentation at the North American Meat Institute Animal Care and Handling Conference. Kansas City, MO. October 16, 2015.
30. Multicultural Management Workshop. Two-day workshop presented for Professional Dairy Producers of Wisconsin. Green Bay, WI. December 8-9, 2015.

31. Cultural and Language Barriers to Effective Communication in CO Livestock Operations. Noa Roman-Muniz. Presentation and panel discussion Immigration and Agriculture: A One Health Approach, Fort Collins, CO. October 27, 2015.
32. Cull dairy cows: decision-making and opportunities for improvement. Cattle Transportation Symposium. ARDEC, Fort Collins, CO. May 14, 2015.
33. Multi-Cultural Management- Two-day workshop for dairy managers, presented for Professional Dairy Producers of Wisconsin. Chula Vista Resort, Wisconsin Dells, WI. December 10-11, 2014.
34. Dairy Animal Welfare. Presentation for Western Association Members in Montana sponsored by WDA. Prior to the presentation, I visited several dairy farms belonging to Hutterite Colonies in Montana. May 20-23, 2014.
35. Worker Training and Protocol Development. Presentation for Midwest PMS Nutrition. Denver, CO and Firestone, CO. April 17 and May 7, 2014.
36. Sick Cow Identification and Management. Dairy Employee Seminars sponsored by CLA. Gill, CO. November 2013.
37. Sick Cow Identification and Management. Dairy Employee Seminars sponsored by CLA. Fort Morgan, CO. December 2013.
38. Hispanic Supervisor Workshop, Presented for Professional Dairy Producers of Wisconsin, Chilton, WI and Arlington, WI. September 19 and 20, 2012.
39. Bridging Cultures on Dairy Operations, Presented for Professional Dairy Producers of Wisconsin, Oshkosh, WI. April 25, 2012.
40. Bridging the Culture Divide, Colorado Agriculture Big and Small Conference, Brighton, CO. February 16, 2012.
41. Dairy Labor Management, Great Lakes Regional Dairy Conference, Mt. Pleasant, MI. February 2012.
42. Destrezas de manejo de personal para supervisores hispanos. (People management skills for middle managers on the dairy.) Presented for Professional Dairy Producers of Wisconsin. Chilton, WI. 2011
43. Feeder School. Sponsored by Diamond V Standard Dairy Nutrition Co-presented with Jeff Mikus, Gill, CO and Fort Morgan, CO. June 2011.
44. Labor Management Panel. Western Dairy Management Conference. Reno, NV. March 2011.
45. Dairy Worker Training Experiences, Danish Bovine Veterinarian Annual Meeting, Vejle, Denmark. January 2011.
46. Labor Management and Dairy Worker Safety, Danish Bovine Veterinarian Annual Meeting, Vejle, Denmark. January 2011.
47. TMR Audit Feeder School. Sponsored by Diamond V Co-presented with Tom Oelberg, Ph.D. Greeley, CO and Fort Morgan. CO. November 2010
48. Latinos in Agriculture: What the recession revealed, Colorado State University Diversity Conference, Fort Collins, CO. September 2010.
49. Feedlot Lameness Seminar. Sponsored by Zinpro. CO. February 2010.
50. Collegiate Cattlewomen's 5th Annual Calf to Brisket Dinner and Seminar, Fort Collins, CO. October 2009.
51. CSU-ILM update, WDA Board Meeting, Thornton, CO. December 2008
52. Animal Care and Dairy Production. Human Animal Bond Club Meeting, Colorado State University Veterinary Teaching Hospital, Fort Collins, CO. November 2008.
53. Dairy Worker Training Health and Safety. Animal Sciences General Seminar, Fort Collins, CO. Fall 2008.
54. Current Issues in Animal Welfare and Management of Downer Cows on the Dairy and During Transport. Drover's Beef Food Systems Tour. ARDEC, Fort Collins, CO. September 2008.
55. Feedlot Lameness Seminar. Sponsored by Zinpro. (5 sessions in various locations) Nebraska. September 2007.
56. Herdsman Training Series on Vaccinations, Injection Sites and Sick Cow Identification. Sponsored by Pfizer Animal Health. 3 sessions in various locations, NY. December 2006.

57. Herdsman Training Series on Vaccinations, Injection Sites and Sick Cow Identification. Sponsored by Pfizer Animal Health. 2 sessions in various locations, UT. November 2006.
58. Herdsman Training Series on Vaccinations, Injection Sites and Sick Cow Identification. Sponsored by Pfizer Animal Health. 2 sessions in various locations, CO. October 2006 and November 2006.
59. Livestock Worker Safety. Colorado Livestock Association Safety Meeting, Greeley, CO. December 2005.

***CV SECTION 3:
Evidence of teaching and advising***

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr Hrs (Contact Hrs)</u>	<u>Enrollment</u>
2024	Fall	ANEQ 313/Livestock Diseases	3	89
2023	Fall	ANEQ 313/Livestock Diseases	3	65
2022	Fall	ANEQ 313/Livestock Diseases	3	73
2021	Sum	ANEQ 313/Livestock Diseases	3	19
2021	Fall	ANEQ 313/Livestock Diseases	3	38
2021	Fall	VS 313/Livestock Diseases	3	16
2021	Sum	ANEQ 313/Livestock Diseases	3	21
2020	Fall	VS 313/Livestock Diseases	3	28
2020	Fall	ANEQ 313/Livestock Diseases	3	48
2020	Fall	VS 313/Livestock Diseases	3	28
2019	Fall	ANEQ 473/Dairy Systems	3	25
2019	Fall	ANEQ 313/Livestock Diseases	3	28
2019	Fall	VS 313/Livestock Diseases	3	12
2018	Fall	ANEQ 473/Dairy Systems	3	26
2018	Fall	ANEQ 313/Livestock Diseases	3	28
2018	Fall	VS 313/Livestock Diseases	3	4
2018	Fall	ANEQ 792F	1	6
2017	Fall	ANEQ 473/Dairy Systems	3	31
2017	Fall	ANEQ 313/Livestock Diseases	3	21
2017	Fall	VS 313/Livestock Diseases	3	2
2017	Fall	ANEQ 792F	1	11
2016	Fall	ANEQ 473/Dairy Systems	3	34
2016	Fall	ANEQ/Livestock Diseases	3	31
2016	Fall	VS 313/Livestock Diseases	3	19
2015	Fall	ANEQ 473/Dairy Systems	3	22
2015	Fall	ANEQ/Livestock Diseases	3	31
2015	Fall	VS 313/Livestock Diseases	3	9
2014	Fall	ANEQ 473/Dairy Systems	3	23
2014	Fall	ANEQ/VS 313/Livestock Diseases	3	45
2013	Fall	ANEQ 473/Dairy Systems	3	24
2013	Fall	ANEQ/VS 313/Livestock Diseases	3	20
2012	Fall	ANEQ 473/Dairy Systems	3	18
2012	Fall	VS 300/Livestock Diseases	3	60
2011	Fall	ANEQ 473/Dairy Systems	3	23
2011	Fall	VS 300/Livestock Diseases	3	61
2010	Fall	ANEQ 473/Dairy Systems	3	17

2010	Fall	VS 300/Livestock Diseases	3	58
2009	Fall	ANEQ 473/Dairy Systems	3	15
2009	Fall	VS 300/ Livestock Diseases	3	39
2008	Fall	ANEQ 473/Dairy Systems	3	22

2019-2023 Fall, Spring, Summer: Coordinator for the variable course credits: ANEQ 384, ANEQ 487A, ANEQ 495, and ANEQ 496

Guest Lectures Colorado State University

AGRI 374/ Professional Development Seminar- Summer 2012-13, 1 lecture hr
 AN 376 /Dairy Systems Lab- Spring 2005-06 and Fall 2006, 3 to 6 contact hrs
 ANEQ 101/Intro to Animal Sci- Spring/Fall 2009-10, 1 lecture hr; Spring, Fall 2020, 2 lecture hrs; Fall 2021-24 1 lecture hr
 ANEQ 104/ Food Animal Ag- Spring 2011-17, 2 lecture hrs
 ANEQ 193/New Student Seminar- Fall 2021, 2 lecture hrs (x2 sections); Fall 2022-23, 2 lecture hrs (x3 sections)
 ANEQ 230/Farm Animal A&P-Spring 2013, 1 lecture hr
 ANEQ 286/Livestock Practicum- Spring 2017-19, 1 lecture hr
 ANEQ 292/Eq. Ind. Seminar- Spring 2013-21, 2 lecture hrs
 ANEQ 293 Career Exploration Seminar, Spring 2023, 1 lecture hr (x2 sections)
 ANEQ 310/Animal Reproduction- Spring 2009, 1 lecture hr
 ANEQ 320/Principles of Animal Nutrition Lab- Fall 2010 and Spring 2011, 3 contact hrs
 ANEQ 473/Dairy Systems- Fall 2007, 13 lecture hrs; Fall 2020-24, 2 lecture hrs
 ANEQ 476/Feedlot Systems- Spring 2010-20, 1.5 lecture hrs
 ANEQ 510/Advanced Bovine Reproduction- Fall 2014-23, 1 lecture hr
 ANEQ 551/Field Necropsy- Spring 2011-2023 and Fall 2016-18, 2 lecture hrs
 BMS 640/Reproductive Physiology and Endocrinology- Fall 2018-21, 1 lecture hr
 ERHS 536 Advanced Occupational Health- Spring 2018, 2020, 1 lecture hr
 Exploring Health Professions Seminar- Fall 2022-23, 1 lecture hr
 HORT/SOCR 424 Topics in Org Ag- Spring 2018, 2020, 2022, 1 lecture hr
 LSPA 381 A2/ Work with Spanish-speaking Youth and Families – Fall 2017, 1 lecture hr
 VS 300/ Livestock Disease- Fall 2008, 5 lecture hrs
 VM 735 Animal Welfare- Fall 2018 and Spring 2018-20, panel presentation
 VM 757/Bovine Herd Medicine- Spring 2008-17, 2 lecture hrs
 VM 786A/ FADFX Lab - Fall 2005-08, 6 contact hrs
 VM 786A/Dairy Epidemiology- Spring 2007, 8 contact hrs
 VM 795V/ Spanish for Veterinarians- Spring and Fall 2004, 8 contact hrs

Teaching Assistant

VM 468 Food Animal Production and Food Safety, Spring 2004-07

ADVISING:

STUDENT ADVISING/GRADUATE SUPERVISION

GRADUATE STUDENTS:

Current Graduate Committee Memberships (excluding those chaired):
 Erica Machuca, MS. Department of Animal Sciences

Graduate Degrees Completed Under Your Supervision: 4 MS; 2 PhD

Alex Schaff, MS/DVM, 2021, MS. Department of Animal Sciences
Flor Amaya-Soto, 2019, MS. Department of Animal Sciences
Jairo E. Palomares, 2018, PhD. Department of Clinical Sciences, Co-Advisor with MD Salman
Kayla Calvin, 2018, MS. Department of Animal Sciences
Ashley Adams, 2015, PhD. Department of Animal Sciences
Ashley Adams, 2012, MS. Department of Animal Sciences

Graduate Committee Memberships:

MS/MA: 15

Hannah Cochran, 2023, MS. Department of Animal Sciences
Logan Papinchak, 2022, MS. Department of Animal Sciences
Cora Okkema, 2021, MS, Department of Animal Sciences
Gilberto Solano Suarez, 2019, MS. Department of Animal Sciences.
Rebecca Foos, 2019, MS. Department of Environmental and Radiological Sciences.
Sarah Dideriksen, 2018, MS. Department of Animal Sciences
Shannon Fahey, 2018, MS. Department of Agricultural and Resource Economics.
Daniella Guzman, 2017, MS. Department of Agricultural and Resource Economics.
Shannon Zeller, 2015, MA. Majors: English; Languages, Literature and Cultures, Spanish concentration.
Ralston Melissa, 2015, Masters of Ag.
Erin Post, 2015, Master of Ag.
Kate Reichling, 2014, Master of Ag.
Laura Statz, 2013, Master of Ag.
Sara Funk, 2011, MS. Department of Environmental and Radiological Health Sciences.
Luna Bevin, 2010, MS. Department of Environmental and Radiological Health Sciences.
Michelle MacDonald, 2009, MS. Department of Food Science and Human Nutrition.
Charlotte Wellen, 2009, MS. Department of Animal Sciences. Co-Advisor

PhD: 9

Ana Velasquez Munoz, 2021, PhD. Department of Animal Sciences
Diego I. Manriquez Alvarez, 2018, PhD. Department of Animal Sciences.
Sam Jalali, 2018, PhD. Department of Animal Sciences.
Sushil Paudyal, 2018, PhD. Department of Animal Sciences.
Colton Atkins, 2018, PhD. Department of Animal Sciences.
Dan Autenrieth, 2015, PhD. Department of Environmental and Radiological Health Sciences.
Marco Dib, 2012, PhD. Department of Animal Sciences.
Barb Howe, 2012, PhD. Department of Animal Sciences.
Tunsisa Harisso, 2011, PhD. Department of Soil and Crop Sciences.

UNDERGRADUATE STUDENTS:

Advisor for all Animal and Equine Sciences Vet Start Students Fall 2014- Spring 2019.

Previous Undergraduate Advisees:

13 for 2015
18 for 2014
14 for 2013
16 for 2012
17 for 2011
8 for 2010
9 for 2009

ADDITIONAL MENTORING ACTIVITIES

CSU President Leadership Program, Leadership Field Experience Supervisor

Hailey Bradley, 2019

Women in Science Mentoring & Networking Event

January 25, 2019

CSU Honors Undergraduate Students

Thesis Main Advisor:

Joslin Hall, 2024

Isabelle Cabrera, 2024

Treasure Morgan, 2024

Amanda Mills, 2023

Ariel Bowden, 2022

Grace Branaugh, 2022

Alison Kukerda, 2021

Jasmine Stanton, 2019

Annie Comptom, 2017

Rachael Crouse, 2016

Jordan Bui, 2016

Natalie Blackmer, 2011

Thesis Committee Member:

Margaret Salter, 2023

Miranda Zuvich, 2022

Tierra Mathews, 2021

Gianna Tarka, 2020

Sam Leach, 2019

Kenny Shuster, 2019

Kayla Dale, 2018

Katrina Smith, 2018

Jordan Tarbutton, 2018

Emily Cornwell, 2018

Janna Smith, 2017

Shelly McDaniel, 2016

Danielle Straatmann, 2004

Honors Enrichment program:

Amanda Mills, ANEQ 313, Fall 2023

Erlene Jia Ying Chek, ANEQ313, Fall 2023

Treasure Morgan, ANEQ 313, Fall 2022

Margaret Salter, ANEQ 313, Fall 2022

Jordan Marsh, ANEQ 313, Fall 2018

Annie Compton, ANEQ 313, Fall 2016

Janna Smith, ANEQ 313, Fall 2016

Rachael Crouse, ANEQ 473, Fall 2016

Haley Davis, ANEQ 473, Fall 2014

Hanna Lewis, ANEQ 473, Fall 2013

Nicole Cummings, ANEQ 473, Fall 2013

Kimberly Perez, ANEQ 313, Fall 2013

Anna Quist, VS 300, Fall 2012

Holy Mask, ANEQ 473, Fall 2012

Amanda Chang, ANEQ 473, Fall 2010
Natalie Blackmer, ANEQ 473, Fall 2010
Oriana Beemer, ANEQ 473, Fall 2009

PVM Student Mentoring

Sarah Kappel, 2017- 2021
Jordan Bui, 2017- 2021

Independent Study

Jasmine Stanton, 2019
Jairo Palomares, Fall 2014
Kayle Austin, Fall 2010
Josh Cleland, Spring 2010
Kayla Halverston, Spring 2009

Undergraduate Internship On-Campus Supervisor

Frances Martin, 2022
Kristalyn Benson, 2022
Jessica Wagner, Spring 2017
Grace Hough, Fall 2016
Jordan Bui, Fall 2013
Sally Strohn, Fall 2013
Jeffrey Mills, Summer 2013
Anne Wilson, Spring 2013
Danielle Ufer, Spring 2013
Megan Riveros, Fall 2012
Elizabeth Boyd, Summer 2012
Katie Robeson, Spring 2011
Hannah Todd, Summer 2010
Katie Robeson, Summer 2009
Yesenia Talavera, Fall 2009 (Cooperator)
Nicole Isenberg, Spring 2009
Hannah Todd, Spring 2009
Madeline Robinson, Spring 2009

Sigma Alpha Sorority Faculty Advisor, 2011-2018

CV SECTION 4: Evidence of Outreach/Service/Extension

COMMITTEES

University Committees:

Los Consejos, a Hispanic Serving Institution Advisory Group, 2023-present
Sustainable Livestock Systems Collaborative Steering Committee Member, 2019- 2021
CSU's Grievance Panel, 2019-2020
CoGen (Previously the Standing Committee on the Status of Women Faculty), 2019- 2022
CSU Extension's Diversity Catalyst Team Member, 2010-2015
AGEP Fellowship Selection Committee, 2013

College Committees:

CAS Inclusive Syllabus Working Group, 2020
CAS Ag Literacy Committee, 2020
CAS Y-Cross Committee, 2020- 2023
Sustainable Livestock Systems Collaborative Director Search Committee, 2020

Animal Research Associate II Search Committee, 2015
College of Agricultural Sciences, Student Affairs Committee, 2011- 2016 and 2019
Master of Agriculture Advisory Committee, 2010-2012
College of Agricultural Sciences Extension Committee, 2011-2013

Department Committees:

Academic Success Coordinator, Search Chair, 2022
Dairy Systems Specialist Search Committee, 2021-2022
Faculty Annual Evaluations Panel, Department of Animal Sciences: Spring 2022
Equine Sciences Instructor (LOR) Search Committee Chair, 2021
Animal Science Curriculum Committee Chair, 2019- 2023
Animal Sciences DEI Committee, 2019- present
Animal Sciences Teaching and Research Position Search Committee, 2019
Animal Sciences Department Head Search Committee, 2018-2019
Animal Sciences Promotion and Tenure Committee 2015-present
Beef/Dairy Systems Management (2 positions) Search Committee, 2014-2015
Instructor, Dairy Population Health Management Search Committee, 2014-2015 (Department of Clinical Sciences)
Animal Sciences Coordinating Committee, 2014-2023
Grade Appeal Committee, faculty member, 2013
Meat Science Associate/Full Professor Search Committee, 2012-2013
Dairy Herd Health Management Search Committee, 2012 (Department of Clinical Sciences)
Animal Sciences Department Chair Search Committee, 2010-2011
John E. Rouse Chair in Beef Breeding & Genetics Search Committee, 2009-2010
Animal Sciences Curriculum Committee Member, 2008-2019
Beef Seedstock Management Systems/Cow Calf Search Committee, 2008-2009
Dairy Herd Health Management Search Committee, 2009 (Department of Clinical Sciences)

Animal Sciences Tenure Track Faculty and CCAF Mentoring Committees:

TTF: Cait Cadaret, Devan Catalano, Catie Cramer (Chair)
CCAF: Libby Biggler, Sharon Butler, Sam Cunningham, Brett Kirch

State, Regional and National Dairy Industry Committees:

American Association of Bovine Practitioners, Animal Welfare Committee, 2021- present
American Dairy Science Association, Annual Meeting, Extension Committee 2018-2021
BQA Advisory Committee member, 2015-2020
International Dairy Research Consortium member, 2015- present
Secure Milk Supply Project working group, 2012-2016
Dairy Days Planning Committee Member, 2008-2013, Committee Head 2012-present
Western Dairy Management Conference Planning Committee, 2010-present
High Plains Dairy Conference Planning Committee, 2009-present
Colorado Livestock Association, Human Resource's Sub Committee Member, 2009-2012 Annual
Colorado Dairy Nutrition Conference, Planning Committee and Host, 2009-2010

Department, College and University Functions:

High Plains Intermountain Center for Agricultural Health and Safety (HICAHS), 2013-22
Reviewer of applications/MMI interviewer for CVMBS PVM program, 2017-2020
Ram Welcome and Ram Camp, Presenter, Fort Collins, CO, 2009-2015
Animal Sciences Academic Quadrathlon:
Coordinated dairy written exam, Fall 2010, Spring 2012-2013

Judged oral presentations, Fall 2009

Co-Hosted the Spring Branding Banquet for the Department of Animals Sciences. Fort Collins, CO. April 2011

Represented Animal Sciences faculty at graduation: Fall 2008, Spring 2010- 2019 and 2023

SERVICE/OUTREACH ACTIVITIES AND ACCOMPLISHMENTS

1. The Intersection between Human and Animal Wellbeing: Research Overview for Dairy Farmers of America's Dairy Science and Farm Practices Team. Jan 12, 2024.
2. Walk with a Doc and a Dog: "Dairy Workers, Dairy Animals, and One Health". CSU campus, Fort Collins, CO. October 2019.
3. Presented to Westminster FFA high school students about Animal Sciences, ARDEC. Fort Collins, CO. November 2018.
4. Dairy MAX dairy tour for dieticians. Wellington, CO. July 2018.
5. Dairy MAX dairy tours (2) for schoolteachers. Wellington, CO. July 2018.
6. FCHS Caminos Career Luncheon, Fort Collins, CO. Spring 2016 and 2018.
7. WDA Tell Your Story workshop for College of Agricultural Sciences undergraduate students, Fort Collins, CO. March 2018.
8. Dairy Tour for Universidad Nacional de Cordoba in Argentina's Animal Sciences students and faculty. La Luna Dairy, Wellington, CO. August 2017.
9. Western Dairy Association's Day on the Dairy Event. Facilitator. Mountain View Family Farm, Loveland, CO. June 2017.
10. Poudre School District Summer Institute: College and Career Readiness. Agriculture/natural resources panel for teachers and counselors. Panel member. Fort Collins, CO. June 2017.
11. Invited to discuss career path and challenges as a Latina by the CSU chapter of Minorities in Agriculture Natural Resources and Related Sciences (MANRRS), October 2014.
12. Recruitment trip to the University of Puerto Rico-Mayaguez. The trip was funded by AGEP Mini-Recruitment Grant and the College of Agricultural Sciences in efforts to recruit highly qualified minority students for graduate programs in the Department of Animal Sciences as well as other research areas within the Colleges of Agricultural Sciences and Veterinary Medicine and Biomedical Sciences.
13. Alliance Partnership Presentation: Montezuma Cortez Middle School. Presentation on dairy product choices. ARDEC, Fort Collins, CO. May 2014. 70 students.
14. Alliance Partnership Presentation: Montezuma Cortez Middle School. Presentation on dairy product choices. ARDEC, Fort Collins, CO. May 2013. 75 students.
15. Alliance Partnership Presentation: Centauri High School, La Jara, CO. Presentation on animal sciences and veterinary medicine college and career options. ARDEC, Fort Collins, CO. April 2011. 35 students
16. Thriving Locally in a Global Economy. Co-Hosted and collaborated with the planning of a dairy industry dinner in which 3 internationally recognized speakers discussed the global dairy market, risk management and animal welfare issues. August 2011. 165 participants.
17. Dairy Tour, Fuel Up To Play 60 tour, Hudson Academy visit to Lost Creek Dairy. 141 students. Roggen, CO. May 2016.
18. Western Dairy Association sponsored tour of La Luna Dairy. Audrey Rowe from USDA and Governor Hickenlooper visited the dairy and lead a discussion on childhood nutrition and hunger, and the role that dairy plays in school nutrition programs, October 2014.
19. La Luna Dairy Milking Parlor Tour for Wellington Jr. High School, Wellington, CO. Fall 2004-2011 and 2013-2017. 100-150 students per year.
20. La Luna Dairy Tour for Front Range Community College. Wellington CO. Spring 2011.Fall 2013 and 2014, Spring 2015 and 2016. 25 students per semester.

21. Western Dairy Association and Colorado Dieticians tour of La Luna Dairy, Wellington, CO. April 2013 and May 2014.
22. ESA-SEEDS tour of La Luna Dairy, Wellington, CO. April 2014.
23. Dairy Tour for Russian producers and veterinarians, Longs Peak Dairy, August 2010.
24. Pennsylvania Dairy Tour Group. Dyecrest Dairy, Johnson Dairy, Longs Peak Dairy, 2008.
25. Colorado Dairy Tour Group: Leprino Foods Dairy Products Research and Development, Denver, CO. November 2010.
26. Colorado Dairy Tour Group: Fagerberg Produce, Eaton, CO and Quail Ridge Dairy, Fort Morgan, CO. August 2010.
27. CSU update to Colorado Livestock Association. Board Meeting, ARDEC, Fort Collins, CO, Fall 2010.
28. CSU update to Colorado Livestock Association. Dairy Council Meeting, Lone Tree, CO, Summer 2009.
29. ARDEC field trip for Laurel Elementary Kindergarten class, “How do germs spread?”, Spring 2010, 60 students.
30. Hosted Dairy Producer Meetings with Department of Agriculture and Resource Economics Faculty. 2 sessions. (Johnstown, CO, November 2009; Platteville, CO, September 2009).
31. Volunteer:
 - Animal House, Fort Collins, CO. Summer-Fall 2018, 10 hrs.
 - Global Village Academy, Fort Collins, CO. Spring 2015, 2 hrs; Fall 2015, 2 hrs.
 - Ponderosa Elementary School, Loveland CO. Fall 2010, 2 hrs.

EXTENSION PRESENTATIONS

Presentations for Dairy Industry and Public:

1. Animal Welfare: What are Dairy Managers Responsible for? Presentation in Spanish for Expo en Español Educational Program, World Dairy Expo, Madison, WI. October 3, 2024.
2. Engaging with our State Webinar: Exploring the intersection of human and animal welfare on livestock operations. August 12, 2021.
3. Communicating Across Cultural Differences. Presented at CSU Extension Manager’s Forum. Yuma, CO. November 2011.
4. Cattle Handling and Proper Injection Sites. Presented in Spanish for CSU Extension. Yuma, CO. November 2011.
5. Dairy Production. Presented at CSU Extension’s Small-Scale Livestock Workshop. Longmont, CO. September 2011.
6. Bridging the culture divide for training and daily operations. Presented at CSU Extension’s Future of Alfalfa in Dairy Nutrition Workshop. Fort Morgan, CO. March 2011.
7. Dairy Cattle Handling: Focusing on Animal Well-being and Dairy Beef Quality. Dairy Management Program in Spanish Seminar. Fort Morgan and Eaton, CO. June 2010.
8. Health and Nutritional Management of Transition Dairy Cows. Dairy Management Program in Spanish Seminar. Greeley, CO. January 2010.
9. Heifer Calf Rearing. Dairy Management Program in Spanish Seminar. Eaton, CO. July 2009.
10. Feeding Management. Dairy Management Program in Spanish Seminar. Eaton, CO. May 2009.
11. Downer Cow Management and Wellbeing. Dairy Management Program in Spanish Seminar. Greeley, CO. January 2009.
12. Dairy Safety and Inspection. Dairy Management Program in Spanish Seminar. Greeley, Co. May 2008.
13. Replacement Heifer Rearing. Dairy Management Program in Spanish Seminar. Greeley, CO. January 2008.
14. Milking Parlor Management. Dairy Management Program in Spanish Seminar. Greeley, CO. November 2007.

15. Feeds and Feeding Management. Dairy Management Program in Spanish Seminar. Greeley, CO. June 2007.
16. Supervision, Safety and Training. Dairy Management Program in Spanish Seminar. Greeley, CO and Fort Morgan, CO. March 2007.
17. Sick Cow Identification and Fresh Cow Health. Dairy Management Program in Spanish Seminar. Greeley, CO. January 2007.
18. Calving Management. Dairy Management Program in Spanish Seminar. Fort Collins, CO. October 2006.
19. Dairy Parlor Management. Dairy Management Program in Spanish Seminar. Greeley, CO. March 2006.
20. Bovine Lameness. Dairy Management Program in Spanish Seminar. Greeley, CO. January 2006.
21. Reproductive Management and Fresh Cow Health. Dairy Management Program in Spanish Seminar. Fort Morgan, CO and Greeley, CO. November 2005.
22. Supervision, Safety and Training. Dairy Management Program in Spanish Seminar. Greeley, CO. September 2005.
23. Feeds and Feeding Management. Dairy Management Program in Spanish Seminar. Wiggins, CO. June 2005.

Presentations for Individual Colorado Dairy Operations:

24. Euthanasia Decision Making Case Studies (Early Lactation Cow and Calf Pneumonia). **2 sessions/2 different dairies.** (AOD at High Plains, CO, Nov 2021; Mountain View Farm, Loveland CO, Nov 2021).
25. Calf Rearing School and Sick Calf Care. **9 sessions/5 different dairies.** (Blue Sky Dairy, Mead CO, Sept 2021; La Luna Dairy, Wellington, CO, August 2020; Blue Sky Dairy, Mead CO, August 2020; La Luna Dairy, Wellington, CO, October 2018; Blue Sky Dairy, Mead CO, September 2018; La Luna Dairy, Wellington, CO, October 2014; Blue Sky Dairy, Mead, CO, April 2014; Badger Creek Dairy, Fort Morgan, CO, November 2007; Shelton Dairy, La Salle, CO, September 2003).
26. Calf Salmonellosis Control Measures. **2 sessions.** (Hirsch Dairy, Severance, CO, January 2008; Hirsch Dairy, Severance, CO, October 2004).
27. Calving Management. **26 sessions/15 different dairies.** (La Luna Dairy, Wellington, CO, February 2016; Hirsch Dairy, Severance, CO, March 2015; La Luna Dairy, Wellington, CO, April 2013; Aurora Organic Dairy, at High Plains, CO, October 2011; Dyecrest Dairy, Fort Collins, CO, October 2010; Veeman and Sons Dairy, Wiggins, CO, April 2010; Dyecrest Dairy, Fort Collins, CO, April 2008; Badger Creek Dairy, Fort Morgan, CO, April 2008; Coolidge Dairy, Coolidge, KS, January 2008; Badger Creek Dairy, Fort Morgan, CO, December 2006; Hirsch Dairy, Severance, CO, May 2006; Diamond D Dairy, Mead, CO, May 2006; Smith Dairy, Yuma, CO, February, 2006; Bella Holsteins, Fort Collins, CO; La Luna Dairy, Wellington, CO, September 2005; La Luna Dairy, Wellington, CO, May 2005; Diamond D Dairy, Mead, CO, December 2004; Bernhardt Dairy, Fort Collins, CO, March 2004; Morwai Dairy, Fort Collins, CO, March 2004; Bella Holsteins, Fort Collins, CO, April 2003; Shelton Dairy, Fort Collins, CO, April 2003; Empire Dairy, Fort Collins, CO, January 2003; La Luna Dairy, Wellington, CO, January 2003; Badger Creek Dairy, Fort Collins, CO, December 2002; Painted Prairie Farm, Fort Collins, CO, November 2002; Podtburg Dairy, Fort Collins, CO, September 2002).
28. Colostrum Management. **2 sessions.** (Aurora Organic Dairy at High Plains, CO, November 2006; Aurora Organic Dairy at Platteville, CO, November 2006).
29. Dairy Beef Quality Assurance. **3 sessions/3 different dairies.** (Bella Holsteins Dairy, Platteville, CO, July 2013; La Luna Dairy, Wellington, CO, July 2013; Lucky Quarter Dairy, Galeton, CO, June 2013).
30. Dairy Worker Safety Training. La Luna Dairy, Wellington, CO. March 2014.
31. Dry Cow Procedures. **2 sessions.** (Aurora Organic Dairy at High Plains, CO, May 2007; Aurora Organic Dairy at Platteville, CO, May 2007).

32. Human Resource Management, Conflict Resolution and Harassment. **2 sessions.** (La Luna Dairy, Wellington, CO, July 2014; La Luna Dairy, Wellington, CO, December 2011).
33. Milking Procedures (Milker Training). **47 sessions/22 different dairies.** (Blue Sky Dairy, Mead, CO, Sept 2022; Blue Sky Dairy, Mead, CO, Sept 2021; Blue Sky Dairy, Mead, CO, July 2020; Blue Sky Dairy, Mead CO, August 2018; Blue Sky Dairy, Mead, CO, February 2016; Blue Sky Dairy, Mead, CO, September 2015; Blue Sky Dairy, Mead, CO, December 2014; Blue Sky Dairy, Mead, CO, April 2014; Blue Sky Dairy, Mead, CO, March 2014; Morning Fresh Dairy, Laporte, CO, February 2014; Blue Sky Dairy, Mead, CO, September 2013; Diamond D Dairy, Mead, CO, February 2012; Cedar Rose Dairy, Burlington, CO, July 2010; Painted Prairie Farm, Severance, CO, March 2008; Shelton Dairy, La Salle, CO, March 2008; Smith Dairy, Yuma, CO, February 2008; Bernhardt Dairy, Milliken, CO, February 2008; Diamond D Dairy, Mead, CO, February 2008; Morning Fresh Dairy, Laporte, CO, February, 2008; Galeton Dairy, Galeton, CO, February 2008; Lucky Quarter Dairy, Galeton, CO, February 2008; Mountain View Farm, Loveland, CO, January 2008; Quail Ridge Dairy, Fort Morgan, CO, January 2008; A & A Dairy, Loveland, CO, January 2008; Smith Dairy, Yuma, CO, July 2007; Double W Dairy, Holyoke, CO, July 2007; Camerlo Dairy, Florence, CO, June 2007; Rainbow Park Dairy, Florence, CO, June 2007; Aurora Organic Dairy at High Plains, CO, April 2007; Aurora Organic Dairy at Platteville, CO, March 2007; Hirsch Dairy, Severance, CO, October 2006; Smith Dairy, Yuma, CO, September 2006; Smith Dairy, Yuma, CO, March 2006; Hirsch Dairy, Severance, CO, March 2006; Diamond D Dairy, Mead, CO, February 2006; Pickert's Dairy, Berthoud, CO, February 2006; Diamond D Dairy, Mead, CO, November 2005; La Luna Dairy, Wellington, CO, October 2005; Shelton Dairy, La Salle, CO, March 2005; Bella Holsteins Dairy, Platteville, CO, March 2005; Rainbow Park Dairy, Florence, CO, February 2005; Diamond D Dairy, Mead, CO, January 2005; Hirsch Dairy, Severance, CO, January 2004; Diamond D Dairy, Mead, CO, September 2003; Bella Holsteins, Platteville, CO, August 2003; Shelton Dairy, La Salle, CO. June 2003; Painted Prairie Farm, Fort Collins, CO, May 2003).
34. Neonatal Calf Care Procedures. **2 sessions.** (Aurora Organic Dairy at Platteville, CO, April 2007; Aurora Organic Dairy at High Plains, CO, March 2007).
35. Physical Exam and Fresh Cow Health. **8 sessions/6 different dairies.** (Badger Creek Dairy, Fort Morgan, CO, December 2011; Veeman and Sons Dairy, Wiggins, CO, April 2010; Bernhardt Dairy, Milliken, CO, October 2007; Aurora Organic Dairy at High Plains, CO, June 2007; Aurora Organic Dairy at Platteville, CO, June 2007; Shelton Dairy, La Salle, CO, March 2007; Smith Dairy, Yuma, CO, January 2006; Badger Creek Dairy, Fort Morgan, CO, October 2004).
36. Sick Calf Identification and Treatment. Hirsch Dairy, Severance, CO, March 2006.
37. Vaccinations Protocols. Aurora Organic Dairy at High Plains, CO, March 2007.

INTERVIEWS AND MEDIA APPEARANCES

1. Operations Managers Conference: Managing for consistency while leading through change- The Intersection Between Animal and Human Wellbeing and Productivity. Julie Berry. The Manager, July 2023.
2. Cultural Awareness for Veterinarians Working with LatinX Livestock Caretakers. Have You Herd? AABP Podcasts. February 27, 2023. <https://www.buzzsprout.com/814177/12285370-cultural-awareness-for-veterinarians-working-with-latinx-livestock-caretakers>
3. Want productive workers? Spend more time listening than talking. Burt Rutherford. Beef Magazine. August 20, 2019. <https://www.beefmagazine.com/commentary/want-productive-workers-spendmore-time-listening-talking>
4. Building a World, Video for Women in Science Symposium, 2019. <https://www.youtube.com/watch?v=sjVSjja8kg>
<https://cvmb.s.csource.colostate.edu/slam-poet-writes-building-a-world-poem-for-women-in-science-symposium/>

5. Proud to be a CSU Ram Campaign, 2018.
<https://proudtobe.colostate.edu/noa-roman-muniz/>
<https://www.youtube.com/watch?v=4oHmJLIrryM>
6. June Dairy Month Undeniably Devoted to Dairy campaign, 2018.
<https://www.dairydiscoveryzone.com/blog/undeniably-devoted-animal-and-human-connection>
7. Vet Schools Tailor Spanish Classes To Bridge Language Barrier With Farmworkers by Esther Honig. Harvest Public Media. July 23, 2018. *Interview* <http://www.harvestpublicmedia.org/post/vet-schools-tailor-spanish-classes-bridge-language-barrier-farmworkers>
8. With Spanish Classes, Vet Schools Aim To Break Down Barriers With Farmworkers by Esther Honig. NPR. July 26, 2018. *Interview*
https://www.npr.org/sections/thesalt/2018/07/26/529587702/with-spanish-classes-vet-schools-aim-to-break-down-barriers-with-farmworkers?utm_medium=RSS&utm_campaign=news
9. Colorado State veterinary students can now learn Spanish to help on state's farms and ranches by Monte Whaley. The Denver Post. July 28, 2018. *Interview*
<https://www.denverpost.com/2018/07/28/colorado-state-vet-students-can-now-learn-spanish/>
10. Improving dairy farm success through animal and human wellbeing. 2017. Interview. Featured in CSU SOURCE <https://source.colostate.edu/improving-dairy-farm-success-animal-human-wellbeing/> and CSU Alumni Spotlight <http://alumline.colostate.edu/2017/09/12/alumna-improves-dairy-farms-through-animal-and-human-wellbeing/>
11. 2016, Summit County Myth Busters: Raw Milk. Interviewed as a dairy expert. Available at <https://www.youtube.com/watch?v=79-5Nju8COs>
12. Turning a Community into Dairy Advocates. Western Dairy Association blog. *Interview*.
<http://westerndairyassociation.org/turning-a-community-into-dairy-advocates/>
13. Sowing seeds of tolerance in the agriculture industry, by Max Heidt for Boulder Weekly. February 18, 2016. *Interview*. <http://www.boulderweekly.com/boulderganic/sowing-seeds-of-tolerance-in-the-agriculture-industry/>
14. Without Immigration Fix, Colorado Dairies Struggle to Find Workers, by Luke Runyon & Harvest Public Media. February 3, 2015. *Interview*
15. National Natural Foods Chains Pulls All 'Confinement Dairy' Products, by Katherine Merlo, Dairy Today. AgWeb.com May 1, 2014 *Interview*
16. Relief for Weld vegetable growers, dairymen: H-2A program likely going away. Greeley Tribune. May 6, 2013. *Interview*
17. Open the lines of communication, by Megan Pierce. 2011. Dairy Herd Management. 48(3):26-31. *Interview*
18. Cattlemen to Cattlemen BQA Dairy, 2010. Mead, CO. Aired October 26, 2010.
19. Food Quest (pilot), 2010. Hirsch Dairy, Severance, CO.
20. Enhancing Dairy Worker Training, by Geni Wren. 2008. Bovine Veterinarian. September Issue, 42-48. *Interview*
21. Dairy Herd News Source. 2005. Colorado offers dairy training in Spanish. Dairy Herd Management. News and Editorial. Available at <http://www.dairyherd.com/dairy-news/latest/colorado-offers-dairy-training-in-spanish-114049189.html>