

ALISON LOUISE VAN EENENNAAM

1. EDUCATION

1997 Doctor of Philosophy in Genetics
University of California, Davis

1990 Master of Science in Animal Science
University of California, Davis

1987 Bachelor of Agricultural Science (Hons.)
University of Melbourne, Australia

2. PROFESSIONAL EXPERIENCE

July 2010 - present **Cooperative Extension Specialist in Animal Biotechnology and Genomics**
Department of Animal Science, University of California, Davis

July 2006 - June 2010 **Associate Cooperative Extension Specialist in Animal Biotechnology and Genomics**
Department of Animal Science, University of California, Davis

September 2002 - June 2006 **Assistant Cooperative Extension Specialist in Animal Biotechnology and Genomics**,
Department of Animal Science, University of California, Davis

July 2000 - June 2002 **Project Leader**, Monsanto, Calgene Campus
Davis, CA, U.S.A.

July 1998 - June 2000 **Research Scientist**, Monsanto, Calgene Campus
Davis, CA, U.S.A.

January 1991 - September 1993 **Regional Dairy and Livestock Farm Advisor (County Agent)**,
University of California Cooperative Extension,
San Joaquin and Sacramento Counties, CA, U.S.A.

July 1987 to - April 1988 **Development Scientist**
Coopers Animal Health
New South Wales, Australia

April 1984 to - November 1984 **International Agricultural Exchange Association (IAEA) trainee**
Genetic Resources Inc., Bovine Reproduction Facility
San Marcos, TX, U.S.A.

3. PROFESSIONAL COMMITTEE APPOINTMENTS

- Appointed by the Secretary of Agriculture to the national USDA 16568 – “**Advisory Committee on Biotechnology and 21st Century Agriculture (AC21)**”. (6/2005-12/2008)
- **National Beef Cattle Evaluation Consortium (NBCEC) Industry Council** - National Cooperative Extension Representative (6/2005-present)
- **California Beef Cattle Improvement Association (CBCIA) Advisor** (2004-present)
- Temporary Voting Member, **2010 AquAdvantage Genetically-Engineered Salmon Veterinary Medicine Advisory Committee** for the Commissioner of the Food and Drug Administration (FDA)
- **American Society Animal Science (ASAS) Public Policy Committee** (2010-2013)
- **Federation of Animal Science Societies (FASS) Science Policy Committee** (2012-2013)

4. AWARDS

- 2014 Council of Agricultural Science and Technology (CAST) Borlaug Communication Award
- 2014 American Association of Animal Science (ASAS) National Extension Award
- 2013 American Association of Animal Science (ASAS) Video Competition Winner for 5 minute YouTube video “*Gene Shop*” (<http://www.youtube.com/watch?v=IPQ8MPDFV64>)
- 2013 Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE) Honorable mention for video “*Were those the days my friend?*”
- 2012 American Association of Animal Science (ASAS) Video Competition Winner for 5 minute video “*Were those the days my friend?*” (<http://www.youtube.com/watch?v=6B-CH-NCdiY>)
- 2010 American Association of Public and Land-Grant Universities (APLU), 2010 National Award for Excellence in Extension
- American Society of Animal Science, Western Section Extension Award
 - Association for Communication Excellence (ACE) Bronze Award for “*Animal Biotechnology*” Educational Video Production
- 2009 University of California Agriculture and Natural Resources “Outstanding New Professional Distinguished Service Award 2009”
- University of California, Davis “2009 Academic Federation Award for Excellence in Research”
 - The Communicator “Award of Distinction” for “*Animal Biotechnology*” video production (<http://www.youtube.com/watch?v=qCIvAuwaf-o>)
- 2005 The Communicator “Award of Distinction” for “*Genetic Engineering in California Agriculture*” video. (<http://www.youtube.com/watch?v=Zzh5TVXaAr4>)
- The National Association of County Agricultural Agents (NACAA) Communication Award State and National, First Place Winner for website entry “*ucbiotech.org*” (joint with P. Lemaux)
 - The NACAA Communication Award State Winner and National Finalist for video entry “*Genetic Engineering in California Agriculture*”
 - The NACAA Program “Search for Excellence” Awards. State Winner for “*Animal Genomics and Biotechnology Extension Program.*”

5. GRANT FUNDING RECORD

ACTIVE

- **New Approaches to Bovine Respiratory Disease Prevention, Management, and Diagnosis Conference Grant.** USDA National Institute of Food and Agriculture Competitive Grant no. 2013--01236. 9/30/2013–12/31/2014. \$10,000. A. L. Van Eenennaam (PD).
- **Genomic Interrogation of the Putative Etiological Agent of Epizootic Bovine Abortion (EBA)** Rustici grant program. 1/1/2013-12/31/2013 \$51,737 A. L. Van Eenennaam (PD)
- **Identification and management of alleles impairing heifer fertility while optimizing genetic gain in Angus cattle** USDA National Institute of Food and Agriculture Competitive Grant. 2013-68004-20364. 1/1/13-12/31/17. \$3,000,000. Dave Patterson, (PD). A L. Van Eenennaam (Co-PD)
- **Risk Assessment, welfare analysis, and extension education for dairy calf respiratory disease management in California.** UC ANR Grant Program. \$599,872. 9/1/2012-8/31/2016 Sarif Aly (PD). A. L. Van Eenennaam (Co-PD).
- **Integrated program for reducing bovine respiratory disease complex in beef and dairy cattle.** USDA National Institute of Food and Agriculture Competitive Grant no. 2011-68004-30367. 4/15/2011–4/15/2016. \$9,750,000. Jim Womack (PD). A. L. Van Eenennaam (Co-PD).
- **Identification of gene targets for improved efficiency and sustainability of beef production using exome capture, RNA-seq and high density SNP genotyping technologies.** Pfizer cattle call. \$100,000 10/1/2012-10/1/2014. A. L. Van Eenennaam (PD)

- **A metagenomic analysis of the effect of transportation stress and pathogen infection on the nasal bacterial microbiota of cattle** Innovative Development Award Program. \$7,908.34 7/1/2012-6/30/2014. A. L. **Van Eenennaam** (PD).
- **Characterizing the nasal microflora of diseased and healthy cattle.** UC Davis Genome Center Core Facility Pilot Projects. \$2,000 10/1/2012-10/1/2014. A. L. **Van Eenennaam** (PD)

COMPLETED

- **Integrating DNA information into beef cattle production systems.** USDA-NRI Animal Genome Integrated Grant 1/1/2009-12/31/2013 \$550,000 A. L. **Van Eenennaam** (PD)
- **Coordinated Electronic Extension of Information to Cattlemen. Rustici grant program.** \$10,000 1/1/2012-12/31/2012. Glenn Nader (Co-PD) A. L. **Van Eenennaam** (Co-PD).
- **Alterations in membrane composition and function with calorie restriction.** NIH RO1 10/1/07 - 9/30/12 \$1,757,644. Jon Ramsey (PI). Collaborator A. L. **Van Eenennaam**
- **Applied Genomics for Sustainable Livestock Breeding.** Western Sustainable Agriculture Research and Education (SARE) Professional 5/1/11-12/12/11. \$4,000. A. L. **Van Eenennaam** (PD)
- **Economic analysis of integrating DNA information into beef cattle production systems.** UC Davis Academic Federation Professional Development Award. 7/1/09-6/30/10 \$9,980. A. L. **Van Eenennaam** (PI)
- **Whole genome associations for sire prolificacy on California commercial beef cattle ranches.** UC/CSU Collaborative Research Program. 1/1/10-12/31/10. \$9,000. A. L. **Van Eenennaam** (Co PI) and B L. Golden (Co PI)
- **2009 Beef Improvement Federation Annual Research Symposium and Annual Meeting.** USDA-NRI ANIMAL GENOME Conference Grant \$10,000. 1/1/2009-12/31/2009 A. L. **Van Eenennaam** (PD)
- **2009 Beef Improvement Federation Conference.** UC Davis CA&ES Programmatic Initiatives. Conference grant. \$5,000. A. L. **Van Eenennaam** (PI)
- **2009 Beef Improvement Federation Conference. California Beef Council. FY 2009 Proposal.** Conference support grant. \$1,500. A. L. **Van Eenennaam** (PI)
- **Development of an Integrated Animal Identification and Tracking System.** University of California Core Issues Grant 3/1/07-2/28/09 \$80,000 A. L. **Van Eenennaam** (PI)
- **Biological containment of genetically engineered fish.** USDA – BRAG Biotechnology Risk Assessment 9/1/05-8/31/08 \$243,341 A. L. **Van Eenennaam** (PI)
- **Assessment of the well-being and behavior of genetically engineered dairy goats.** USDA–NRI 10/1/05 – 9/30/08 \$349,551 E. Maga, J. Murray, J. Mench and A. L. **Van Eenennaam** (Co-PI)
- **Validation of new technologies for beef cattle improvement.** California Cattlemen’s Livestock Memorial Research Fund. 7/1/05 – 6/30/06 \$9,950 A. L. **Van Eenennaam** (PI)
- **Coexistence of Diverse Production Systems in California Agriculture Development of Science based Educational Materials and Outreach Programs.** UC ANR Core Issues Grant. 3/1/05 – 2/28/06 \$35,000. A. L. **Van Eenennaam** (PI)
- **Functionality of recombinase/fluorescent marker fusion proteins in eukaryotes.** UC Davis Academic Federation Research Grants Program Innovative Development Awards \$ 9,920 7/1/05-6/30/2006 A. L. **Van Eenennaam** (PI)
- **Using replacement heifers to estimate carcass quality of herd mates.** California Beef Cattle Improvement Association. 5/2004; 5/2005 \$4,000. A. L. **Van Eenennaam** (PI)
- **Pilot Study on Mammary Expression of Novel Desaturases.** NIH NICHD R03 Small Grants Program. 7/1/04 – 6/30/06. \$150,000. A. L. **Van Eenennaam** (PI)
- **Identification and characterization of the lysophosphatidic acid acyltransferase from the echidna (*Tachyglossus aculeatus*) mammary gland.** NSF Women's International Science Collaboration (WISC) Travel Grant Program. \$4,300 A. L. **Van Eenennaam** (PI)

6. PEER-REVIEWED PUBLICATIONS

1. **Van Eenennaam**, A. L., and J. F. Medrano. 1991. Differences in allelic protein expression in the milk of heterozygous κ -casein cows. *Journal of Dairy Science* 74 1491-1496.
2. **Van Eenennaam**, A. L., and J. F. Medrano. 1991. Milk protein polymorphisms in the California dairy cattle population. *Journal of Dairy Science* 74 1730-1742.
3. **Van Eenennaam**, A. L., J. S. Cullor, L. Perani, I. A. Gardner, W. L. Smith, J. Dellinger, W. M. Guterbock, and L. Jensen. 1993. Evaluation of milk antibiotic residue screening tests in cattle with naturally occurring clinical mastitis. *Journal of Dairy Science* 76 3041-3053.
4. Guterbock, W. M., A. L. **Van Eenennaam**, R. J. Anderson, I. A. Gardner, J. S. Cullor, and C. A. Holmberg. 1993. Efficacy of intramammary antibiotic therapy for treatment of clinical mastitis caused by environmental pathogens. *Journal of Dairy Science* 76 3437-3444.
5. Cullor, J. S., A. L. **Van Eenennaam**, et al. 1994. Performance of various tests used to screen antibiotic residues in milk samples from individual animals. *J. AOAC Int.* 77 862-870.
6. **Van Eenennaam**, A. L., et al. 1995. Financial analysis of alternative treatments for clinical mastitis associated with environmental pathogens. *Journal of Dairy Science* 78 2086-2095.
7. **Van Eenennaam**, A. L., J. P. **Van Eenennaam**, J. F. Medrano, and S. I. Doroshov. 1996. Rapid verification of meiotic gynogenesis and polyploidy in white sturgeon (*Acipenser transmontanus* Richardson). *Aquaculture* 147 177-189.
8. **Van Eenennaam**, A. L., J. D. Murray, and J. F. Medrano. 1998. Synaptonemal complex analysis in spermatocytes of white sturgeon, *Acipenser transmontanus* Richardson (Pisces, Acipenseridae), a fish with a very high chromosome number. *Genome* 41 51-61.
9. **Van Eenennaam**, A. L., J. D. Murray, and J. F. Medrano. 1998. Mitotic analysis of the North American white sturgeon, *Acipenser transmontanus* Richardson (Pisces, Acipenseridae), a fish with a very high chromosome number. *Genome* 41 266-271.
10. **Van Eenennaam**, A. L., **Van Eenennaam**, J.P., Medrano, J.F., and Doroshov, S.I. 1999. Evidence of female heterogametic genetic sex determination in white sturgeon. *Journal of Heredity* 90 231-233.
11. **Van Eenennaam**, A. L., J. D. Murray, and J. F. Medrano. 1999. Karyotype of the American green sturgeon. *Transactions of the American Fisheries Society* 128 175-177.
12. **Van Eenennaam**, A. L., et al. 2003. Engineering vitamin E content from *Arabidopsis* mutant to soy oil. *Plant Cell*. 15 3007-3019.
13. **Van Eenennaam**, A. L., G. Li, M. Venkatramesh, C. Levering, X. Gong, A. C. Jamieson, C. K. Shewmaker, and C. C. Case. 2004. Elevation of seed α -tocopherol levels using plant-based transcription factors targeted to an endogenous locus. *Metabolic Engineering*. 6(2)101-8.
14. **Van Eenennaam**, A. L. 2004. DNA-based Marker-Assisted Selection in Beef Cattle. CL1043 in "Cow-Calf Management Guide & Cattle Producer's Library". University of Idaho, Moscow.
15. **Van Eenennaam**, A. L. 2004. Genetic Engineering in California Agriculture. 30 minute UC ANR peer-reviewed video. ANRUCTV 04-06. 6502V.
16. Van Deynze, A. **Van Eenennaam**, A.L. and Bradford, K.J. 2004. Crop Biotechnology Feeds for Livestock. UC ANR, Agricultural Biotechnology in California Series, Publication # 8145.
17. Wong, A.C., and A.L. **Van Eenennaam**. 2004. Gonadotropin hormone and receptor sequences from model teleost species. *Zebrafish*. 1(3)203-221.
18. Morimoto, K. C., A. L. **Van Eenennaam**, E. J. DePeters, and J. F. Medrano. 2005. Hot Topic Endogenous Production of Omega-3 and Omega-6 Fatty Acids in Mammalian Cells. *Journal of Dairy Science*. 88(3) 88(3) 1142-1146.
19. **Van Eenennaam**, A.L. 2005. Genetic Engineering and Animal Feed. UC ANR, Agricultural Biotechnology in California Series, Publication # 8183.
20. **Van Eenennaam**, A.L. 2005. Genetic Engineering and Animal Agriculture. UC ANR, Agricultural Biotech in California Series, Publication # 8184.

21. **Van Eenennaam**, A.L. 2005. Genetic Engineering and Fish. UC ANR, Agricultural Biotechnology in California Series, Publication # 8185.
22. **Van Eenennaam**, A. L. 2006. What is the future of animal biotechnology? California Agriculture. 60(3) 132-139.
23. **Van Eenennaam**, A. L. and P. G. Olin. 2006. Genetically engineered fish. California Agriculture. 60(3) 126-131.
24. Kao, B. T., K. A. Lewis, E. J. DePeters, and A. L. **Van Eenennaam**. 2006. Endogenous Production and Elevated Levels of Long-Chain n-3 Fatty Acids in the Milk of Transgenic Mice. Journal of Dairy Science. 89:3195-3201.
25. Kao, B. T., E. J. DePeters, and A. L. **Van Eenennaam**. 2006. Mice Raised on Milk Transgenically-Enriched with n-3 PUFA have Increased Brain Docosahexaenoic Acid. Lipids. 41(6):543-9.
26. Bongiovanni, K.D, E. J. DePeters, and A. L. **Van Eenennaam**. 2007. Neonatal Growth and Development of Mice Raised on Milk Transgenically-Enriched with Omega-3 Fatty Acids. Pediatric Research. 62(4):412-6.
27. **Van Eenennaam**, A. L., J. Li, R. M. Thallman, R. L. Quaas, M. E. Dikeman, C. A. Gill, D. E. Franke, M. G. Thomas. 2007. Validation of commercial DNA tests for quantitative beef quality traits. Journal of Animal Science. 85:891-900.
28. **Van Eenennaam**, A. L., R. L. Weaver, D. J. Drake, M. C. T. Penedo, R. L. Quaas , D. J. Garrick, E. J. Pollak. 2007. DNA-based paternity analysis and genetic evaluation in a large commercial cattle ranch setting. Journal of Animal Science. 85:3159–3169
29. Wong, A. C., and A. L. **Van Eenennaam**. 2008. Transgenic Approaches for the Reproductive Containment of Genetically Engineered Fish. Aquaculture. 275:1-12.
30. Pohlmeier, W., and A. L. **Van Eenennaam**. 2008. Animal Biotechnology. 30 minute UC ANR peer-reviewed video.
31. **Van Eenennaam**, A. L., and J. F. Medrano. 2008. Manipulation of milk fat composition through transgenesis, pages 343-354 in “Bioactive Components in Milk”, Volume 606 of Advances in Experimental Medicine and Biology. Edited by Z. Bösze. Springer. 483 pp.
32. **Van Eenennaam**, A. L., K. L. Weber, K. Coopridge, and D. J. Drake. 2010. Development and implementation of a vertically-integrated beef cattle data collection system. California Agriculture. 64: 94-100.
33. Fahrenkrug, S. C., A. Blake, D. F. Carlson, T. Doran, A. L. **Van Eenennaam**, D. Faber, C. Galli, P. B. Hackett, N. Li, E. A. Maga, J. D. Murray, R. Stotish, E. Sullivan, J. F. Taylor, M. Walton, M. Wheeler, B. Whitelaw, B. P. Glenn. 2010. Precision Genetics for Complex Objectives in Animal Agriculture. Journal of Animal Science. 88:2530-2539.
34. Hagopian, K., K. L. Weber, D. T. Hwee, A. L. **Van Eenennaam**, G. López-Lluch, J. M. Villalba, I. Burón, P. Navas, J. B. German, S. M. Watkins, K. A. Simmons Domer, Y. Chen, A. Wei, R. B. McDonald, and J. J. Ramsey. 2010. Complex I hydrogen peroxide production is decreased and electron transport chain enzymes activities are altered in n-3 enriched fat-1 mice. PLoS ONE. 5(9):e12696.
35. Pohlmeier, W., R. C. Hovey, and A. L. **Van Eenennaam**. 2011. Reproductive abnormalities in mice expressing omega-3 fatty acid desaturase in their mammary glands. Transgenic Research. 20:283-92.
36. Wong, A.C., and A. L. **Van Eenennaam**. 2011. FLPe functions in zebrafish embryos. Transgenic Research. 20:409–415.
37. **Van Eenennaam**, A. L., J.H. van der Werf, and M.E. Goddard. 2011. The value of using DNA markers for beef bull selection in the seedstock sector. Journal of Animal Science. 89:307-320.
38. **Van Eenennaam**, A. L. E. M. Hallerman, and W.M. Muir. 2011. The Science and Regulation of Food from Genetically Engineered Animals. Council for Agricultural Science and Technology (CAST) Commentary QTA2011-2. CAST, Ames, Iowa.
39. Coopridge, K. L., F. M. Mitloehner, T. R. Famula, E. Kebreab, Y. Zhao, and A. L. **Van**

- Eenennaam**. 2011. Feedlot efficiency implications on greenhouse gas emissions and sustainability. *Journal of Animal Science*. 89:2643-56
40. **Van Eenennaam**, A. L. 2011. Beef translational genomics: Lessons from the literature. *Association for the Advancement of Animal Breeding and Genetics*. 19: 271-278.
 41. **Van Eenennaam**, A.L. and W.M. Muir. 2011. Transgenic salmon: a final leap to the grocery shelf? *Nature Biotechnology*. 29: 706–710
 42. Rincon, G., K.L. Weber, A.L. **Van Eenennaam**, B.L. Golden, and J.F. Medrano. 2011. Performance of bovine high density genotyping platforms in Holsteins and Jerseys. *Journal of Dairy Science*. 94: 6116–6121.
 43. Q. Duan, R. G. Tait Jr, M.S. Mayes, D J. Garrick, Q. Liu, A. L. **Van Eenennaam**, R.G. Mateescu, D.L. Van Overbeke, A.J. Garmyn, D.C. Beitz, and J.M. Reecy. 2012. Genetic polymorphisms in bovine transferrin receptor 2 (TFR2) and solute carrier family 40 (iron-regulated transporter), member 1 (SLC40A1) genes and their association with beef iron content. *Animal Genetics*. 4:115-22.
 44. **Van Eenennaam**, A. L., and D. J. Drake. 2012. Where in the beef cattle supply chain might DNA tests generate value? *Livestock Production Science*. 52(3) 185-196.
 45. **Van Eenennaam**, A. L. 2012. “Integrated program for reducing bovine respiratory disease complex in beef and dairy cattle coordinated agricultural project (BRD CAP)”. *The American Association of Bovine Practitioners (AABP) Proceedings* 45: 36–39.
 46. **Van Eenennaam**, A. L. and M.D. MacNeil. 2012. “The Potential Value of DNA-based Tests for Bovine Respiratory Disease (BRD) Resistance to the Beef Cattle Supply Chain” *The American Association of Bovine Practitioners (AABP) Proceedings* 45: 60-64.
 47. Mateescu RG, Garmyn AJ, O’Neil MA, Tait RG Jr, Abuzaid A, Mayes MS, Garrick DJ, **Van Eenennaam** AL, Vanoverbeke DL, Hilton GG, Beitz DC, Reecy JM. 2012. Genetic parameters for carnitine, creatine, creatinine, carnosine, and anserine concentration in longissimus muscle and their association with palatability traits in Angus cattle. *Journal of Animal Science*. 90:4248-4255.
 48. Weber, K. L., R. M. Thallman, J. W. Keele, W. M. Snelling, G. L. Bennett, T. P. L. Smith, T. G. McDanel, M. F. Allan, A. L. **Van Eenennaam**, and L. A. Kuehn. 2012. Accuracy of genomic breeding values in multi-breed beef cattle populations derived from deregressed breeding values and phenotypes. *Journal of Animal Science*. 90:4191-4202
 49. Weber, K. L., D. J. Drake, J. F. Taylor, D. J. Garrick, L.A. Kuehn, R. M. Thallman, R. D. Schnabel, W. M. Snelling, E. J. Pollak, A. L. **Van Eenennaam**. 2012. The accuracies of DNA-based genetic merit prediction equations derived from Angus- and multi-breed beef cattle training populations. *Journal of Animal Science*. 90:4177-4190.
 50. Mateescu, RG, Garmyn, AJ, Tait, RG, Duan, Q, Liu, Q, Mayes, MS, Garrick, DJ, **Van Eenennaam**, AL, Vanoverbeke, DL, Hilton, GG, Beitz, DC, Reecy, JM. 2013. Genetic parameters for concentrations of minerals in longissimus muscle and their associations with palatability traits in Angus cattle. *Journal of Animal Science*, 91: 1067-75.
 51. Mateescu, RG, Garrick, DJ, Tait, RG, Garmyn, AJ, Duan, Q, Liu, Q, Mayes, MS, **Van Eenennaam**, AL, Vanoverbeke, DL, Hilton, GG, Beitz, DC, Reecy, JM. 2013. Genome-wide association study of concentrations of iron and other minerals in longissimus muscle. *Journal of Animal Science*, 91: 3593-3600.
 52. **Van Eenennaam**, A.L., W. M. Muir, and E. A. Hallerman. 2013. Is Unaccountable Regulatory Delay and Political Interference Undermining the FDA and Hurting American Competitiveness? A Response to Tim Schwab’s ‘Is FDA Ready to Regulate the World’s First Biotech Food Animal?’ *The Food and Drug Law Institute (FDLI) Food and Drug Policy Forum*. Volume 3 (12) July 24, 2013.
 53. **Van Eenennaam**, A.L. 2013. GMOs in Animal Agriculture: Time to Include a Risk: Benefit Analysis in Regulatory Decisions. *Journal of Animal Science and Biotechnology*. 4:37.
 54. McClure, M.C., T. S. Sonstegard, G. R. Wiggans, A. L. **Van Eenennaam**, K. L. Weber, M. C. Torres Penedo, D. Berry, J. Flynn, J. F. Garcia, A. Santana Carmo, L. C.A. Regitano, M.

- Albuquerque, M. V. G. B Silva, M. A. Machado, M. Coffey, K. Moore, M.-Y. Boscher, L. Genestout, R. Mazza, J. F. Taylor, R. D. Schnabel, B. Simpson, E. Marques, J. McEwan, A. Cromie, L. Lehmann Coutinho, L. Kuehn, J. Keele, E. Piper, J. Cook, R. Williams, C. Van Tassell. 2013. "Imputation of Microsatellite Alleles from Dense SNP Genotypes for Parentage Verification Across Multiple *Bos taurus* and *Bos indicus* breeds" *Frontiers in Livestock Genomics*. 4: 1-11.
55. **Van Eenennaam**, A. L., K. L. Weber, and D. J. Drake. 2013. The California Commercial Ranch Project. *Association for the Advancement of Animal Breeding and Genetics*. 20: 10-13.
56. **Van Eenennaam**, A.L., K. A. Weigel, A. E. Young, M. A. Cleveland, and J. C. M. Dekkers. 2014. Applied Animal Genomics: Results from the Field. *Annual Review of Animal Biosciences*. 2:105—139.
57. **Van Eenennaam**, A.L., K. L. Weber, and D. J. Drake. 2014. Evaluation of bull prolificacy on commercial beef cattle ranches using DNA paternity analysis. *Journal of Animal Science*. 92:2693-701.
58. **Van Eenennaam**, A. L., B. M. Chassey, N. Kalaitzandonakes, and T.P. Redick. Council for Agricultural Science and Technology (CAST). 2014. The Potential Impacts of Mandatory Labeling for Genetically Engineered Food in the United States. Issue Paper 54. CAST, Ames, Iowa.
59. **Van Eenennaam**, A. L., and A. Young. 2014. Prevalence and impacts of genetically engineered feedstuffs on livestock populations. *Journal of Animal Science*. 92:4255-4278.
60. Love, W. J., T. W. Lehenbauer, P. H. Kass, A. L. **Van Eenennaam**, and S. S. Aly. 2014. Development of a novel clinical scoring system for on-farm diagnosis of bovine respiratory disease in pre-weaned dairy calves. *PeerJ* 2: e238.
61. **Van Eenennaam**, A. L., H. Neibergs, C. Seabury, J. Taylor, Z. Wang, E. Scraggs, R. D. Schnabel, J. Decker, A. Wojtowicz, S. Aly, J. Davis, P. Blanchard, B. Crossley, P. Rossitto, T. Lehenbauer, R. Hagevoort, E. Chavez, J. S. Neibergs and J. E. Womack. Results of the BRD CAP project: progress toward identifying genetic markers associated with BRD susceptibility. *Animal Health Research Reviews*, doi:10.1017/S1466252314000231.

7. BOOK CHAPTERS

1. **Van Eenennaam**, A.L. 2010. DNA-based Technologies. Chapter in *Beef Sire Selection Manual*, National Beef Cattle Evaluation Consortium (NBCEC)
2. Spangler, M., and A.L. **Van Eenennaam**, 2010. Utilizing Molecular Information. Chapter in *Beef Cattle Sire Selection Manual*, National Beef Cattle Evaluation Consortium (NBCEC)
3. **Van Eenennaam**, A.L. and W.M. Muir. 2012. Animal biotechnologies and agricultural sustainability. Chapter 6 in “*The Role of Biotechnology in a Sustainable Food Supply*.” Cambridge University Press.
4. **Van Eenennaam**, A.L. 2013. Considerations related to breed and biological type. Chapter 3 in “*Management considerations in beef heifer development and puberty*”. D. J. Patterson and M. F. Smith (Eds). *Veterinary Clinics of North America: Food Animal Practice*. 29: 493–516.
5. **Van Eenennaam**, A.L. 2014. Genetics and sustainable animal agriculture. Chapter 3 *pages 53 – 66*. in “*Sustainable Animal Agriculture*” E. Kebreab (ed.) CABI Publishing.
6. **Van Eenennaam**, A.L., and A. Bruce. 2014. Regulatory Issues Associated with Genetically Engineered Farmed Animals" Chapter 10 in “*Genetically Modified Animals*”. H. Sang (ed.) John Wiley & Sons, Inc. *In press*
7. Hallerman, E.M., A. L. **Van Eenennaam**, and W. M. Muir. 2014. Genetic modification in aquaculture (fishes, crustaceans, and mollusks) Chapter 6 in “*Genetically Modified Animals*”. H. Sang (ed.) John Wiley & Sons, Inc. *In press*
8. **Van Eenennaam**, A.L. 2015. Animal Biotechnology: scientific, regulatory and public acceptance issues associated with cloned and genetically engineered animals. Chapter 28 in “*Molecular and Quantitative Animal Genetics*” H. Khatib (ed.) *In press*.

**Committee on Energy and Commerce
U.S. House of Representatives**

Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)

1. Your Name: Dr. Alison Louise Van Eenennaam		
2. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No XX
3. Are you testifying on behalf of an entity that is not a government entity?	Yes	No XX
4. Other than yourself, please list which entity or entities you are representing:		
<p><u>Please list any Federal grants or contracts (including subgrants or subcontracts) that you or the entity you represent have received on or after October 1, 2011:</u></p> <p>New Approaches to Bovine Respiratory Disease Prevention, Management, and Diagnosis Conference Grant. USDA National Institute of Food and Agriculture Competitive Grant no. 2013--01236. 9/30/2013–12/31/2014. <u>\$10,000</u>. A. L. Van Eenennaam (PD).</p> <p>Identification and management of alleles impairing heifer fertility while optimizing genetic gain in Angus cattle USDA National Institute of Food and Agriculture Competitive Grant. 2013-68004-20364. 1/1/13–12/31/17. Dave Patterson, University of Missouri (PD). A L. Van Eenennaam (Co-PD) Subcontract: <u>\$344,382</u></p> <p>Integrated program for reducing bovine respiratory disease complex in beef and dairy cattle. USDA National Institute of Food and Agriculture Competitive Grant no. 2011-68004-30367. 4/15/2011–4/15/2016. Jim Womack, Texas A&M (PD). A. L. Van Eenennaam (Co-PD). Subcontract: <u>\$2,604,449</u></p> <p>Integrating DNA information into beef cattle production systems. USDA-NRI Animal Genome Integrated Grant 1/1/2009-12/31/2013 <u>\$550,000</u> A. L. Van Eenennaam (PD)</p>		
5. If your answer to the question in item 3 in this form is “yes,” please describe your position or representational capacity with the entity or entities you are representing:		
6. If your answer to the question in item 3 is “yes,” do any of the entities disclosed in item 4 have parent organizations, subsidiaries, or partnerships that you are not representing in your testimony?	Yes	No
7. If the answer to the question in item 3 is “yes,” please list any Federal grants or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2011, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed:		
8. Please attach your curriculum vitae to your completed disclosure form.		

Signature:



ate: 12/6/2014