

## **CURRICULUM VITAE**

### **NAME**

Pinedo, Pablo J

### **ADDRESS**

Animal Sciences  
College of Agricultural Sciences

Animal Sciences

### **PHONE**

(970) 491-8300

### **EDUCATION**

2011 Residency in Food Animal Reproduction And Medicine, University of Florida (College of Veterinary Medicine)

2008 Ph D, University of Florida (College of Veterinary Medicine)

1993 DVM, University of Chile

### **ACADEMIC POSITIONS**

August 1, 2011 - August 31, 2015 Assistant Professor, Texas A&M University - Texas A&M AgriLife Research - College of Veterinary Medicine.

August 1, 2009 - July 31, 2011 Food Animals Reproduction and Medicine Resident, University of Florida College of Veterinary Medicine.

August 1, 2008 - July 31, 2009 Postdoctoral associate, University of Florida Department of Animal Sciences.

### **PUBLISHED WORKS**

#### **Books**

Pinedo, P. (2016). *Tuberculosis. Encyclopedia of Agriculture and Food Systems*. Elsevier Science.

#### **Refereed Journal Articles**

Romano, J. E., Bryan, K., Ramos, R. S., Velez, J., Pinedo, P. J. (2016). Effect of early pregnancy diagnosis by per rectum amniotic sac palpation on pregnancy loss, calving rates, and abnormalities in newborn dairy calves. *Theriogenology*, 85(3), 419–427.

Peña, G., Risco, C., Kunihiro, E., Thatcher, M. J., Pinedo, P. J. (2016). Effect of housing type on health and performance of preweaned dairy calves during summer in Florida. *Journal of dairy science*, 99(2), 1655-62.

Pinedo, P. J., Velez, J. S., Bothe, H., Merchan, D., Piñeiro, J. M., Risco, C. A. (2015). Effect of intrauterine infusion of an organic-certified product on uterine health, survival, and fertility of dairy cows with toxic puerperal metritis. *Journal of dairy science*, 98(5), 3120-32.

Sims, L. J., Pinedo, P. J., Donovan, G. A. (2015). Health and performance of calves fed fresh colostrum from

their dams compared to those fed stored colostrum from non-dams. *Bovine Practitioner*.

- Vercouteren, M. M., Bittar, J. H., Pinedo, P. J., Risco, C. A., Santos, J. E., Vieira-Neto, A., Galvão, K. N. (2015). Factors associated with early cyclicity in postpartum dairy cows. *Journal of dairy science*, 98(1), 229-39.
- Khol, J. L., Pinedo, P. J., Buergelt, C. D., Neumann, L. M., Rae, D. O. (2014). Lymphatic fluid for the detection of *Mycobacterium avium* subsp. *paratuberculosis* in cows by PCR, compared to fecal sampling and detection of antibodies in blood and milk. *Veterinary microbiology*, 172(1-2), 301-8.
- Wang, X., Gautam, R., Pinedo, P. J., Allen, L. J., Ivanek, R. (2014). A stochastic model for transmission, extinction and outbreak of *Escherichia coli* O157:H7 in cattle as affected by ambient temperature and cleaning practices. *Journal of mathematical biology*, 69(2), 501-32.
- Pinedo, P. J., Daniels, A. B., Shumaker, J., De Vries, A. (2014). Dynamics of culling for Jersey, Holstein, and Jersey × Holstein crossbred cows in large multibreed dairy herds. *Journal of dairy science*, 97(5), 2886-95.
- Bittar, J. H., Pinedo, P. J., Risco, C. A., Santos, J. E., Thatcher, W. W., Hencken, K. E., Croyle, S., Gobikrushanth, M., Barbosa, C. C., Vieira-Neto, A., Galvão, K. N. (2014). Inducing ovulation early postpartum influences uterine health and fertility in dairy cows. *Journal of dairy science*, 97(6), 3558-69.
- Pinedo, P. J., Karreman, H., Bothe, H., Velez, J., Risco, C. (2013). Efficacy of a botanical preparation for the intramammary treatment of clinical mastitis on an organic dairy farm. *The Canadian Veterinary Journal*, 54(5), 479.
- Gautam, R., Pinedo, P. J., Park, S., Ivanek, R. (2013). The distribution of drinking water-to-cattle ratios in the summer across four feedlots in the Texas High Plains. *Agricultural Sciences*, 4(06), 282.
- Richeson, J. T., Pinedo, P. J., Kegley, E. B., Powell, J. G., Gadberry, M. S., Beck, P. A., Falkenberg, S. M. (2013). Association of hematologic variables and castration status at the time of arrival at a research facility with the risk of bovine respiratory disease in beef calves. *Journal of the American Veterinary Medical Association*, 243(7), 1035-41.
- Pinedo, P. J., Galvão, K. N., Seabury, C. M. (2013). Innate immune gene variation and differential susceptibility to uterine diseases in Holstein cows. *Theriogenology*, 80(4), 384-90.
- Buttrey, E. K., Jenkins, K. H., Lewis, J., Smith, S. B., Miller, R. K., Lawrence, T. E., McCollum, 3rd, F. T., Pinedo, P. J., Cole, N. A., MacDonald, J. C. (2013). Effects of 35% corn wet distillers grains plus solubles in steam-flaked and dry-rolled corn-based finishing diets on animal performance, carcass characteristics, beef fatty acid composition, and sensory attributes. *Journal of animal science*, 91(4), 1850-65.
- Pinedo, P. J., Fleming, C., Risco, C. A. (2012). Events occurring during the previous lactation, the dry period, and peripartum as risk factors for early lactation mastitis in cows receiving 2 different intramammary dry cow therapies. *Journal of dairy science*, 95(12), 7015-26.
- Khol, J. L., Pinedo, P. J., Buergelt, C. D., Neumann, L. M., Baumgartner, W., Rae, D. O. (2012). The collection of lymphatic fluid from the bovine udder and its use for the detection of *Mycobacterium avium* subsp. *paratuberculosis* in the cow. *Journal of veterinary diagnostic investigation : official publication of the American Association of Veterinary Laboratory Diagnosticians, Inc*, 24(1), 23-31.
- Pinedo, P. J., Risco, C., Melendez, P. (2011). A retrospective study on the association between different lengths of the dry period and subclinical mastitis, milk yield, reproductive performance, and culling in Chilean dairy cows. *Journal of dairy science*, 94(1), 106-115.
- Pinedo, P., Melendez, P., others (2010). Temporal patterns of bulk tank somatic cell count, fat, protein, and urea

nitrogen and their association with fertility in Central-Southern Chilean dairy cattle. *Archivos de Medicina Veterinaria*, 42(1), 41–48.

Pinedo, P. J., De Vries, A., Webb, D. W. (2010). Dynamics of culling risk with disposal codes reported by Dairy Herd Improvement dairy herds. *Journal of dairy science*, 93(5), 2250-61.

Pinedo, P. J., De Vries, A. (2010). Effect of days to conception in the previous lactation on the risk of death and live culling around calving. *Journal of dairy science*, 93(3), 968-77.

De Vries, A., Olson, J. D., Pinedo, P. J. (2010). Reproductive risk factors for culling and productive life in large dairy herds in the eastern United States between 2001 and 2006. *Journal of dairy science*, 93(2), 613-23.

Pinedo, P. J., Buergelt, C. D., Donovan, G. A., Melendez, P., Morel, L., Wu, R., Langae, T. Y., Rae, D. O. (2009). Candidate gene polymorphisms (BoIFNG, TLR4, SLC11A1) as risk factors for paratuberculosis infection in cattle. *Preventive veterinary medicine*, 91(2-4), 189-96.

Pinedo, P. J., Melendez, P., Villagomez-Cortes, J. A., Risco, C. A. (2009). Effect of high somatic cell counts on reproductive performance of Chilean dairy cattle. *Journal of dairy science*, 92(4), 1575-80.

Pinedo, P. J., Buergelt, C. D., Donovan, G. A., Melendez, P., Morel, L., Wu, R., Langae, T. Y., Rae, D. O. (2009). Association between CARD15/NOD2 gene polymorphisms and paratuberculosis infection in cattle. *Veterinary microbiology*, 134(3-4), 346-52.

Pinedo, P. J., Wang, C., Li, Y., Rae, D. O., Wu, R. (2009). Risk haplotype analysis for bovine paratuberculosis. *Mammalian genome : official journal of the International Mammalian Genome Society*, 20(2), 124-9.

Pinedo, P. J., Williams, J. E., Monif, G. R., Rae, D. O., Buergelt, C. D. (2008). Mycobacterium paratuberculosis shedding into milk: association of ELISA seroreactivity with DNA detection in milk. *International Journal of Applied Research in Veterinary Medicine*, 6(2), 137–144.

Pinedo, P. J., Rae, D. O., Williams, J. E., Donovan, G. A., Melendez, P., Buergelt, C. D. (2008). Association among results of serum ELISA, faecal culture and nested PCR on milk, blood and faeces for the detection of paratuberculosis in dairy cows. *Transboundary and emerging diseases*, 55(2), 125-33.

Melendez, P., Pinedo, P. J. (2007). The association between reproductive performance and milk yield in Chilean Holstein cattle. *Journal of dairy science*, 90(1), 184–192.

Buergelt, C. D., Williams, E., Monif, G. R., Pinedo, P. J., Decker, J. H. (2006). Nested polymerase chain reaction and prenatal detection of Mycobacterium avium subspecies paratuberculosis (MAP) in bovine allantoic fluid and fetuses. *International Journal of Applied Research in Veterinary Medicine*, 4(3), 232.

### **Non-Refereed Journal Articles**

Pinedo, P., Rosa, G., Thatcher, W., Santos, J. Genomic Selection for Improved Fertility of Dairy Cows.

Pinedo, P. Serie: Archivos de Medicina Veterinaria-Chile.

Pedraza, C. G., Mansilla, A. M., Merucci, F. D., Pinedo, P. J., Contreras, H. C. Urea milk contents in dairy cows of Bío-Bío Region, Chile. *Agricultura Técnica*, 66(3), 264–270.

Pinedo, P. J. (2016). Periparturition rumination dynamics and health status in cows calving in hot and cool seasons. *Journal of Dairy Science*.

Pinedo, P. J. (2016). Association between disease occurrence and fertility of dairy cows in three geographic regions

of Chile. *Therigenology*.

Melendez, P., Pinedo, P. (2014). Effect of dry beet pulp on milk yield and milk composition in Chilean Holstein cows. *Journal of Applied Animal Research*(ahead-of-print), 1–5.

Richeson, J., Pinedo, P. J., Kegley, E., Powell, J. (2013). Association between hematological parameters and gender upon arrival with clinical bovine respiratory disease risk in newly received beef calves. *Journal of the American Veterinary Medical Association*.

Pinedo, P. J. (2011). Applied Statistical Analyses for Dairy Production. *Dairy Production Medicine*, 263–270.

Pedraza, C., Mansilla, A., Merucci, F., Pinedo, P. J., Contreras, H. (2006). Niveles de urea láctea en vacas de la región del Bío-bío, Chile. *Agricultura técnica*, 66(3), 264–270.

Carlos Pedraza, G., Alberto Mansilla, M., Fabio Merucci, D., Pinedo, P. J., Horacio Contreras, C. (2006). Urea milk contents in dairy cows of Bio-Bio Region, Chile. *AGRICULTURA TECNICA*, 66(3), 264.

### **Non-Refereed Proceedings or Transactions**

Pinedo, P. J. (2014). Effect of an Organic Certified Treatment (Optimum Uterflush®) for Toxic Puerperal Metritis on Cure and Reproductive Performance of Dairy Cows. *2014 ADSA-ASAS-CSAS Joint Annual Meeting*.

Pinedo, P. J. (2014). Variation in Toll-like Receptor Genes and Susceptibility to Clinical Mastitis in Holstein cows. *2014 ADSA-ASAS-CSAS Joint Annual Meeting*.

Pinedo, P., Buergelt, C., Wu, R., Donovan, G., Williams, J., Rae, D., Smith, R., others (2007). Genetic resistance to Johne's disease in four cattle breeds: a candidate gene case control study, preliminary results. *Proceedings of the Fortieth Annual Conference, American Association of Bovine Practitioners, Vancouver, British Columbia, Canada, 20-22 September, 2007..*

### **Manuscript**

Kirchman, S., Pinedo, P., Maunsell, F., Risco, C., Donovan, G. (in press). *Milk components as biological markers for detection of rumen indigestion in dairy cows*. Journal of the American Veterinary Medical Association.

Melendez, P., Pinedo, P., Bastias, J., Marin, M., Rios, C., Bustamente, C., Adaro, N., Duchens, M. (2016). *The association between serum  $\beta$ -hydroxybutyrate and milk fatty acid profile with special emphasis on conjugated linoleic acid in postpartum Holstein cows*. BMC Veterinary Research.

Mamber, S., Lins, J., Gurel, V., Pinedo, P., Bechtol, D., Krakowka, S., Fields-Henderson, R., Cummins, J. (2016). *Low-dose oral interferon modulates expression of inflammation and autoimmune genes in cattle*. Immunopathology Journal.

### **Ph.D. Thesis**

Pinedo, P. J. (2008). *Diagnostic tools and genetic susceptibility factors associated with bovine paratuberculosis infection*. UNIVERSITY OF FLORIDA.

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

2016, "Associations between Multiple Activity and Physiological Parameters around the Time of Disease Diagnosis in Holstein Cows", ADSA-ASAS Joint Annual Meeting, ADSA-ASAS, peer-reviewed/refereed.

- 2016, "Determination of micotoxins in dairy feedstuffs typically used in Chile", ADSA-ASAS Joint Annual Meeting, ADSA-ASAS, peer-reviewed/refereed.
- 2016, "Evaluating Milk Fat to Protein Ratio and Milk Fat to Lactose Ratio as Indicators for Early Lactation Disease", ADSA-ASAS Joint Annual Meeting, ADSA-ASAS, peer-reviewed/refereed.
- 2016, "Administration of oral calcium in cows diagnosed with toxic puerperal metritis: Cure and subsequent incidence of periparturient health disorders", World Buiatric Congress, Ireland, peer-reviewed/refereed.
- 2016, "Comparison between techniques by per rectal palpation for pregnancy diagnosis on pregnancy loss, calving rates and abnormalities in newborn calves", World Buiatric Congress, Ireland, peer-reviewed/refereed.
- 2016, "Dynamics of pregnancy loss in Jersey, Holstein, and Jersey x Holstein crossbred cows in large multibreed dairy herds", World Buiatric Congress, Ireland, peer-reviewed/refereed.
- 2016, "Effect of *Saccharomyces cerevisiae* and mannaoligosaccharides on average daily gain and health in Holstein calves under Chilean conditions", World Buiatric Congress, Ireland, peer-reviewed/refereed.
- 2016, "Milk fatty acid profile with especial emphasis on Conjugated Linoleic Acid in bulk tank milk from Chilean farms with high and low levels of grazing", World Buiatric Congress, Ireland, peer-reviewed/refereed.
- May 2016, "An Overview of Paratuberculosis Infection: From Mycobacteria to Dairy Populations", Large Dairy Herd Management Conference, ADSA, peer-reviewed/refereed.
- 2015, "Dynamics of culling for Jersey, Holstein, and crossbred cows in large multi-breed herds", 2014 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2015, "Association between health and fertility and survival of high producing dairy cows in three geographic regions of Chile", 2015 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2015, "Early lactation disease incidence in Holstein cows across multiple US regions.", 2015 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2015, "Effect of conception season on offspring fertility, milk yield, and survival.", 2015 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2015, "Effect of gluconeogenic precursors on blood metabolites and milk yield in Chilean transition Holstein cattle", 2015 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2015, "Relationship between left displacement of the abomasum and daily milk yield in high-producing Chilean dairy farms.", 2015 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2015, "Association of rumination time with non-esterified fatty acid, beta-hydroxybutyrate and serum calcium concentrations in transition dairy cows", 2015 American Association of Bovine Practitioners Annual Conference, peer-reviewed/refereed.
- 2015, "Behavior variables of feedlot cattle clinically diagnosed with bovine respiratory disease versus case control.", 2015 Association of Bovine Practitioners Annual Conference, peer-reviewed/refereed.
- 2015, "Improving Fertility of Dairy Cows through Genomic Selection", Dairy Cattle Reproduction Council Annual Meeting, Buffalo, NY., Dairy Cattle Reproduction Council, (Presenter) Santos, J. E.

- 2014, "Effect of an Organic Certified Treatment (Optimum Uterflush®) for Toxic Puerperal Metritis on Cure and Reproductive Performance of Dairy Cows", 2014 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2014, "Variation in Toll-like Receptor Genes and Susceptibility to Clinical Mastitis in Holstein cows", 2014 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2014, "Genomic Selection for Improved Fertility of Dairy Cows.", 2014 Dairy Cattle Reproduction Council Annual Meeting,
- 2013, "Milk components as predictors for ruminal indigestion/acidosis in lactating dairy cows", 2013 ADSA-ASAS Joint Annual Meeting, peer-reviewed/refereed.
- 2013, "Events occurring during the previous lactation, the dry period, and peripartum as risk factors for early lactation mastitis in cows receiving 2 different intramammary dry cow therapies", 2013 Annual Conference of the American Association of Bovine Practitioners, peer-reviewed/refereed.
- 2013, "Genomic variation in innate immunity and susceptibility to uterine diseases in Holstein cows", 2013 Annual Conference of the American Association of Bovine Practitioners, peer-reviewed/refereed.
- 2012, "Association between dry period length, bacterial culture, and SCC at dry-off and incidence of early lactation mastitis in cows receiving Ceftiofur or Penicillin Dihydrostreptomycin as dry therapy", XXVII World Buiatric Congress, peer-reviewed/refereed.
- 2012, "Lymphatic vessel puncture at the bovine udder: feasibility and detection of Mycobacterium avium subsp. paratuberculosis in the lymphatic fluid by PCR", XXVII World Buiatric Congress, peer-reviewed/refereed.
- 2010, "Association between length of dry period and subclinical mastitis, milk yield, reproductive performance, and culling during the subsequent lactation of Chilean dairy cows", XXVI World Buiatric Congress, peer-reviewed/refereed.
- 2009, "Effect of high somatic cell counts on reproductive performance of Chilean dairy cattle", 2009 Annual Convention of the American Association of Bovine Practitioners, peer-reviewed/refereed.
- 2009, "Effect of days open in the previous lactation on the risk of culling or death around calving", 2009 Annual Meeting of the American Dairy Science Association, peer-reviewed/refereed.
- 2007, "Genetic Resistance to Johne's Disease in Four Cattle Breeds: A Candidate Gene Case Control Study", 2007 Annual Conference of the American Association of Bovine Practitioners, peer-reviewed/refereed.
- 2006, "Analysis of the Association Between ELISA and Nested PCR on Blood and Milk for Mycobacterium avium subsp. paratuberculosis detection in Holstein Cows", 2006 Annual Conference of the American Association of Bovine Practitioners, peer-reviewed/refereed.

## TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Fall	ANEQ310 - Animal Reproduction	3	38
2016	Fall	ANEQ510 - Bovine Reproduction Management	4	44
2016	Fall	ANEQ510 - Bovine Reproduction Management-Lab	0	17
2016	Fall	ANEQ510 - Bovine Reproduction Management-Lab	0	27
2016	Fall	ANEQ799 - Dissertation	18	11
2016	Fall	ANEQ313 - Prevention and Control of Livestock Diseases	3	30

2016	Fall	VS313 - Prevention and Control of Livestock Diseases	3	19
2016	Fall	ANEQ784 - Supervised College Teaching	18	34
2016	Fall	ANEQ699 - Thesis	18	9
2016	Spring	ANEQ799 - Dissertation	18	11
2015	Fall	ANEQ510 - Bovine Reproduction Management	4	40
2015	Fall	ANEQ510 - Bovine Reproduction Management-Lab	0	20
2015	Fall	ANEQ510 - Bovine Reproduction Management-Lab	0	20

**Guest Lectures:**

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Fall	ANEQ473 - Dairy Systems	1	Face to Face

**EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS**

**Presentation**

Use of an Organic Certified Treatment for Toxic Puerperal Metritis: Evaluation on Cure and Reproductive Performance. Adult. Percent Responsible: 100%. 2nd Quarter 2015.

**PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

Dairy Cattle Reproduction Council Annual Meeting. (December 1, 2015 - Present).

American Dairy Science Association. (July 1, 2012 - Present).

American Association of Bovine Practitioners. (August 1, 2009 - Present).

Committee Member, Dairy Cattle Reproduction Council Education Committee. (December 15, 2015 - Present).

Reviewer, Grant Proposal, Animal Production and Protection review panel (USDA). (2014 - Present).

Reviewer, Journal Article, BMC Genetics. (2012 - Present).

Reviewer, Journal Article, The Bovine Practitioner. (2012 - Present).

Reviewer, Journal Article, Journal of Dairy Science. (2011 - Present).

Reviewer, Journal Article, Research in Veterinary Science. (2011 - Present).

Reviewer, Journal Article, Veterinary Immunology and Immunopathology. (2011 - Present).

Committee Member, IACUC Review Committee West Texas A&M University. (August 2013 - August 2015).

\*\*\*\*\*