

Juan Manuel Piñeiro, DVM, MS

PhD Student, Department of Veterinary Preventive Medicine
The Ohio State University

HOME

437 E. Northwood Ave Apt "C",
Columbus OH, 43201
Phone: (614) 441-6028
E-mail: jmpineiro7@gmail.com

OFFICE

A100P Sisson Hall,
1920 Coffey Rd,
Columbus OH, 43210
E-mail: pineiro.10@osu.edu

EDUCATION

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| 08/2016-Present | PhD student – Department of Veterinary Preventive Medicine, The Ohio State University, Columbus, OH.
Candidacy Examination: November, 2017.
Expected graduation: July, 2018. |
| 08/2014-08/2016 | Master of Science – Department of Veterinary Preventive Medicine, The Ohio State University, Columbus, OH. |
| 02/2006-07/2012 | Veterinary Medic (DVM equivalent) - University of La Plata, Faculty of Veterinarian Sciences, Buenos Aires, Argentina. |
| 03/2001-12/2005 | High School Diploma, Bilingual in Science and Linguistics, Instituto Modelo Viedma, Viedma, Rio Negro, Argentina. |

INTERNSHIPS & WORKING EXPERIENCES

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| 08/2016-Present | Graduate Research Associate – PhD program. Department of Veterinary Preventive Medicine, The Ohio State University, Columbus, OH. |
| 08/2014-08/2016 | Graduate Research Associate – MS program. Department of Veterinary Preventive Medicine, The Ohio State University, Columbus, OH. |
| 01/2013-01/2014 | Internship – Aurora Organic Dairy, Texas and Colorado, USA. Ohio Internship Program, The Ohio State University, Columbus, OH, USA. |
| 11/2011-12/2011 | Externship – CIIADO (Western Artificial Insemination Center), Darregueira, Argentina. University of La Plata, Faculty of Veterinary Sciences, Argentina. |
| 08/2011-11/2011 | Internship – "EL CACHAPÉ" Beef cattle ranch. University of La Plata, Faculty of Veterinary Sciences, Argentina. |

07/2011-08/2011	Externship - Prevalence of subclinical endometritis in repeat Breeders of dairy cows (Dr. Maria Jaureguiberry, Doctoral Dissertation). University of La Plata, Faculty of Veterinary Sciences, Argentina.
04/2011-06/2011	Externship - Superovulation and embryo transfer in a mobile laboratory. University of La Plata, Faculty of Veterinary Sciences, Argentina.

TEACHING EXPERIENCE

08/2015-Present	Veterinary Early Commitment Program, The Ohio State University, Columbus, OH (Mentored and trained 4 undergraduate students).
08/2014-Present	Dairy personnel training, Dairy Personnel School. OSU Veterinary Extension, Columbus, OH.
01/16/2016	Zoetis-Ohio State Food Animal Medicine Student Symposium. Taught best calving management practices, including hands-on demonstration on dystocia management (approx. 30 veterinary students). College of Veterinary Medicine, The Ohio State University, Columbus, OH.
01/2017-Present	VETPREV 7774 - Bovine Theriogenology. Taught veterinary and graduate students about transition cow management with emphasis on reproductive performance of lactating dairy cows.

PEER-REVIEWED PUBLICATIONS

1. Pinedo, P. J., J. S. Velez, H. Bothe, D. Merchan, **J. M. Piñeiro**, and C. A. Risco. 2015. Effect of intrauterine infusion of an organic certified product on uterine health, survival, and fertility of dairy cows with toxic puerperal metritis. *J. Dairy Sci.* 98:3120–3132.
2. Habing, G., K. Harris, G. M. Schuenemann, **J. M. Piñeiro**, J. Lakritz, and X. Alcaraz Clavijo. 2017. Lactoferrin reduces mortality in preweaned calves with diarrhea. *J. Dairy Sci.* 100:3940-3948.
3. Barragan, A.A., S. Bas, **J. M. Piñeiro**, G. M. Schuenemann, P. Rajala-Schultz, and D. Sanders. 2017. Assessment of biomarkers of pain and daily activity patterns in lactating dairy cows diagnosed with clinical metritis (In preparation).
4. **Piñeiro, J.M.**, M.G. Maquivar, A.A. Barragan, J.S. Velez, H. Bothe, and G.M. Schuenemann. 2017. Effects of postpartum uterine diseases on milk yield, milk components, and culling in dairy cows under certified organic management. (In preparation).
5. Barragan, A.A., **J.M. Piñeiro**, G.M. Schuenemann, P.J. Rajala-Schultz, D.E. Sanders, J. Lakritz, and S. Bas. 2017. Assessment of daily activity patterns and biomarkers of

pain, inflammation and stress in lactating dairy cows diagnosed with clinical metritis. J. Dairy Sci. (Under Revision).

SCIENTIFIC ABSTRACTS & PROCEEDINGS

1. **Piñeiro, J.M.**, M.G. Maquivar, A.A. Barragan, J.S. Velez, H. Bothe, and G.M. Schuenemann. 2015. Effects of postpartum uterine diseases on milk yield, milk components, and culling in dairy cows under certified organic management. J. Dairy Sci. 98:316.
2. Bas, S., A.A. Barragan, **J.M. Piñeiro**, G.M. Schuenemann, P.J. Rajala-Schultz, and T.A. Brick. 2015. Assessment of daily activity patterns in lactating dairy cows diagnosed with metritis. J. Dairy Sci. 98:362.
3. Schuenemann, G.M., **J.M. Piñeiro**, A.A. Barragan, S. Bas, and J.D. Workman. 2015. Assessment of calving personnel performance and stillbirth in dairy herds. J. Dairy Sci. 98:500.
4. Schuenemann, G.M., M.G. Maquivar, A. Hunter, A.A. Barragan, **J.M. Piñeiro**, J.S. Velez, H. Bothe, and S. Bas. 2015. Managing transition cows and reproduction in certified organic dairy herds. J. Dairy Sci. 98:733.
5. Barragan, A.A., S. Bas, **J.M. Piñeiro**, G.M. Schuenemann, P. Rajala-Schultz, and D. Sanders. 2016. Assessment of biomarkers of pain and daily activity patterns in lactating dairy cows diagnosed with clinical metritis. J. Dairy Sci. 99:33.
6. Schuenemann, G.M., **J.M. Piñeiro**, P. Turiello. 2016. Association between management practices and reproductive performance of lactating dairy cows". J. Dairy Sci. 99:600.
7. Turiello, P., **J.M. Piñeiro**, and G.M. Schuenemann. 2016. Association between management practices and dairy herd performance". J. Dairy Sci. 99:600.
8. Schuenemann, G.M., and **J.M. Piñeiro**. 2016. El mejor manejo de vacas en transición. XXIV ENGALEC Conference 2016, Torreón, Coahuila, México.
9. Bas S., A.A. Barragan, **J.M. Piñeiro**, B.T. Menichetti, and G.M. 2017. Schuenemann. Effect of the intrauterine dextrose infusion at non-pregnancy diagnosis on fertility of lactating dairy cows. J. Dairy Sci. 100:78
10. Menichetti B.T., **J.M. Piñeiro**, A.A. Barragan, A. Relling, S. Bas, and G.M. Schuenemann. 2017. Effect of prepartum behavioral activity on stillbirth in transition dairy heifers and cows. J. Dairy Sci. 100:28
11. **Piñeiro J.M.**, B.T. Menichetti, A.A. Barragan, W.P. Weiss, S. Bas, and G.M. Schuenemann. 2017. Effect of ketosis on behavioral activity in transition dairy cows. J. Dairy Sci. 100:28.
12. **Piñeiro J.M.**, T.B. Menichetti, A.A. Barragan, W.P. Weiss, S. Bas, and G.M. Schuenemann. 2017. Effect of lameness on behavioral activity in transition dairy cows. J. Dairy Sci. 100:30.
13. Schuenemann G.M., J.D. Workman, **J.M. Piñeiro**, B.T. Menichetti, A.A. Barragan, and S. Bas. 2017. The fact and fiction about dairy personnel training and performance. J. Dairy Sci. 100:207.

WORKSHOPS & CONFERENCES ATTENDED

1. ADSA/ASAS Joint Annual Meeting. July 8-12, 2013. Indianapolis, IN, USA.

2. Ohio Dairy Health and Management Certificate Program (module 3). Dec 4-6, 2014. Columbus, OH.
3. Ohio Dairy Health and Management Certificate Program (module 4). Mar 19-21, 2015. Columbus, OH.
4. ADSA/ASAS Joint Annual Meeting. July 12-16, 2015. Orlando, FL. Poster presentation.
5. International Dairy Certificate Program. August 3-7, 2015. Columbus, OH.
6. Dairy Cattle Reproduction Council Annual Meeting. November 11-13, 2015. Buffalo, NY.
7. Ohio Dairy Health and Management Certificate Program (module 6). Dec 3-5, 2015. Columbus, OH.
8. Ohio Dairy Health and Management Certificate Program (module 7). Mar 10-11, 2016. Columbus, OH.
9. Dairy Cattle Welfare Council 1st Symposium. May 20-21, 2016. Columbus, OH.
10. ADSA/ASAS Joint Annual Meeting. July 19-23, 2016. Salt Lake City, UT. Poster presentation.
11. International Dairy Certificate Program. August 1-5, 2016. Columbus, OH.
12. Ohio Dairy Health and Management Certificate Program (module 8). Aug 25-26, 2016. Columbus, OH.
13. Ohio Dairy Veterinarians Meeting. January 6, 2017. Columbus, OH.
14. Dairy Cattle Welfare Council 2nd Symposium. June 1-3, 2017. Milwaukee, WI.
15. Ohio Dairy Health and Management Certificate Program (module 9). Feb 2-3, 2017. Columbus, OH.
16. Ohio Dairy Health and Management Certificate Program (module 10). May 4-5, 2017. Columbus, OH.
17. ADSA Annual Meeting. June 25-28, 2015. Salt Lake City, UT. Poster presentation.
18. International Dairy Certificate Program. July 31 - Aug 4, 2017. Columbus, OH.
19. Ohio Dairy Health and Management Certificate Program (module 11). Aug 17-18, 2017. Columbus, OH.

RELEVANT CLINICAL & RESEARCH SKILLS

1. Analyses of computer dairy herd records (e.g., DC305, PCDART) to assess and trouble-shoot problems in dairy herds.
2. Computer software: SAS (Statistics) and Microsoft Office.
3. Assessment (ranking of priorities) and trouble-shooting of farm performance through integration of management practices, personnel and animal records.
4. Training dairy personnel (e.g., milking routine, health screening, handling downer cows, handling and moving animals).
5. Laboratory skills: hemograms, serum analysis (BHB), ELISA, mastitis screening (milk culture and bacteriology).
6. General clinical examination of dairy cows and calves, including treatment of transition cows under conventional and certified organic management.
7. Performing necropsies and writing reports.
8. Estrus detection, synchronization protocols and Artificial Insemination.
9. Breeding soundness examination and criteria to initiate breeding program (estrus synchronization and AI) in replacement heifers.
10. Calving and colostrum, including managing dystocia and calf care.

11. Diagnosis of pregnancy, assessment of uterine diseases in post-partum cows, and ovarian structures via rectal palpation and ultrasonography.
12. Cytobrush technique to obtain an endometrial cytology sample to assess subclinical endometritis by determining the percent of neutrophils over the endometrial cells under light microscopy.
13. Newborn calf management: navel disinfection, identification, castration of males, medical treatment of neonatal diarrhea.
14. Development of written health and management protocols.

AWARDS and CERTIFICATIONS

1. Award: Scholarship to support and complete graduate program (Master of Science and PhD) at The Ohio State University. Approximately \$200,000.
2. Certificate: 2017 Ohio Dairy Cattle Health and Management Certificate Program.

PROFESIONAL MEMBERSHIPS

American Dairy Science Association
Dairy Cattle Reproduction Council
Dairy Cattle Welfare Council