ACHILLES VIEIRA NETO

Assistant Professor
Dairy Cattle Nutrition
Department of Animal Sciences and Industry
Kansas State University
131 Call Hall, Manhattan, Kansas 66506
Cell: (352) 213-1683
vieiraneto@ksu.edu

EDUCATION EXPERIENCE

- **Doctor of Philosophy – PhD in Animal Molecular and Cellular Biology** (2016-2020)
  Dissertation: Mineral metabolism in transition dairy cows: the role of acid-base status and vitamin D metabolites
  Academic advisor: Dr. José Eduardo P. Santos
  Department of Animal Sciences, University of Florida, Gainesville, FL, USA
  Expected graduation date: May 2020
- **Master of Sciences – MS in Animal Molecular and Cellular Biology** (2014-2016)
  Thesis: Effects of calcitriol on Ca metabolism and immune function in dairy cows and the interrelation between gestation length and performance of Holstein cows and their offspring
  Academic advisor: Dr. José Eduardo P. Santos
  Department of Animal Sciences, University of Florida, Gainesville, FL, USA
- **Doctor of Veterinary Medicine – DVM** (2008-2014)
  Santa Catarina State University, Lages, SC, Brazil

WORK EXPERIENCE

- **Assistant Professor – Dairy Cattle Nutrition** (January 2021 – present)
  Department of Animal Sciences and Industry, Manhattan, KS – Kansas State University
- **Research Assistant Professor – Dairy Health & Nutrition** (June 2020 – January 2021)
  Department of Veterinary Sciences and School of Veterinary Medicine, Lubbock, TX – Texas Tech University
- **Research Assistant – Food Animal and Reproductive Medicine Service** (2012-2013)
  Department of Large Animal and Clinical Sciences – College of Veterinary Medicine, Gainesville, FL – University of Florida
  Academic advisor: Dr. Klibs Galvão

AREAS OF INTEREST

- The underlying mechanisms of how nutrition during the periparturient period improves mineral metabolism and animal health/productivity
- The endocrine regulation of mineral metabolism through parathyroid hormone and vitamin D pathway

- The link between nutritional interventions and tissue and whole animal energy metabolism
- The nutritional implications to immune function during the peripartum period

CAREER GOALS

- Develop an innovative and collaborative research program to better understand the physiology underlying absorption and regulation of nutrients and their metabolism during the transition period in dairy cattle
- Capture the gaps in applied dairy nutrition to provide producers novel knowledge through extension programs to improve animal health, performance and profitability
- Instruct undergraduate and graduate students to develop clinical skills and critical thinking and the ability to integrate the complex concepts in dairy cattle nutrition and production medicine to improve health, sustainability, and productivity of dairy farms

LANGUAGE SKILLS

- **English** – fluent, second language
- **Portuguese** – fluent, mother tongue
- **Spanish** - intermediate speaking, reading, and writing skills

PUBLICATIONS IN PEER-REVIEWED JOURNALS (N = 27)

Since 2016: Citations = 723; h-index = 16; i10-index = 18

Google scholar: https://scholar.google.com/citations?user=d0p1oawAAAAJ&hl=en

1. **Vieira-Neto A**, GA Duarte, R Zimpel, WW Thatcher, and JEP Santos. Days in the prepartum group are associated with subsequent performance in Holstein cows. J. Dairy Sci. 104:5964-5978. https://doi.org/10.3168/jds.2020-18889.
2. **Vieira-Neto A**, R Zimpel, FR Lopes Jr, TL Scheffler, E Block, WW Thatcher, and JEP Santos. 2021. Duration and degree of diet-induced metabolic acidosis prepartum alter tissues responses to insulin in dairy cows. J. Dairy Sci. 104:1660-1679. https://doi.org/10.3168/jds.2020-18787.
3. **Vieira-Neto A**, G Negro, R Zimpel, M Poindexter, FR Lopes Jr, WW Thatcher, CD Nelson, and JEP Santos. 2021. Effects of injectable calcitriol on mineral metabolism and postpartum health and performance in dairy cows. J. Dairy Sci. 104:683-701. https://doi.org/10.3168/jds.2020-18448.
4. **Vieira-Neto A**, IMR Leão, JG Prim, ACM Silva, MM Nehme, R Zimpel, S Etheve, CD Nelson, and JEP Santos. 2021. Effect of duration of exposure to diets differing in DCAD on Ca metabolism after a parathyroid hormone challenge in dairy cows. J. Dairy Sci. 104:1018-1038. https://doi.org/10.3168/jds.2020-19127.
5. Lopes Jr FR, LM Silva, R Zimpel, AK Munhoz, **A Vieira-Neto**, MHC Pereira, M Poindexter, ML Gambarini, WW Thatcher, JLM Vasconcelos, and JEP Santos. 2020. Prostaglandin F2α influences pre-ovulatory follicle characteristics and pregnancy per AI in anovular dairy cows. Theriogenelogy. 153:122-132. https://doi.org/10.1016/j.theriogenology.2020.04.038.

6. Lima FS, **A Vieira-Neto**, JA Snodgrass, A De Vries, and JEP Santos. 2019. Economic comparison of systemic antimicrobial therapies for metritis in dairy cows. J. Dairy Sci. 102:7345-7358. https://doi.org/10.3168/jds.2018-15383.

7. Zimpel R, MB Poindexter, **A Vieira-Neto**, E Block, CD Nelson, CR Staples, WW Thatcher, and JEP Santos. 2018. Effect of dietary cation-anion difference on acid-base status and dry matter intake in dry pregnant cows. J. Dairy Sci. 101:8461-8475. https://doi.org/10.3168/jds.2018-14748.

8. Lopera C, R Zimpel, **A Vieira-Neto**, FR Lopes, W Ortiz, M Poindexter, BN Faria, ML Gambarini, E Block, CD Nelson, and JEP Santos. 2018. Effects of level of dietary cation-anion difference and duration of prepartum feeding on performance and metabolism of dairy cows. J. Dairy Sci. 101:7907-7929. https://doi.org/10.3168/jds.2018-14580.

9. Cunha F, SJ Jeon, R Daetz, **A Vieira-Neto**, J Laporta, KC Jeong, AF Barbet, CA Risco, and KN Galvão. 2018. Quantifying known and emerging uterine pathogens and evaluating their association with metritis and fever in dairy cows. Theriogenology. 114:25-33. https://doi.org/10.1016/j.theriogenology.2018.03.016.

10. Jeon SJ, FS Lima, **A Vieira-Neto**, VS Machado, SF Lima, RC Bicalho, JEP Santos, and KN Galvao. 2018. Shift of uterine microbiota associated with antibiotic treatment and cure of metritis in dairy cows. Vet. Microbiol. 214:132-139. https://doi.org/10.1016/j.vetmic.2017.12.022.

11. Jeon SJ, F Cunha, **A Vieira-Neto**, RC Bicalho, S Lima, ML Bicalho, and KN Galvao. 2017. Blood as a route of transmission of uterine pathogens from the gut to the uterus in cows. Microbiome. 5:109. https://doi.org/10.1186/s40168-017-0328-9.

12. **Vieira-Neto A**, IRP Lima, F Lopes Jr., C Lopera, R Zimpel, LDP Sinedino, KC Jeong, K Galvao, WW Thatcher, CD Nelson, and JEP Santos. 2017. Use of 1α,25-dihydroxyvitamin D_3 (calcitriol) to maintain postpartum blood calcium and improve immune function in dairy cows. J. Dairy Sci. 100:5805-5823. https://doi.org/10.3168/jds.2016-12506.

13. **Vieira-Neto A**, KN Galvão, WW Thatcher, and JEP Santos. 2017. Association among gestation length and health, production, and reproduction in Holstein cows and implications to their offsprings. J. Dairy Sci. 100:3166-3181. https://doi.org/10.3168/jds.2016-11867.

14. Trevisani N, LD Barros, **A Vieira-Neto**, AA Sartor, AP Souza, JL Garcia, and AB Moura. 2017. Genotyping of *Toxoplasma gondii* isolates from naturally infected Gallus domesticus in Santa Catarina state, Brazil. Arq. Bras. Med. Vet. Zootec. 69:139-145.

15. Jeon SJ, F Cunha, X Ma, N Martinez, **A Vieira-Neto**, R Daetz, RC Bicalho, S Lima, JEP Santos, KC Jeong, and KN Galvão. 2016. Uterine microbiota and immune parameters associated with fever in dairy cows with metritis. PLoS ONE v. 11, n. 11, e0165740. https://doi.org/10.1371/journal.pone.0165740.

16. Ferraz PA, C Burnley, K Karanja, **A Vieira-Neto**, JEP Santos, RC Chebel, and KN Galvão. 2016. Factors affecting the success of a large embryo transfer program in Holstein cattle in a commercial herd in the southeast region of the United States. Theriogenology v. 86, n. 7, p. 1834-1841. https://doi.org/10.1016/j.theriogenology.2016.05.032.

17. **Vieira-Neto A**, FS Lima, JEP Santos, RD Mingoti, GS Vasconcellos, CA Risco, and KN Galvao. 2016. Vulvovaginal laceration as a risk factor for uterine disease in postpartum dairy

cows. J. Dairy Sci. v. 99, n. 6, p. 4629-4637. https://doi.org/10.3168/jds.2016-10872.

18. Ribeiro ES, G Gomes, LF Greco, RLA Cerri, **A Vieira-Neto**, PLJ Monteiro Jr., FS Lima, RS Bisinotto, WW Thatcher, and JEP. Santos. 2016. Carryover effect of postpartum inflammatory diseases on developmental biology and fertility in lactating dairy cows. J. Dairy Sci. v. 99, n. 3, p. 2201-2020. https://doi.org/10.3168/jds.2015-10337.
19. Jenkins NT, G Peña, C Risco, CC Barbosa, **A Vieira-Neto**, and KN Galvão. 2015. Utility of inline milk fat and protein ratio to diagnose subclinical ketosis and to assign propylene glycol treatment in lactating dairy cows. Canadian Veterinary Journal v. 56, n. 8, p 850-854.
20. Jeon SJ, **A Vieira-Neto**, M Gobikrushanth, R Daetz, R Mingoti, ACB Parize, SL Freitas, ANL da Costa, RC Bicalho, S Lima, KC Jeong, and KN Galvão. 2015. Uterine microbiota progression from calving until establishment of metritis in dairy cows. Applied and Environmental Microbiology v. 81, n. 18, p6324-6332.https://doi.org/10.1128/aem.01753-15.
21. Vercouteren MMAA, JHJ Bittar, PJ Pinedo, CA Risco, JEP Santos, **A Vieira-Neto**, and KN Galvao. 2015. Factors associated with early cyclicity in postpartum dairy cows. J. Dairy Sci. v. 98, n. 1, p. 229-239. https://doi.org/10.3168/jds.2014-8460.
22. **Vieira-Neto A**, RO Gilbert, WR Butler, JEP Santos, ES Ribeiro, MM Vercouteren, RG Bruno, JHJ Bittar, and KN Galvao. 2014. Individual and combined effects of anovulation and cytological endometritis on fertility of dairy cows. J. Dairy Sci. v. 97, n. 9, p. 5415-5425. https://doi.org/10.3168/jds.2013-7725.
23. Lima FS, **A Vieira-Neto**, GSFM Vasconcellos, RD Mingoti, RS Bisinotto, N Martinez, ES Ribeiro, CA Risco, KN Galvão, WW Thatcher, and JEP Santos. 2014. Efficacy of ampicillin trihydrate for treatment of metritis and subsequent fertility in dairy cows. J. Dairy Sci. v. 97, n. 9, 5401-5414. https://doi.org/10.3168/jds.2013-7569.
24. Bittar JHJ, PJ Pinedo, CA Risco, JEP Santos, WW Thatcher, KE Hencken, S Croyle, CC Barbosa, **A Vieira-Neto**, and KN Galvão. 2014. Inducing ovulation early postpartum on uterine health and fertility in dairy cows. J. Dairy Sci. v. 97, n. 6, p. 3558-3569. https://doi.org/10.3168/jds.2013-7533.
25. Moura AB, MO da Silva, JA Farias, **A Vieira-Neto**, AP de Souza, AA Sartor, JH Fonteque, and S Bunn. 2013. Neospora spp. Antibodies in horses from two geographical regions of the state of Santa Catarina, Brazil. Rev. Bras. Parasitol. Vet. v.22, n. 4, p. 597-601. https://doi.org/10.1590/s1984-29612013000400023.
26. Trevisani N, **A Vieira-Neto**, MF Guths, V Bellato, AA Sartor, AP Souza, and AB Moura. 2013. Toxoplasma gondii: Sorology and risk factors in pigs from farms in the Vale do Itajai, Santa Catarina, Brazil. Archives of Veterinary Science. v.18, n. 4, p. 14-19.
27. Medeiros AP, AB Moura, AP Souza, V Bellato, AA Sartor, **A Vieira-Neto**, J Moraes-Filho, and MB Labruna. 2013. Antibodies against Rickettsiae from spotted fever groups in horses from two mesoregions in the state of Santa Catarina, Brazil. Arq. Bras. Med. Vet. Zootec. v. 65, n. 6, p. 1713-1719.

MANUSCRIPTS UNDER REVIEW (N = 4)

1. **Vieira-Neto A**, and JEP Santos. Periparturient mineral metabolism: implications to health and productivity. J. Anim. Sci. (Under review).
2. **Vieira-Neto A**, MB Poindexter, M Nehme Marinho, R Zimpel, A Husnain, ACM Silva, JG Prim, CD Nelson, and JEP Santos. Effect of source and amount of vitamin D on function and mRNA expression in immune cells in dairy cows. J. Dairy Sci. (Under review).
3. Zimpel R, MN Marinho, KV Almeida, AR Revilla, MC Perdomo, MB Poindexter, **A Vieira-Neto**, U Arshad, A Husnain, CD Nelson, and JEP Santos. Effect of level of dietary cation-anion difference prepartum in nulliparous cows: acid-base balance, mineral metabolism, and health responses. J. Dairy Sci. (Under review).
4. Zimpel R, KV Almeida, M Nehme Marinho, AR Revilla Ruiz, MC Perdomo, MB Poindexter, A Husnain, **A Vieira-Neto**, ACM da Silva, U Arshad, CD Nelson, and JEP Santos. Effect of level of prepartum dietary cation-anion difference in nulliparous cows: productive and reproductive responses. J. Dairy Sci. (Under review).

PEER-REVIEWED ABSTRACTS PUBLICATION AND PRESENTATION (N = 41)

1. **Vieira-Neto A**, GA Duarte, R Zimpel, and JEP Santos. 2020. Days in close-up group are associated with subsequent performance in Holstein cows. J. Dairy Sci. Vol. 103. Suppl. (Accepted).
2. **Vieira-Neto A**, MB Poindexter, MM Nehme, A Husnain, R Zimpel, ACM Silva, JG Prim, CD Nelson, and JEP Santos. 2020. Effect of level and source of vitamin D on immune cells function and gene expression in dairy cows. J. Dairy Sci. Vol. 103. Suppl. (Accepted).
3. Arshad U, MB Poindexter, A Husnain, R Zimpel, MC Perdomo, **A Vieira-Neto**, and JEP Santos. 2020. Effects of rumen-protected choline on hepatic metabolism during induction of fatty liver. J. Dairy Sci. Vol. 103. Suppl. (Accepted).
4. Silva ACM, THR Souza, DC Ramos, **A Vieira-Neto**, MB Reese, SR Bohm, MM Nehme, JEP Santos, and CD Nelson. 2020. Combination of a life-time supplementation of calcidiol with a prepartum acidogenic diet on mineral metabolism and performance on transition Holstein nulliparous cows. J. Dairy Sci. Vol. 103. Suppl. (Accepted).
5. Silva ACM, R Zimpel, **A Vieira-Neto**, SR Bohm, JEP Santos, and CD Nelson. 2020. Effect of level of dietary cation-anion difference (DCAD) on peripheral blood leukocytes in nulliparous cows. J. Dairy Sci. Vol. 103. Suppl. (Accepted).
6. Husnain A, U Arshad, MB Poindexter, R Zimpel, **A Vieira-Neto**, Z Ma, KC Jeong, WW Thatcher, CD Nelson, JJ Bromfield, and JEP Santos. 2020. Induced endometritis affects production in early lactation. J. Dairy Sci. Vol. 103. Suppl. (Accepted).
7. **Vieira-Neto A**, IMR Leão, JG Prim, KV Almeida, R Zimpel, MM Nehme, J Bollatti, ACM Silva, AR Ruiz, CD Nelson, and JEP Santos. 2019. Effect of duration of exposure to diets differing in DCAD on Ca metabolism after a parathyroid hormone (PTH) challenge in dairy cows. J. Dairy Sci. Vol 102. Suppl. 1. M20.

8. Nelson CD, JEP Santos, MB Poindexter, **A Vieira-Neto**, and R Zimpel. 2019. Implications of vitamin D physiology and nutrition in regulation of calcium in dairy cows. J. Dairy Sci. Vol 102. Suppl. 1. 275.
9. Poindexter MB, **A Vieira-Neto**, A Husnain, R Zimpel, A Faccenda, A Sanches de Avila, A Silva, P Celi, C Cortinhas, JEP Santos, and CD Nelson. 2019. Effects of dose and source of vitamin D on mineral homeostasis and performance in transition dairy cows. J. Dairy Sci. Vol 102. Suppl. 1. 340.
10. Zimpel R, MB Poindexter, **A Vieira-Neto**, A Husnain, S Buoniconti, P Celi, C Cortinhas, CD Nelson, and JEP Santos. 2019. Effects of dietary vitamin D_3 or 25-hydroxyvitamin D_3 on mineral metabolism in growing calves. J. Dairy Sci. Vol 102. M158.
11. **Vieira-Neto A**, C Lopera, R Zimpel, FR Lopes Jr, P Molinari, B Faria, ML Gambarini, E Block, WW Thatcher, C Nelson, and JEP Santos. 2018. Effects of level of DCAD and duration of feeding on responses to glucose tolerance test and insulin challenge in prepartum dairy cows. J. Dairy Sci. Vol. 101, Suppl. 88.
12. Lima FS, **A Vieira-Neto**, and JEP. Santos. 2018. Effects of metritis on incidence of postpartum disorders and days in the hospital in Holstein dairy cows. J. Dairy Sci. Vol.101, Suppl. T52.
13. Zimpel R, MB Poindexter, **A Vieira-Neto**, E Block, CR Staples, WW Thatcher, and JEP Santos. 2018. Effects of dietary cation-anion difference (DCAD) on acid-base status and DMI in primigravid cows. J. Dairy Sci. Vol. 101, Suppl. T281.
14. Snodgrass JA, **A Vieira-Neto**, RS Bisinotto, ES Ribeiro, N Martinez, KN Galvao, JEP Santos, and FS Lima. 2017. Economic comparison of ampicillin trihydrate and ceftiofur hydrochloride for treating metritis in dairy cows: a prospective cohort study. J. Dairy Sci. Vol. 100, Suppl. M75.
15. **Vieira-Neto A**, G Negro, R Zimpel, C Lopera, M Poindexter, FR Lopes Jr, C Nelson, WW Thatcher, and JEP Santos. 2017. Use of calcitriol to reduce subclinical hypocalcemia and improve postpartum health in dairy cows. J. Dairy Sci. Vol. 100, Suppl. M91.
16. **Vieira-Neto A**, IA Peixoto, FR Lopes Jr., R Zimpel, C Lopera, LDP Sinedino, KN Galvao, CD Nelson, and JEP Santos. 2016. Use of $1,25(OH)_2$ vitamin D_3 to maintain postpartum blood calcium and improve immune function in dairy cows. J. Dairy Sci. Vol 99, Suppl. 1:340.
17. Sinedino LDP, RRC Mello, C Lopera, **A Vieira-Neto**, MG Zenobi, E Block, CL Preseault, AL Lock, CR Staples, WW Thatcher, and JEP Santos. 2016. Effects of feeding different forms of polyunsaturated fatty acids on performance, plasma metabolites and milk fatty acid composition of dairy cows. J. Dairy Sci. Vol 99, Suppl. 1:356.
18. Lopera C, R Zimpel, FR Lopes Jr., WG Ortiz, BN Faria, MR Carvalho, **A Vieira-Neto**, ML Gambarini, E Block, CD Nelson, and JEP Santos. 2016. J. Dairy Sci. Vol 99, Suppl. 1:736.
19. Ferraz P, C Burnley, J Karanja, **A Vieira-Neto**, JEP Santos, and KN Galvao. 2015. Factors affecting the success of an embryo transfer program in dairy cattle. J. Dairy Sci. Vol. 98, Suppl. 2:110.
20. Jeon SJ, **A Vieira-Neto**, M Gobikrushanth, R Daetz, R Mingoti, AC Parize, S Freitas, AN Costa, R Bicalho, S Lima, KC Jeong, and KN Galvao. 2015. Uterine microbiota from calving

until establishment of metritis in dairy cows. J. Dairy Sci. Vol. 98, Suppl. 2:192.

21. Jeon SJ, **A Vieira-Neto**, and KN Galvao. 2015. The role of Bacteroidetes and Bacteroides species in the development of metritis and fever in dairy cows. J. Dairy Sci. Vol. 98, Suppl. 2:322.
22. **Vieira-Neto A**, KN Galvao, and JEP Santos. 2015. Association among gestation length with health, reproduction, and production in Holstein cows. J. Dairy Sci. Vol. 98, Suppl. 2:331.
23. **Vieira-Neto A**, AC Parize, CA Risco, JEP Santos, and KN Galvao. 2015. Evaluation of recurrence of frequent diseases and disorders in early postpartum dairy cows. J. Dairy Sci. Vol. 98, Suppl. 2:507.
24. Lima FS, **A Viera-Neto**, N Martinez, CA Risco, KN Galvão, and JEP Santos. 2013. Evaluation of ampicillin trihydrate for treatment for metritis and subsequent fertility in lactating dairy cows. Proceedings of the 46st Annual Convention - American Association of Bovine Practitioners, Milwaukee, WI.
25. Lima FS, **A Vieira-Neto**, GSFM Vasconcelos, RS Bisinotto, N Martinez, LF Greco, LDP Sinedino, RD Mingoti, KN Galvão, CA Risco, WW Thatcher, and JEP Santos. 2013. Efficacy of ampicillin trihydrate for therapy of metritis in lactating dairy cows. J. Dairy Sci. Vol. 96, Suppl. 1:414.
26. Vercouteren MM, JH Bittar, L Ibarbia, M Gobikrushanth, CA Risco, JEP Santos, **A Vieira-Neto**, and K Galvao. 2013. Factors affecting ovulation within three weeks postpartum in dairy cows. J. Dairy Sci. Vol. 96, Suppl. 1:350.
27. **Vieira-Neto A**, CA Risco, JEP Santos, and K Galvao. 2013. Effect of disease in one lactation on the incidence of disease in the subsequent lactation in dairy cows. J. Dairy Sci. Vol. 96, Suppl. 1:486.
28. **Vieira-Neto A**, FS Lima, JEP Santos, RD Mingoti, GS Vasconcellos, CA Risco, and KN Galvao. 2013. Association among vaginal-vulvar laceration, vaginal discharge early postpartum, and prevalence of uterine disease. J. Dairy Sci. Vol. 96, Suppl. 1:487.
29. **Vieira-Neto A**, WR Butler, RO Gilbert, and KN Galvao. 2013. Combined effect of cytological endometritis and cyclicity on fertility of dairy cows. J. Dairy Sci. Vol. 96, Suppl. 1:117.
30. Bittar JH, P Pinedo, KE Hencken, CC Barbosa, M Gobikrushanth, S Croyle, CA Risco, **A Vieira-Neto**, JEP Santos, and KN Galvao. 2013. Effect of induction of ovulation, early in lactation, on uterine health and fertility in dairy cows. J. Dairy Sci. Vol. 96, Suppl. 1:118.
31. Moura AB, A Ribeiro, AA Sartor, AP Souza, **A Vieira-Neto**, JP Matiello, N Trevisani, and AS Silva. 2013. Toxoplasma gondii: Seroprevalence in goats from the Oeste and Planalto Serrano of Santa Catarina. Proceedings of the 23th Seminario de Iniciacao Cientifica da Universidade do Estado de Santa Catarina, Lages, Santa Catarina, Brazil.
32. Trevisani N, **A Vieira-Neto**, AP Souza, AA Sartor, JL Garcia, LD Barros and AB Moura. 2013. Genotyping of Toxoplasma gondii isolates from Gallus gallus naturally infected in the State of Santa Catarina, Brazil. Proceedings of the 21st Congresso Latinoamericano de Parasitologia FLAP 2013, Guayaquil, Ecuador.
33. **Vieira-Neto A**, AB Moura, MF Guths, AP Souza, AA Sartor, and V Bellato. 2012.

Occurrence of antibodies against Toxoplasma gondii in swine from the Vale do Itajai, Santa Catarina, Brazil. Proceedings of the 17th Congresso Brasileiro de Parasitologia e Medicina Tropical. Sao Luis, Maranhao, Brazil.

34. Moura AB, **A Vieira-Neto**, MF Guths, AP Souza, AA Sartor, V Bellato, and JP Matiello. 2012. Toxoplasma gondii: seroprevalence and risk factors in ewes from the Planalto Serrana of Santa Catarina, Brazil. Proceedings of the 17th Congresso Brasileiro de Parasitologia e Medicina Tropical. Sao Luis, Maranhao, Brazil.
35. Trevisani N, **A Vieira-Neto**, LD Barros, JL Garcia, AP Souza, V Bellato, AA Sartor, and AB Moura. 2012. Genotyping of isolates of Toxoplasma gondii from Poutry (Gallus domesticus) naturally infected from the State of Santa Catarina. Proceedings of the 17th Congresso Brasileiro de Parasitologia e Medicina Tropical. Sao Luis, Maranhao, Brazil.
36. Moura AB, **A Vieira-Neto**, AA Sartor, AP Souza, V Bellato, and N Trevisani. 2012. Genotyping of isolates of Toxoplasma gondii obtained from Gallus gallus naturally infected from the State of Santa Catarina. Proceedings of the 22nd Seminario de Iniciacao Cientifica da Universidade do Estado de Santa Catarina, Lages, Santa Catarina, Brazil.
37. Trevisani N, AB Moura, **A Vieira-Neto**, AA Sartor, AP Souza, and V Bellato. 2011. Genotyping of Toxoplasma gondii isolates obtained of naturally infected Gallus gallus in the State of Santa Catarina. Proceedings of the 38st Congresso Brasileiro de Medicina Veterinaria. Florianopolis, Brazil. Revista Ciencias Agroveterinaria.
38. **Vieira-Neto A**, ACD Matos, AB Moura, BC Weck, MF Guths, and ZIP Lobato. 2011. Bluetongue Virus seroprevalence in sheep in Santa Catarina`s Plateau, Brazil. Proceedings of the 38st Congresso Brasileiro de Medicina Veterinaria. Florianopolis, Brazil. Revista Ciencias Agroveterinaria.
39. **Vieira-Neto A**, AB Moura, MF Guths, AP Souza, AA Sartor, and V Bellato. 2011. Seroprevalence and risk factors for Toxoplasma gondii infection in sheep on Planalto Serrano of the state of Santa Catarina, Brazil. In Proceedings of the 38th Brazilian Congress of Veterinary Medicine, Florianópolis, Santa Catarina, Brazil. Revista Ciências Agroveterinaria.
40. Moura AB, AP Medeiros, AP Souza, V Bellato, AA Sartor, **A Vieira-Neto**, and MB Labruna. 2011. Spotted Fever Group (SFG) Rickettsia antibodies on horses in the state of Santa Catarina, South region, Brazil. Proceedings of the 23rd International Conference of the World Association for the Advancement of Veterinary Parasitology. Buenos Aires, Argentina.
41. Moura AB, **A Vieira-Neto**, AA Sartor, AP Souza, V Bellato, and N Trevisani. 2011. Genotyping of isolates of Toxoplasma gondii obtained from Gallus gallus naturally infected from the state of Santa Catarina. Anais do 21º Seminário de Iniciação Científica da Universidade do Estado de Santa Catarina, Lages, Santa Catarina, Brazil.

INVITED ORAL PRESENTATIONS AND RESEARCH SYMPOSIA

- "Effects of level of DCAD and duration of feeding on responses to glucose tolerance test (GTT) and insulin challenge (IC) in prepartum dairy cows." In: Animal Molecular and Cellular Biology Graduate Program Annual Research Symposium, Crystal River, FL, USA. April 6th, 2018.

- "Diseases of the transition period." In: XXXV Academic Week of the College of Veterinary Medicine of the Federal University of Paraná, Curitiba, PR, Brazil. May 16th, 2017.
- "Use of calcitriol to reduce subclinical hypocalcemia and improve postpartum health in dairy cows." In: Animal Molecular and Cellular Biology Graduate Program Annual Research Symposium, Safety Harbor, FL, USA. April 7th, 2017.
- "Use of 1α,25-dihydroxyvitamin D_3 (calcitriol) to maintain postpartum blood calcium and improve immune function in dairy cows." In: UF-FAMU Animal Sciences Symposium, St. Augustine, FL, USA. October 21st, 2016.
- "The interrelation between gestation length and performance of Holstein cows and their offsprings." In: Interdisciplinary Reproduction and Production Medicine Seminar at the College of Veterinary Medicine – University of Florida, Gainesville, FL, USA. September 23rd, 2016.
- "Use of 1,25-dihydroxyvitamin D_3 to maintain postpartum blood calcium and improve immune function in dairy cows." In: Animal Molecular and Cellular Biology Graduate Program Annual Research Symposium, Brooksville, FL, USA. April 15th, 2016.
- "Association between gestation length with health, reproduction, and production in Holstein cows." In: Animal Molecular and Cellular Biology Graduate Program Annual Research Symposium, Jekyll Island, GA, USA. April 17th, 2015.
- "Academic experience at the University of Florida." In: Academic Week of the College of Veterinary Medicine of the University of Caxias do Sul, Caxias do Sul, RS, Brazil. July 14th, 2014.

EXTRACURRICULAR LEADERSHIP ACTIVITIES

- President of the Graduate Student Association, Department of Animal Sciences, University of Florida (2017-2018)
- President of the Graduate Student Association, Department of Animal Sciences, University of Florida (2015-2016)

MEMBERSHIPS

- American Dairy Science Association – 2015 to present
- Sigma Xi Scientific – 2016 to present
- Gamma Sigma Delta Honor Society of Agriculture – 2016 to present
- Dairy Cattle Reproduction Council – 2017 to present

AD HOC REVIEWER

- Journal of Dairy Science – 2018 to present
- Livestock Science Journal – 2018 to present
- Animal Production Science – 2020 to present