

# CURRICULUM VITAE

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**Phillip Peixoto, DVM, MSc**

## **CURRENT POSITION, ADDRESS, and CONTACT**

**Position:** PhD Student & Research Assistant

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**Date of Birth:** 09/10/1990

**Place of Birth:** Goiânia, Goiás, Brazil.

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**ReserchGate:** [researchgate.net/profile/Phillip-Peixoto/research](https://researchgate.net/profile/Phillip-Peixoto/research)

## **EDUCATION AND EXPERIENCE**

- ❖ **PhD Student & Research Assistant (Since January 2021)**  
At University of Florida. Research focused on cattle fertility under the mentorship of Dr. Rafael Bisinotto.
- ❖ **House officer & master's student (Sept 2018 to Dec 2020)**  
at University of Illinois. Clinician at the food animal division and research focused on dairy cattle reproduction and milk quality. Assisted lecturers in courses related to animal health, and reproduction.
- ❖ **Veterinarian and owner (Jul 2017 to Sept 2018)**  
of Veterinary and Farming store GRANADO Ltda. Providing clinical, technical assistance to local farmers, and supply distributor.

- ❖ **Veterinarian (Jan to May 2017)**  
at Lactobom Dairy Farm as a temporary veterinarian, providing clinical and technical assistance.
- ❖ **Veterinary assistant course - Instructor (Sept to Dec 2016)**  
theoretical and practical course for veterinary assistants approved by Veterinary National Council.
- ❖ **Research Assistant (Apr 2015 to Jun 2016)**  
at Veterinary Medicine Department on University of Illinois, performing research related to cow's reproduction, managing and supporting students during the theriogenology classes, under the mentorship of Dr. Fabio Lima.
- ❖ **Internship in Dairy Health (Sept to Dec 2014)**  
On the animal science department at Cornell University, worked on research about FGF21 in Dairy Cattle with Dr. Yve Boisclair and Dr. Luciano Caixeta.
- ❖ **Doctor of Veterinary Medicine, UFG (2010 to 2015)**  
at Federal University of Goiás, Goiânia-GO, Brazil.
- ❖ **Intern, Program of Develop. of Dairy Industry (2011 to 2012)**  
at Federal University of Goiás. Veterinary student supporting Dairy farms affiliated to NESTLE company.

## PUBLICATIONS

1. Hubner Andrew M., **Peixoto Phillip M. G.**, Hillesheim Joshua, Canisso Igor F., Lima Fabio S. Effect of GnRH 7 days before presynchronization with simultaneous PGF<sub>2α</sub> and GnRH on reproductive outcomes in Holstein dairy cows - *Front. 2020, Vet. Sci.*, 22.  
[doi.org/10.3389/fvets.2020.574516](https://doi.org/10.3389/fvets.2020.574516)
2. **Peixoto PM**, Hubner AM, Junior WMC, Cunha LL, Garrett EF, Pohler KG, Dias NW, Mercadante VRG, Canisso IF, Lima FS. Characterization of plasmatic pregnancy Associated Glycoproteins in Holstein dairy

- identified high risk pregnancy - *J. Dairy Sci.* 2021, 104:5034-5046. doi: 10.3168/jds.2020-19334
3. A. M. Hubner, I. F. Canisso, **P. M. Peixoto**, A. J. Conley, and F. S. Lima. Effect of gonadotropin-releasing hormone administered at the time of artificial insemination for cows detected in estrus by conventional estrus detection or an automated activity-monitoring system - *J. Dairy Sci.* 2022. 105:831–841. doi.org/10.3168/jds.2021-21011
  4. Hugo F. Monteiro, Ziyao Zhou, Marilia S. Gomes, **Phillip M. G. Peixoto**, Erika C. R. Bonsaglia, Igor F. Canisso, Bart C. Weimer, and Fabio S. Lima. Rumen and lower gut microbiomes relationship with feed efficiency and production traits throughout the lactation of Holstein dairy cows - *Sci Rep.* 2022. 104: 4904. doi.org/10.1038/s41598-022-08761-5
  5. A. M. Hubner, I. F. Canisso, **P. M. Peixoto**, W. M. Coelho Jr., L. L. Cunha, L. Ribeiro, S. Crump, and F. S. Lima. Effect of nerve growth factor- $\beta$  administered at insemination for lactating Holstein dairy cows bred after timed-artificial insemination protocol - *J. Dairy Sci.* 2022 105:6353–636. doi.org/10.3168/jds.2022-21874
  6. A. M. Hubner, I. F. Canisso, **P. M. Peixoto**, W. M. Coelho Jr., L. Ribeiro, A. Brian, and F. S. Lima. Randomized controlled trial of propylene glycol and cyanocobalamin treatment on naturally occurring disease, milk yield, and reproduction of dairy cows with concurrent hyperketonemia and hypoglycemia. - *J. Dairy Sci.* 2022 (Accepted on June 19<sup>th</sup>)
  7. A. M. Hubner, I. F. Canisso, **P. M. Peixoto**, W. M. Coelho Jr., L. Ribeiro, A. Brian, P. R. Menta Jr., V. Machado, and F. S. Lima. Characterization of metabolic profile, health, milk production, and reproductive outcomes of dairy cows diagnosed with concurrent hyperketonemia and hypoglycemia. – (Submitted to *J. Dairy Sci.* 2022)

8. **Phillip M. G. Peixoto**, Lais L. Cunha, Leonardo Barbosa, Wilson M. Coelho Jr., Rodrigo C. Bicalho, Giorgia Podico, Igor F. Canisso, and Fabio S. Lima. Evaluation of recombinant bovine interleukin-8 (rbIL-8) as an antibiotic alternative for the treatment of chronic intramammary infection in dairy cows – *(Accepted for Antibiotics journal)*
9. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto.  
Transcriptome changes associated with elongation of bovine conceptuses I: differentially expressed transcripts in the conceptus on day 17 after insemination – *(Under submission to J Dairy Science)*
10. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto.  
Transcriptome changes associated with elongation of bovine conceptuses II: differentially expressed transcripts in the endometrium on day 17 after insemination – *(Under submission to J Dairy Science)*

## CONFERENCE PRESENTATIONS

1. L. Cunha, **P. M. G. Peixoto**, A. A. Elolimy, I. F. Canisso, F. C. Cardoso, R. C. Bicalho, and F. S. Lima,  
Comparison of rumen microbiome structures in samples collected Using an oro-esophageal probe, and solid, liquid and combined solid liquid fractions collected using rumen fistula in Holstein dairy cows. – *Poster presentation, ADSA 2019, Cincinnati, OH*
2. **Peixoto P. M**, Hubner AM, Junior WMC, Cunha LL, Garrett EF, Pohler KG, Dias NW, Mercadante VRG, Canisso IF, Lima FS.  
Characterization of plasmatic pregnancy Associated Glycoproteins in Holstein dairy identified high risk pregnancy – *ADSA 2020, Oral presentation, Virtual Format*

3. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto. Association between conceptus length and endometrial transcriptome on day 17 of gestation in dairy cows – *ADSA 2021, Oral presentation, Virtual Format*
4. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto. Transcriptome changes associated with elongation of bovine conceptuses– *ADSA 2021, Oral presentation, Virtual Format*
5. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto. Association between conceptus length and endometrial transcriptome on day 17 of gestation in dairy cows – *DCRC 2021, Oral presentation, Virtual Format*
6. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto. Transcriptome changes associated with elongation of bovine conceptuses– *DCRC 2021, Oral presentation, Virtual Format*
7. **P. M. G. Peixoto**, Lais L. Cunha, Leonardo Barbosa, Wilson M. Coelho Jr., Rodrigo C. Bicalho, Giorgia Podico, Igor F. Canisso, and Fabio S. Lima. Evaluation of recombinant bovine interleukin-8 (rbIL-8) as an antibiotic alternative for the treatment of chronic intramammary infection in dairy cows – *ADSA 2022, Oral presentation, Kansas City, MO*
8. M. N. Marinho, M. C. Perdomo, B. S. Simões, A. Husnain, U. Arshad, C. C. Figueiredo, **P. M. Peixoto**, and J. E. P. Santos. Lactation performance in dairy cows supplemented with microbial additives – *ADSA 2022, Kansas City, MO*
9. **P. M. Peixoto**, J. J. Bromfield, E. S. Ribeiro, J. E. P. Santos, W. W. Thatcher, and R. S. Bisinotto. Conceptus length on day 17 of gestation is associated with endometrium and conceptus transcriptome in dairy cows – *SSR 2022, Virtual Poster, Spokane, WA.*

## **GRANT and AWARDS**

### **1. Campus Research Board University of Illinois, 2019**

Funded the project: *Evaluation of recombinant bovine interleukin-8 (rbIL-8) as an antibiotic alternative for the treatment of chronic intramammary infection in dairy cows* (RB19114). The grant was awarded with a total of \$ 22,707.00.

### **2. AMCB Graduate Student Top-up Award, University of Florida, 2021**

### **3. AMCB Graduate Student Top-up Award, University of Florida, 2022**

## **ADVANCED TRAINING/SKILLS:**

1. Bovine reproductive ultrasonography and artificial insemination
2. Automated monitoring devices for cattle behavior, DataFlow – Merck
3. Flow cytometry aurora-cytek training
4. PMN cell culture extracted from milk and plasma samples
5. Microsoft Excel and Power Point Development
6. Statistical Analysis using SAS and R script
7. Ingenuity Pathway Analysis – QIAGEN

## **LANGUAGES SPOKEN:**

1. Native Portuguese
2. Fluent in English
3. Intermediate Spanish.