Amanda **Alvarenga**

Ph.D. CANDIDATE

College of Agriculture- Purdue University

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abalvarenga | 🔗 amanda-alvarenga

My expertise includes organization, analysis, and interpretation of large-scale datasets, quantitative genetic and genomic analysis, and development of research, including tools and pipelines. I enjoy devising solutions to a variety of problems (research and otherwise), coordinating groups and/or meetings, and helping others conduct their research. My philosophy when it comes to innovation and goals is 'If at first you don't succeed, try, try again!'

Education

Purdue University   *West Lafayette, USA*

DOCTOR OF PHILOSOPHY IN ANIMAL SCIENCES WITH FOCUS ON QUANTITATIVE GENETICS AND GENOMICS   *2019 – 2022*

- Dissertation title: Genetic and Genomic modeling of welfare indicator traits in cattle population
- GPA: 4.00/4.00

Federal University of Viçosa   *Viçosa, Brazil*

DOCTOR OF PHILOSOPHY IN ANIMAL SCIENCES WITH FOCUS ON QUANTITATIVE GENETICS AND GENOMICS   *2018 – 2019*

- Incomplete due to transition to the pursuit of Ph.D. in the USA
- GPA: 4.00/4.00

"Luiz de Queiroz" College of Agriculture - University of São Paulo   *Piracicaba, Brazil*

MASTER OF ANIMAL SCIENCES AND PASTURES WITH FOCUS IN QUANTITATIVE GENETICS AND GENOMICS   *2015 – 2017*

- Dissertation title: Feed efficiency traits in Santa Inês sheep under genomic approaches
- GPA: 3.95/4.00

Federal University of Lavras   *Lavras, Brazil*

BACHELOR OF ANIMAL SCIENCES   *2011 – 2015*

- Dissertation title: Modeling equations to predict energetic values using metanalysis and Bayesian approaches in broilers
- Graduated with highest GPA and 1st place in the 'Academic Merit' award

Skills

Language

PORTUGUESE (NATIVE SPEAKER), ENGLISH (FULL PROFESSIONAL)

Programming Languages

BASH, R (AND RELATED TOOLS, E.G. RMARKDOWN, PLOTLY, SHINY), PYTHON (LEARNING)

Microsoft Office

EXCEL, OUTLOOK, ONENOTE, POWERPOINT, WORD

Other Software

ALPHASIMR, BLUPF90 FAMILY SOFTWARE, GS3, GENSEL, GCTA, PLINK, QMSIM, SAS, SNP1101, WOMBAT

Keywords Expertises

DATA MINING, DATA SCIENCES, DATA VISUALIZATION, DATA SIMULATION, GENOME-WIDE ASSOCIATION, GENOMICS, GENOTYPE-BY-ENVIRONMENT INTERACTION, INDEPENDENT AND SELF-DIRECTED SCIENTIST, IN-HOUSE PIPELINES, LARGE-DATASETS, MIXED MODELS, MULTIVARIATE ANALYSIS, PROBLEM SOLVING, POPULATION-STRUCTURE, PREDICTIVE MODELS, QUANTITATIVE GENETICS, SINGLE-STEP GBLUP, STATISTICAL METHODOLOGIES, VALIDATION METHODS

Honors

27th Summer Institute in Statistical Genetics Scholarship   *Seattle, USA*

UNIVERSITY OF WASHINGTON SCHOOL OF PUBLIC HEALTH   *2022*

InnovatED magazine   *West Lafayette, USA*

PURDUE UNIVERSITY   *2022*

- Article selected to be published in the Purdue University Graduate Research magazine

W.R. Featherston Early Graduate Career Award

PURDUE UNIVERSITY

West Lafayette, USA

2021

- Outstanding M.S./ Ph.D. student within the first two years of graduate study

LOUJA Graduate Travel Awards

PURDUE UNIVERSITY

West Lafayette, USA

2021

- Oral presentation competition

US-Based Early Career Researcher Scholarship

6TH INTERNATIONAL CONFERENCE OF QUANTITATIVE GENETICS

Brisbane, Australia (Online)

2020

25th Summer Institute in Statistical Genetics Scholarship

UNIVERSITY OF WASHINGTON SCHOOL OF PUBLIC HEALTH

Seattle, USA

2020

College of Agriculture's Dr. Dagnatchew Yirgou Endowment Travel Award

PURDUE UNIVERSITY

West Lafayette, USA

2019

Honors degree

FEDERAL UNIVERSITY OF LAVRAS

Lavras, Brazil

2015

- Graduated with highest GPA and set herself apart in 1st place in the 'Academic Merit' award

Academic and Work Experiences

Graduate Research Assistant

PURDUE UNIVERSITY

West Lafayette, USA

2019 – NA

- Used mixed and other complex models (e.g. threshold/liability) to estimate variance components, predict genomic breeding values, and gene mapping
- Evaluated genotype-by-environment interaction (e.g. across ecoregions and across countries), including multiple-trait models and random regression to identify environmental sensitivity (i.e. reaction norm)
- Implemented single-step GBLUP and core and non-core algorithm (APY) to optimize computational time and memory
- Prepared statistical pipelines to conduct genetic and genomic projects
- Researched alternatives to optimize genomic predictions
- Solved statistical analytics problems
- Presented at the department and international conferences to disseminate knowledge and results for an academic and lay audience
- Assisted undergraduate and graduate students in their research projects: theory and programming
- Wrote reports and a proposal

Voluntary Teaching Assistant

PURDUE UNIVERSITY

West Lafayette, USA

2021 – 2021

- Taught and mentored undergraduate students' technical subjects in breeding and genetics and explained their applicability in the industry
- Prepared and presented a quantitative genetics class to help students to apply the theory into practice

Quantitative Geneticist Intern

ANGUS GENETICS INC.

Saint Joseph, USA

2021 – 2021

- Assessed and edited over 1 million genotyped individuals (i.e. 54K SNP panel)
- Analyzed and modeled categorical traits recorded on individuals raised across different countries
- Evaluated data structure (data mining), population stratification, genotype-by-environment interaction, model definition, genome-wide association, and genomic prediction
- Presented and reported the results written and verbal to a genetic and non-genetic audience
- Interacted with other entities and groups (e.g. customer service, regional managers, information technology, product development, producer/farmer)

Graduate Research Assistant

FEDERAL UNIVERSITY OF VIÇOSA

Viçosa, Brazil

2018 – 2019

- Simulated phenotype, pedigree, and genomic information to evaluate alternative approaches accounting for crossbred population-parameters into a purebred genomic evaluation

Graduate Research Assistant

"LUIZ DE QUEIROZ" COLLEGE OF AGRICULTURE- UNIVERSITY OF SAO PAULO

Piracicaba, Brazil

2015 – 2017

- Conducted a genetic and genomic project
- Collaborated with other research groups by helping in the experimental analysis (e.g. block and latin square designs)

Voluntary Undergraduate Teaching Assistant

FEDERAL UNIVERSITY OF LAVRAS

Lavras, Brazil

2014 – 2014

- Taught undergraduate students statistics and quantitative genetics

Undergraduate Research Assistant *Lavras, Brazil*

Federal University of Lavras *2012 – 2015*

- Performed a metanalysis and modeling prediction equations, and applied Bayesian approaches

Publications

Genetic and genomic of docility-based cognitive ability in American Angus cattle

Alvarenga A.B., Garcia A., Retallick K., Oliveira H.R., Miller S.P., Brito L.F. *2022*

- In preparation

Genetic modeling and genomic analyses of yearling temperament in American Angus cattle and its relationship with productive efficiency and resilience traits

Alvarenga A.B., Oliveira H.R., Miller S.P., Silva F.F., Brito L.F. *2022*

- Frontiers in Genetics https://doi.org/10.3389/fgene.2022.794625

A systematic review of genomic regions and candidate genes underlying behavioral traits in farmed mammals and their link with human disorders

Alvarenga A.B., Oliveira H.R., Chen S.Y., Miller S.P., Marchant J.N., Grigoletto L., Brito L.F. *2021*

- Animals 11 (715) https://www.doi.org/10.3390/ani11030715

Haplotype-based single-step GWAS for yearling temperament in American Angus cattle

Araujo A.C., Carneiro P.L.S., Alvarenga A.B., Oliveira H.R., Miller S.P., Retallick K., Brito L.F. *2021*

- Genes 13 (1):17 https://www.doi.org/10.3390/genes13010017

Comparing alternative single-step GBLUP approaches and training population designs for genomic evaluation of crossbred animals

Alvarenga A.B., Veroneze R., Oliveira H.R., Marques D.B.D., Lopes P.S., Silva F.F., Brito L.F. *2020*

- Frontiers in Genetics 11 (263) https://www.doi.org/10.3389/fgene.2020.00263

Genetic parameters, genome-wide association and gene networks for milk and reproductive traits in Guzera cattle

Paiva J.T., Peixoto M.G.C.D., Bruneli F.A.T., Alvarenga A.B., Oliveira H.R., Silva A.A., Silva D., Veroneze R., Silva F.F., Lopes P.S. *2020*

- Livestock Science 242 https://www.doi.org/10.1016/j.livsci.2020.104273

Incorporating temperament traits in dairy cattle breeding programs: challenges and opportunities in the phenomics era

Chang Y., Brito L.F., Alvarenga A.B., Wang Y. *2020*

- Animal Frontiers 10(2) https://www.doi.org/10.1093/af/vfaa006

Progesterone-based timed AI protocols for Bos Indicus cattle I: evaluation of ovarian function

Madureira G., Motta J.C.L., Drum J.N., Consentini C.C., Prata A., Monteiro P.L.J., Melo L.F., Alvarenga A.B., Wiltbank M., Sartori R. *2020*

- Theriogenology 145 https://www.doi.org/10.1016/j.theriogenology.2020.01.030

Linkage disequilibrium in Brazilian Santa Inês breed, Ovis aries

Alvarenga A.B., Rovadoscki G.A., Petrini J., Coutinho L.L., Morota G., Spangler M.L., Pinto L., Carvalho G.G.P., Mourao G.B. *2018*

- Scientific Reports 8 (8851) https://www.doi.org/10.1038/s41598-018-27259-7

Estimated of genomic heritability and genome-wide association study for fatty acids profile in Santa Ines sheep

Rovadoscki G.A., Pertile S., Alvarenga A.B., Cesar A.S.M., Pertille F., Petrini J., Franzo V., Soares W.V.B., Morota G., Spangler M.L., Pinto L., Carvalho G.G.P., Lanna D.P., Coutinho L.L., Mourao G.B. *2018*

- BMC Genomics 19 https://www.doi.org/10.1186/s12864-018-4777-8

Community and College Services

Social Committee Member *West Lafayette, USA*

Graduate Student Association- Department of Animal Sciences- Purdue University *2019 – 2020*

- Organized social/networking events for graduate students, researchers, and staff

Workshop Organizer Assistant
Piracicaba, Brazil

"Luiz de Queiroz" College of Agriculture- University of Sao Paulo
2017 – 2017

- 1st Workshop on Omics Strategies Applied to Livestock Science
- Hosted international researchers during the event

Conference Organizer Assistant (Poster Evaluator)
Piracicaba, Brazil

"Luiz de Queiroz" College of Agriculture- University of Sao Paulo
2016 – 2016

- 24th Symposium of Undergraduate Scientific Research and Extension

Treasurer and Social Committee Member
Lavras, Brazil

Animal Breeding and Biotechnology Research and Study Group- Department of Animal Sciences- Federal University of Lavras
2013 – 2015

- Developed organizational skills, and administrated money raised for the research group through workshops and symposiums

Conference Organizer Assistant
Lavras, Brazil

Animal Breeding and Biotechnology Research and Study Group- Department of Animal Sciences- Federal University of Lavras
2014 – 2014

- Solved problems and unforeseen events, hosted the speakers, and mediator of the conference
- Planned all the details involved in the conference, including advertisement, food, the layout, and schedule
- Developed leadership skills by assigning tasks to other undergraduate students and helping them to efficiently conduct their tasks

Educational Assistant- Voluntary Work
Lavras, Brazil

National Federation of APAES
2013 – 2013

- Teaching assistant at organization for children requiring special educational services for developmental and learning disability

Courses/Workshops

Relevant courses are being listed.

Multivariate Analysis for Genetics Data
Seattle, USA (Online)

27th Summer Institute in Statistical Genetics Scholarship
July 2022 – July 2022

- Course to attend during the Summer-2022

Association Mapping: GWAS and Sequencing Data
Seattle, USA (Online)

27th Summer Institute in Statistical Genetics Scholarship
July 2022 – July 2022

- Course to attend during the Summer-2022

Advanced Quantitative Genetics
Seattle, USA (Online)

27th Summer Institute in Statistical Genetics Scholarship
July 2022 – July 2022

- Course to attend during the Summer-2022

Genomic prediction considering admixed populations and genotype-by-environment interaction
Wageningen, The Netherlands

Wageningen University & Research
June 2022 – July 2022

- Course to attend during the Summer-2022
- Estimate breed-origin-of-alleles (BOA) and use BOA in genomic predictions of admixed populations
- Include genotype-by-environment interactions in genomic prediction

Programming and computer algorithms in animal breeding with a focus on single-step GBLUP and genomic selection in practice
Athens, USA

University of Georgia
May 2022 – June 2022

- Course to attend during the Summer-2022
- Advanced programming in Fortran 95/2003 and computer algorithms
- Modeling: single-trait, multiple-trait, random-regression,competition, threshold, censored
- Dimensionality of genomic information, analyses of sequence data, causative variants

Writing and presenting scientific papers
Davos, Switzerland

72nd Annual Meeting of the European Federation of Animal Science
Aug. 2021 – Aug. 2021

Computational pipeline for whole genome sequencing data
Seattle, USA (Online)

25th Summer Institute in Statistical Genetics Scholarship
July 2020 – July 2020

- Hands-on introduction to whole genome sequence analysis pipelines

Current topics in genomics
West Lafayette, USA

Purdue University
Aug. 2020 – Dec. 2020

- Weekly seminars with invited speakers from across the world
- Many topics covered by specialist (e.g. genomic prediction, genome-wide association, epigenomics, metabolomics)

Big data analytics and high-performance computing

West Lafayette, USA

Purdue University

Jan. 2020 – May 2020

- Introduction to machine learning application, linear, non-linear, and logistic regression, classification algorithms

Genome-wide landscape of Copy Number Variations in cattle

West Lafayette, USA

Purdue University

June 2019 – June 2019

- Speaker: Dr. Magda Mielczarek (Wroclaw University of Environmental and Life Sciences, Poland)
- Background about Copy Number Variants
- Application and pipeline to identify Copy Number Variants using whole genome sequencing data: alignment to the reference genome (BWA), post-alignment (Picard, SAMtools), CNV detection (CNVnator, Pindel), CNV annotation (VEP), and statistical analysis

Quantitative genomics applied to breeding

West Lafayette, USA

Purdue University

Aug. 2019 – Dec. 2019

- Quantitative genetics theory, variance components estimation, population structure, imputation, linkage disequilibrium, genome-wide association, and genomic prediction, simulation of dataset
- Software: R, FImpute, QMSim, AlphaSim, BLUPF90, PLINK, GCTA

Quantitative genetics

West Lafayette, USA

Purdue University

Aug. 2019 – Dec. 2019

- Genetic and population genetics concept, and its application in plants

Multivariate analysis

Viçosa, Brazil

Federal University of Viçosa

Aug. 2018 – Dec. 2018

- Theory of multivariate methods (e.g. principal components, factor analysis, orthogonal polynomials)

Data analysis in animal breeding and genetics

Viçosa, Brazil

Federal University of Viçosa

Aug. 2018 – Dec. 2018

- Genetic and genomic analysis (e.g. linkage disequilibrium, effective population size, fixation index, variance components, genome-wide association analysis, genomic prediction, pedigree and genomic relationship matrix, selection index, and optimum contribution selection)
- Software/programming languages: R, BASH command lines, and many genomic statistical software (e.g. AIREML, Wombat, BLUPF90, PLINK)

Bayesian inference applied to animal breeding and genetics

Viçosa, Brazil

Federal University of Viçosa

Aug. 2018 – Dec. 2018

- Theory of Bayesian Inference, derivation of all the distributions and mixed models

Bayesian Inference applied to animal breeding and genetics

Viçosa, Brazil

Federal University of Viçosa

Aug. 2018 – Dec. 2018

- Software: R, BLUPF90

Linear mixed models workshop

Viçosa, Brazil

Federal University of Viçosa

Oct. 2018 – Oct. 2018

- Speakers: Dr. Alencar Xavier (Corteva, USA) and Dr. Gota Morota (Virginia Tech, USA)

V Workshop of applied statistics and biometry

Viçosa, Brazil

Federal University of Viçosa

Sept. 2018 – Sept. 2018

Generalized linear model

Viçosa, Brazil

Federal University of Viçosa

Sept. 2018 – Sept. 2018

- Speaker: Dr. Clarice Demetrio ("Luiz de Queiroz" College of Agriculture- University of São Paulo, Brazil)

Animal breeding in the genomics era: challenges and opportunities

Viçosa, Brazil

Federal University of Viçosa

Sept. 2018 – Sept. 2018

- Speaker: Dr. Mario Calus (Wageningen University, The Netherlands)

Quantitative genetics and genomics workshop

Piracicaba, Brazil

"Luiz de Queiroz" College of Agriculture- University of São Paulo

May 2018 – May 2018

- Speaker: Dr. Gota Morota, Dr. Jeremy Howard, Matt Spangler (University of Nebraska-Lincoln, USA)

Linear models I

Piracicaba, Brazil

"Luiz de Queiroz" College of Agriculture- University of São Paulo

March 2016 – June 2016

- Theory and application (R statistical software) of linear models, including derivation

Genetics of physiological processes in domestic animals

Piracicaba, Brazil

"Luiz de Queiroz" College of Agriculture- University of São Paulo

March 2016 – June 2016

Teaching preparation in animal sciences and pastures

Piracicaba, Brazil

"Luiz de Queiroz" College of Agriculture- University of São Paulo

March 2016 – June 2016

- Weekly practices of different techniques to present scientific results to an academic and lay audience

Scientific communication techniques in animal sciences and pastures I
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

March 2016 – June 2016

- Techniques to improve written communication skills

Quantitative genetics and genomics workshop
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

May 2016 – May 2016

- Speakers: Dr. Gota Morota, Matt Spangler (University of Nebraska-Lincoln, USA)

Special topics in animal breeding and genetics
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Aug. 2016 – Dec. 2016

- General topics in genetics, including DNA genotyping procedures, RNA sequencing, DNA methylation

Population genetics
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Aug. 2016 – Dec. 2016

Scientific communication techniques in animal sciences and pastures II
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Aug. 2016 – Dec. 2016

- Techniques to improve oral communication skills

Algebra and matrices
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Jan. 2016 – Jan. 2016

Probability and statistics
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Jan. 2016 – Jan. 2016

Differential calculus
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Jan. 2016 – Jan. 2016

Regression and covariance
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Aug. 2015 – Dec. 2015

- Theory and application (R statistical software) of linear regression, multiple linear regression, residual analysis and diagnostic, correlations, model selection, polynomials orthogonal

Planning and analysis of animal experiments
"Luiz de Queiroz" College of Agriculture- University of São Paulo

Piracicaba, Brazil

Aug. 2015 – Dec. 2015

- Experimental design and analysis applied to animal sciences and pastures
- SAS applied to alternative modelings

I Workshop in genetic statistics- updating in genomic analysis
Federal University of Lavras

Lavras, Brazil

2015 – 2015

- Data analysis of RNA sequencing (Dr. Fabyano Silva, Federal University of Vicosa, Brazil)
- Application of genomic selection (Dr. Marcio Balestre, Federal University of Lavras, Brazil)

Log-symmetric regression models in R workshop
XIV Brazilian School of Regression Models

Lavras, Brazil

2015 – 2015

Genomic selection applied to genetic breeding programs
Federal University of Lavras

Lavras, Brazil

2014 – 2014

Introduction to the R software
Federal University of Lavras

Lavras, Brazil

2013 – 2013

Introduction to the Bayesian Inference
XI Mineiro Meeting of Statistics

Ouro Preto, Brazil

2012 – 2012

Presentations, abstracts and other publications

Nature vs. Nurture: examining how cow behavior can change over time
Alvarenga A.B.

West Lafayette, USA

2022

- InnovatED (January 2022- Issue 3).

A genomic evaluation of genotype-by-environment interactions for foot scores in American and Australian Angus cattle
Alvarenga A.B., Retallick K., Garcia A., Oliveira H.R., Miller S.P., Byrne A., Brito L.F.

Rotterdam, The Netherlands

2022

- 12th World Congress on Genetics Applied to Livestock Production. Oral presentation- conference paper

A genetic study of temperament in American Angus heifers and cows.
Alvarenga A.B., Oliveira H.R., Miller S.P., Retallick K., Brito L.F.

Davos, Switzerland

2021

- 72nd Annual Meeting of the European Federation of Animal Sciences. Oral presentation

Genetic parameters for food allergy responses in divergently-selected pig lines

Chen Y., Oliveira H.R., Alvarenga A.B., Schinckel A., Stewart T.S., Brito L.F.

2021

- Journal of Animal Science. Poster presentation

Genomic mechanisms underlying behavioral traits across livestock species and their potential application in genomic prediction of breeding values

Brisbane, Australia (Online)

Alvarenga A.B., Oliveira H.R., Miller S.P., Lu D., Marchant J.N., Brito L.F.

2020

- 6th International Conference of Quantitative Genetics. Short oral presentation and it was selected to be played during the main program

Model development and estimation of genetic parameters for docility in American Angus cattle

Brisbane, Australia (Online)

Alvarenga A.B., Brito L.F., Oliveira H.R., Lu D., Marchant J.N., Miller S.P.

2020

- 6th International Conference of Quantitative Genetics. Poster presentation

Unravelling genomic regions associated with temperament in American Angus cattle

Brisbane, Australia (Online)

Oliveira H.R., Alvarenga A.B., Miller S.P., Schenkel F.S. Brito L.F.

2020

- 6th International Conference of Quantitative Genetics. Poster presentation

Genetic parameters for soybean allergy response in divergently selected pigs

Chen Y., Schinckel A., Stewart T., Brito L.F., Oliveira H.R., Alvarenga A.B.

2020

- Journal of Animal Science. Poster presentation

Using information from purebred and crossbred individuals into genomic prediction

Salvador, Brazil

Alvarenga A.B., Marques D.B.D., Fernandes C.G., Brito L.F., Lopes P.S., Silva F.F., Veroneze R.

2019

- XIII Brazilian Symposium of Animal Breeding. Poster presentation (Portuguese)

Genomic prediction of crossbred individuals using simulated dataset

Viçosa, Brazil

Alvarenga A.B., Fernandes C.G., Andrade M.V., Brito L.F., Silva F.F., Veroneze R.

2018

- I Symposium of Genetic and Animal Breeding. Poster presentation (Portuguese)

Circulating PGFM increases in response to oxytocin challenge from 25 to 60 days of pregnancy in dairy cows

New Orleans, USA

Drum J.N., Monteiro P.L.J., Prata A., Gennari R.S., Gamarra C.A., Brich M., Alvarenga A.B., Canavessi A.M.O., Wiltbank M., Sartori R.

2018

- 51st Annual Meeting of Society for the Study of Reproduction. Poster presentation

Bayesian methods and different π for genomic selection on residual feed intake using small training population

Piracicaba, Brazil

Alvarenga A.B., Petrini J., Cesar A.S.M., Rovadoscki G.A., Coutinho L.L. Carvalho G.G.P., Pinto L. Mourao G.B.

2017

- I Workshop on Omics Strategies Applied to Livestock Science. Poster presentation

Genome-wide association study for milk fat using principal component analysis in Holstein cows

Piracicaba, Brazil

Salvian M., Petrini J., Carrara E.R., Rovadoscki G.A., Alvarenga A.B., Coutinho L.L., Machado P.F., Wiggans G.R., Mourao G.B.

2017

- I Workshop on Omics Strategies in Livestock Science. Poster presentation

Supplementation of protein in a creep-feeding system during calving does not influence semen characteristics and testicular development in bulls of Tabapua breed

Belo Horizonte, Brazil

Carvalho L.R., Silva L.O.E, Santos A.P.C., Madureira G., Reis M.T.R., Alvarenga A.B., Marinho P.H.A., Barreto Filho J.B.

2017

- Brazilian Congress of Animal Reproduction. Poster presentation (Portuguese)

Reproductive efficiency of Nelore cows submitted to 7-d FTAI protocols initiated with estradiol benzoate or GnRH and with or without GnRH at the time of AI

Cabo de Santo Agostinho, Brazil

Consentini C.E.C., Madureira G., Motta J.C.L., Melo L.F.E., Prata A.B., Golcalves J.R.S., Monteiro Jr. P.L.J., Alvarenga A.B., Wiltbank M.C., Sartori R.

2017

- 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Daily ovarian dynamics in Nelore heifers and non-lactating multiparous cows submitted to progesterone (P4)-based FTAI protocols

Cabo de Santo Agostinho, Brazil

Motta J.C.L., Madureira G., Marchi R.D., Drum J.N., Consentini C.E.C., Prata A.B., Monteiro Jr. P.L.J., Alvarenga A.B., Wiltabank M.C., Sartori R.

2017

- 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Reproductive performance of Nelore heifers submitted to a 7-d P4-based FTAI protocol using either estradiol benzoate or GnRH at the beginning and with or without GnRH at the time of AI

Cabo de Santo Agostinho, Brazil

2017

Madureira G., Consentini C.E.C., Motta J.C.L., Prata A.B., Monteiro Jr. P.L.J., Melo L.F.E., Alvarenga A.B., Goncalves J.R.S., Wiltbank M.C., Sartori R.

- 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Changes in the profile of PGFM following an oxytocin challenge during the first 60 days of pregnancy in dairy cows

Cabo de Santo Agostinho, Brazil

2017

Drum J.N., Monteiro Jr. P.L.J., Prata A.B., Gennari R.S., Gamarra C.A., Brich M., Alvarenga A.B., Canavessi A.M.O., Wiltbank M.C., Sartori R.

- 31st Annual Meeting of Brazilian Society of Embryos Technology. Poster presentation (Portuguese)

Diferencial expression. Between animals with different fat acids in the muscle

Piracicaba, Brazil

2017

Trevisoli P.A., Cesar A.S.M, Carrara E.R., Alvarenga A.B., Silva I.S.M.E., Pampolini J., Regitano L.C.A., Mourao G.B., Coutinho L.L.

- X Scientific Symposium of Graduate Students in the CENA: New era of research, transformation, leadership and innovation. Poster presentation (Portuguese)

Novelty SNPs for feed efficiency in Santa Inês breed sheep

Jaboticabal, Brazil

2016

Alvarenga A.B., Rovadoscki G.A., Petrini J., Santos A.C.P., Coutinho L.L., Carvalho G.G.P., Pinto L., Mourao G.B.

- 1st International Meeting of Advances in Animal Science. Poster presentation

Proteic supplementation in creep-feeding system during calving period does not interferes in the sexual development of heifers of Tabapua breed

Pirassununga, Brazil

2016

Madureira G., Carvalho L.R., Silva L.O.E., Alvarenga A.B., Coelho C.F., Casagrande D.R., Barreto Filho J.B.

- VI Research Symposium and Graduate Program of Reproduction. Poster presentation (Portuguese)

Modeling equations to predict food energy values for broilers using metanalysis and Bayesian inference

Campinas, Brazil

2015

Alvarenga A.B., Lima R.R., Safadi T.

- XIV School of Regression Models. Poster presentation (Portuguese)

Modeling prediction equations for energy values of concentrated food for broilers using Bayesian approach

Lavras, Brazil

2014

Alvarenga A.B., Safadi T., Lima R.R., Mariano F.C.M.Q., Rodrigues P.B., Alvarenga R.R.

- XXVII Research Congress of Federal University of Lavras. Poster presentation (Portuguese)

Bayesian inference in the regression modeling of energetic values food for broilers

Lavras, Brazil

2014

Alvarenga A.B., Safadi T., Lima R.R., Mariano F.C.M.Q., Oliveira E.C., Alvarenga R.R.

- XXVII Research Congress of Federal University of Lavras. Poster presentation (Portuguese)

Development of broilers from 22 to 42 days of age being fed with different energetic diets

Lavras, Brazil

2014

Messias T.C., Alvarenga A.B., Nogueira A.R., Jordan F.C., Rodrigues P.B., Alvarenga R.R.

- XXVII Research Congress of Federal University of Lavras. Poster presentation (Portuguese)

Comparing different coefficients used in neural networks to predict energetic values of feed for broilers

Uberlandia, Brazil

2013

Alvarenga A.B., Mariano F.C.M.Q., Lima R.R.

- XII Mineiro Meeting of Statistics. Poster presentation (Portuguese)

Influence of number of nodes in a neural network analysis to predict energetic values of feed for broilers

Uberlandia, Brazil

2013

Mariano F.C.M.Q., Alvarenga A.B., Lima R.R.

- XII Mineiro Meeting of Statistics. Poster presentation (Portuguese)

Use of prediction equations for energetic values of concentrated food for broilers in the initial phase

Foz do Iguacu, Brazil

2013

Rodrigues P.B., Alvarenga R.R., Oliveira E.C., Mariano F.C.M.Q., Garcia Jr. A.A.P., Lima E.M.C., Alvarenga A.B., Oliveira D.H.

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- XXIII Animal Sciences Brazilian Congress. Poster awarded

Development of broilers fed with formulated meal using different calcium: phosphate ratio and supplemented with 3 and/or 6 phytase

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Nardelli N.B.S., Rodrigues P.B., Naves L.P., Lima E.M.C., Garcia Jr. A.A.P., Oliveira E.C., Cruz F.L., Alvarenga A.B.

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Evaluating different regression methods to predict energy of diets for broilers production

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Alvarenga A.B., Mariano F.C.M.Q., Lima R.R., Alvarenga R.R., Rodrigues P.B.

2012

- XXVI Research Congress of Federal University of Lavras. Poster presentation (Portuguese)