
CONTACT INFORMATION

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EDUCATION

- 2018** Master's in progress in Genetics and Animal Breeding
Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP, São Paulo, Brazil
Thesis: Epistatic interactions associated with fatty acid profile of beef from Nelore cattle.
Advisor: Fernando Sebastián Baldi Rey
Grantee of São Paulo Research Foundation – FAPESP
- 2013 - 2017** B.S., in Animal Science
Universidade Federal de Santa Catarina, UFSC, Florianópolis, Brazil
Thesis: PCR-RFLP application in the Exon 6 region of the IGF-I gene in Crioula Lageana breed.
Advisor: André Luís Ferreira Lima
- 2010 - 2012** Secondary Education
Serviço Nacional de Aprendizagem Industrial, SENAI - BRUSQUE, Brazil
- 2002 - 2010** Elementary School (1º grau).
Colégio São Luiz, Brusque, SC, Brazil
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Complementary Education

- 2019-2019** GWAS Workshop. (Credit Hours: 30h)
Virginia Polytechnic Institute and State University, USA
- 2019-2019** Special Topics in Bioinformatics: Genome Alignment. (Credit Hours: 30h)
Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP, Brazil.
- 2018 - 2018** Workshop Quantitative Genetics and Genomics. (Credit Hours: 30h).
Escola Superior de Agricultura "Luiz de Queiroz", ESALQ/USP, Brazil
- 2018-2018** Special Topics in Genome Sequencing for Genomic Studies. (Credit Hours: 20h).
Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP, Brazil.
- 2017 - 2017** Special Topics in R applied to Animal Breeding. (Credit Hours: 66h).
Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP, Brazil

2016 - 2016 Management and Use of Poultry and Mammals in Research. (Credit Hours: 17h).
Universidade Federal de Santa Catarina, UFSC, Brazil.

Professional Experience

1. Virginia Polytechnic Institute and State University, USA

2019 – Present MSc Research Visitor
Supervisor: Gota Morota

2. Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP

2018 - Present Graduate Research Assistant
Advisor: Fernando Sebastián Baldi Rey

2017 - 2017 Undergraduate Research Assistant.
Student Internship
Advisor: Fernando Sebastián Baldi Rey

3. Universidade Federal De Santa Catarina, UFSC

2017 - 2017 Administrative Assistant
Student Internship
Grantee of Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)

2016 - 2016 Scientific Research Initiation
Grantee of Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)
Advisor: André Luís Ferreira Lima.

2015 - 2016 Genetics Applied to Animal Science Student Assistant
Grantee of Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)
Advisor: André Luís Ferreira Lima.

4. Khan Academy in Portuguese Project, Lehmann Foundation

2016 – 2018 Translator, Teacher and Producer
Additional Information: Participated in the process of translation, editing and production of video-classes chemistry, biochemistry, physics and biology.

Research Projects

- 2019 - Present** An assessment of the relationship between genomic connectedness and prediction accuracy for fat composition traits in Nellore beef cattle
- 2018 - Present** Epistatic interactions associated with fatty acid profile of beef from Nelore cattle
- 2016 - Present** Genomic evaluation in commercial beef cattle population using real and simulated data. FAPESP Process:16/22751-6
- 2017- Present** Analysis copy number variation in the genome and its associations with quantitative, qualitative traits and meat fatty acid profile in Nellore cattle. Process Number 405025/2016-5. CNPq
- 2016 - 2017** Efficiency in feed conversion in pigs: Association of favorable alleles with nutritional modeling. Process Number: 102189/2017-0. CNPq
- 2015 - 2015** Study of the genetic variability of meat fatty acid profile in Nelore cattle finished in feedlot. Processo FAPESP: 11/21241-0
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Peer reviewed journal papers

Amorim, S. T.; Kluska, S. ; Berton, M. P. ; Lemos, M. V. A. ; Peripolli, E. ; Stafuzza, N. B. ; Martin, J. F. ; Alvarez, M. S. ; Gavina, B. V. ; Toro, M. A. ; Banchemo, G. ; Oliveira, P. S. ; Grigoletto, L. ; Eler, J. P. ; Baldi, F. ; Ferraz, J. B. S. . Genomic study for maternal related traits in Santa Inês sheep breed. *Livestock Science*, v. 217, p. 76-84, 2018. <http://dx.doi.org/10.1016/j.livsci.2018.09.011>

Bonamy, M. ; Kluska, S. ; Peripolli, E. ; Lemos, M. V. A. ; **Amorim, S. T.** ; Vaca, R. J. ; Lobo, R. B. ; Castro, L. M. ; Faria, C. U. ; Ferrari, F. B. ; Baldi, F. Genetic association between different criteria to define sexual precocious heifers with growth, carcass, reproductive, and feed efficiency indicator traits in Nellore cattle using genomic information.. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, v. 136, p. 15-22, 2018. <http://dx.doi.org/10.1111/jbg.12366>

Peripolli, E.; Stafuzza, N. B.; **Amorim, S. T.**; Lemos, M. V. A.; Grigoletto, L.; Kluska, S.; Ferraz, J. B. S.; Eler, J. P.; Mattos, E. C.; Baldi, F. Genome-wide scan for runs of homozygosity in composite Montana Tropical® beef cattle. *JOURNAL OF ANIMAL BREEDING AND GENETICS*, 2019. DOI: 10.1111/jbg.12428

Stivanin, T.; Maia, F. M. C.; Migliorini, E.; Kluska, S.; **Amorim, S. T.**; Lovatto, F. S.; Martins, E. N. Evaluation of selection criteria in laying quails (*Coturnix coturnix japonica*). *Livestock Research for Rural Development*, 2019.

Articles being reviewed

Feitosa, F. L. B.; Olivieri, B. F.; Lemos, M.V.A.; Berton, M. P.; Peripolli, E.; **Amorim, S.T.**; Espigolan, R.; Tonussi, R.; Kluska, S.; Magalhães, A.F.B.; Aguilar, I.; Baldi, F. Comparison between haplotype-based and individual SNP-based genomic prediction for beef fatty acid profile in Nelore cattle.

Tonussi, R.; Silva, R.M.O; Magalhães, A.F.B.; **Amorim, S.T.**; Kluska, S.; Espigolan, R.; Peripolli, E.; Olivieri, B.F.; Feitosa, F.L.B.; Lemos, M.V.A.; Berton, M.P.; Pereira, A.S.C.; Lôbo, R.B.; Aguilar, I.; Croce, F.A.; Osterstock, J.B.; Denise, S.; Lourenço, D.A.L.; Baldi, F. Accuracy of genomic breeding values and predictive ability for growth and reproductive traits in a Nellore cattle population with multiple sire mating system. **Animal**

Summary published in proceedings of conferences

1. LEITE, A. A.; **AMORIM, S. T.**; ROSA, V. L.; LEMES, M.; FRANCISCO, L.; HAUPTLI, L.; IRGANG, R.; LIMA, A. L. F. Exon IV Polymorphism of Prolactin gene on Crioulo Lageano Cattle. In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.

2. **AMORIM, S. T.**; LEITE, A. A.; LEMES, M.; FRANCISCO, L.; CHIARELLI, A. C.; PEREIRA, M. C.; DALHKE, F.; LIMA, A. L. F. Genetic monomorphism of Insulin-like Growth Hormone on Crioulo Lageano cattle (*Bos taurus*). In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.

3. ROSA, V. L.; **AMORIM, S. T.**; CHIARELLI, A. C.; LEITE, A. A.; CARVALHO, S. R. S. T.; QUADROS, S. A. F.; OLIVEIRA, P.P.; LIMA, A. L. F. Identification of polymorphisms on the IGF-I gene in Crioulo Lageano cattle (*Bos taurus*). In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.

4. DALHKE, F.; DAHMER, A. P.; OLIVEIRA, P.P.; **AMORIM, S. T.**; HAUPTLI, L.; LIMA, A. L. F. Evaluate of the influence of astaxanthin inclusion in feed for quails (*Coturnix coturnix japonica*) on performance and egg quality traits. In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. a, 2017.

5. OLIVEIRA, R. N.; MACHADO, DJONATAN; PEREIRA, M. C.; CORREA JUNIOR, A. C.; **AMORIM, S. T.**; CARVALHO, S. R. S. T.; QUADROS, S. A. F.; LIMA, A. L. F.. Association between productive performance and gastrointestinal nematodes infection in Ile de France lambs. In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.

6. WAGNER, B.; **AMORIM, S. T.**; PEREIRA, T. C.; IRGANG, R.; LIMA, A. L. F.; PEREIRA, M. C.; QUADROS, S. A. F.; CARVALHO, S. R. S. T. Beef consumers preferences: an approach on the cities of Florianópolis-SC and Botucatu-SP. In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.

7. XAVIER, A. C.; MACHADO, Djonatan; **AMORIM, S. T.**; TAVARES, S.; IRGANG, R.; HAUPTLI, L. Efficiency of the questionnaire application Classic Swine Fever Situation in terms of risks by municipality in Santa Catarina. In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.
8. **AMORIM, S. T.**; LIMA, A. L. F.; LEMES, M.; IRGANG, R.; PEREIRA, M. C.; CHIARELLI, A. C. 'Eficiência na conversão alimentar em suínos: Associação de alelos favoráveis com a modelagem nutricional'. In: Seminário de Iniciação Científica, 2017, Florianópolis. Seminário de Iniciação Científica 2017, 2017.
9. MACHADO, DJONATAN; MALLMANN, D. H.; Erpen, J.G.; **AMORIM, S. T.**; Selig, P.M.; MARIAN, P.; OLIVEIRA, P.P.; HOSRTMANN, R. Knowledge Intensive Livestock: Knowledge Management Maturity Model applied on Dairy Farming in Santa Catarina. In: 54^a Reunião Anual da SBZ, 2017, Foz do Iguaçu. A NEW VIEW OF ANIMAL SCIENCE: CHALLENGES AND PERSPECTIVES, 2017.
10. **AMORIM, S. T.**; LIMA, A. L. F.; BENTO, L. L.; LEITE, A. A.; PEREIRA, T. C.; PACHECO, L.; PEREIRA, M. C.; IRGANG, R. Isolamento e aplicação de PCR-RFLP na região correspondente ao Exon-II do gene do hormônio grelina de reprodutores suínos. In: Semana de Iniciação Científica - UFSC, 2015, FLORIANOPOLIS. 25^o Seminário de Iniciação Científica da UFSC, 2015.

Expanded Summary published in proceedings of conferences

1. **AMORIM, S. T.**; ELER, J. P.; MATOS, E.; GRIGOLETO, L.; LEMOS, M. V. A.; BALDI, F.; FERRAZ, J. B. S. Genome wide association study (GWAS) for body weight traits in Santa Inês sheep breed. In: World Congress on Genetics Applied to Livestock Production, 2018, Auckland. Proceedings of the World Congress on Genetics Applied to Livestock Production, Volume Genetic gain - In Challenging Environments, 2018. v. 11. p. 708-708.
2. BERTON, M.; **AMORIM, S. T.**; KLUSKA, S.; LEMOS, M. V. A.; OLIVIERI, B.; TONUSSI, R.; PERIPOLLI, E.; ELER, J. P.; BALDI, F.; FERRAZ, J. B. S.. Genetic parameters and genome wide association study (GWAS) for maternal related traits in Santa Inês sheep breed. In: World Congress on Genetics Applied to Livestock Production, 2018, Auckland. Proceedings of the World Congress on Genetics Applied to Livestock Production, Volume Electronic Poster Session - Species - Ovine, 2018. v. 11. p. 826-826.

Work Presentations

1. **AMORIM, S. T.**; ELER, J. P.; GRIGOLETO, L.; LEMOS, M. V. A.; BALDI, F.; FERRAZ, J. B. S. Genome wide association study (GWAS) for body weight traits in Santa Ines sheep breed. 2018. (Oral Presentation/Congress).
2. **AMORIM, S. T.**; LIMA, A. L. F.; LEMES, M.; IRGANG, R.; PEREIRA, M. C.; CHIARELLI, A. C. 'Eficiência na conversão alimentar em suínos: Associação de alelos favoráveis com a modelagem nutricional'. 2017. (Oral Presentation/Seminary).
3. **AMORIM, S. T.** Genetic monomorphism of Insulin-like Growth Hormone on Crioulo Lageano

cattle (*Bos taurus*). 2017. (Oral Presentation/Congress).

4. ROSA, V. L.; AMORIM, S. T. Identification of polymorphisms on the IGF-I gene in Crioulo Lageano cattle (*Bos taurus*). 2017. (Oral Presentation/Congress).

Participation in events

1. 24º Seminário Nacional de Criadores e Pesquisadores. 2018. (Seminary).
2. World Congress on Genetics Applied to Livestock Production. (Congress).
3. 54th Annual Meeting of the Brazilian Society of Animal Science. 2017. (Congress).
4. The Buffalo meat. 2017. (Other).
5. Ambient and Thermal Comfort in Pigs. 2017. (Other).
6. Evaluation of carcass and quality of sheep meat 2017. (Seminary).
7. Brucellosis and Bovine Tuberculosis. 2017. (Other).
8. Linear classification for types in cattle. 2017. (Other).
9. Productive efficiency in beef cattle for meat quality. 2017. (Other).
10. Avian physiology, intestinal microbiota and its effects on the physiology of birds. 2017. (Other).
11. I Porcada da Zootecnia. 2017. (Other).
12. Handling of Otters in Captivity. 2017. (Other).
13. Meat inspection and quality. 2017. (Other).
14. Short Course: Ice Cream Production. 2017. (Other).
15. Nutrition and Disease Control in PET. 2017. (Other).
16. Ovinocultura: Do Pasto ao Prato. 2017. (Other).
17. A world tour of pork meat. 2017. (Other).
18. Use of Genomics to improve animal performance. 2017. (Other).
19. Workshop: Quality Brands in Meats - Red Cytod Marcarne. 2017. (Workshop).
20. XXVI Brazilian Congress of Animal Science. 2016. (Congress).

21. Características raciais e julgamento de zebuínos. 2015. (Other).

22. Semana de Iniciação Científica - UFSC. Uso de PCR-RFLP na região correspondente ao Exon-I e Intron-I do gene da grelina suína. 2015. (Congress).

23. Contexto atual, novos desafios e perspectivas para a agricultura familiar em Santa Catarina. 2014. (Seminary).

Events Organization

1. **AMORIM, S. T.**; PEREIRA, T. C.; LIMA, A. L. F.; LEITE, A. A. I-SIAZ SEMANA ACADÊMICA INTEGRADA DE AGRONOMIA E ZOOTECNIA. 2015. (Other).

2. **AMORIM, S. T.** XI Congresso Internacional da APCG (Associação de Pesquisadores em Crítica Genética) A crítica genética na América do Sul: pesquisas e perspectivas. 2013. (Congress).