
Paulínia, SP - Brazil

ALEXANDRE H. SOUZA
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PROFESSIONAL EXPERIENCE:

TECHNICAL MANAGER (RUMINANTS) – CEVA, BRAZIL

Ceva Animal Health, Headquarters Brazil/ Paulinia-SP, Brazil.

Period: May 2017 to today.

Main responsibilities: explore novel technologies, technical support and training in cattle management & reproduction, experimental design and data analysis/R&D department, extension & training to key dairy and beef accounts worldwide.

CEVA R&D & SCIENTIFIC/TECHNICAL DEVELOPMENT – CEVA, FRANCE

Ceva Animal Health, Headquarters/Libourne, France – Based in Paulinia-SP, Brazil.

Period: January 2015 to today.

Main responsibilities: Global technical support and training in cattle management & reproduction, explore novel technologies, experimental design and data analysis/R&D department, extension & training to key dairy and beef accounts worldwide.

FACULTY/DAIRY RESEARCH/EXTENSION – UNIVERSITY OF CALIFORNIA DAVIS – CA, USA

University of California, Tulare, USA – Period: September 2013 to January 2015

Main responsibilities: dairy faculty position with appointment divided on 50% research and 50% extension in dairy production and management.

CORPORATE TECH. MANAGER OF REPRODUCTION IN CATTLE – CEVA, FRANCE

Ceva Animal Health, Headquarters/Libourne, France – Period: December, 2011 to September 2013

Main responsibilities: Global technical support and training in cattle reproduction, experimental design and data analysis/R&D department, extension and training to key accounts worldwide.

ACCELERATED GENETICS/WORLDWIDE SIRES JOINT VENTURE WITH SELECT SIRES – BARABOO, WI, USA

Reproduction Manager – Period: June, 2007 to December 2011

Main responsibilities: lead the ReproConnections reproductive support team and responsible for calculating the Accelerated Conception Estimate (ACE), an index to estimate field fertility of breeding sires. The ReproConnections program is a proactive team-based approach designed to improve reproduction performance in dairy herds worldwide. It includes presentations & training in several topics of reproduction, research, technical articles, and reproductive troubleshooting in herds in US (mostly Midwest, Southern, and Western US) and overseas through World Wide Sires (mostly Europe, Middle East, Asia, Central/South America). Participation in committees: NAAB, representing Accelerated Genetics in the NAAB fertility committee; Accelerated Genetics: member of the reproduction and research committee.

EDUCATION:

POST-DOC BOVINE REPRODUCTIVE BIOTECHNOLOGY, UNIVERSITY OF SAO PAULO – SP/Brazil

Animal Reproduction Department – FMVZ/VRA

Period: January, 2017 to January 2019 (ongoing).

Advisor: Dr. Pietro Sampaio Baruselli

Main focus: Develop a novel technique to transfer bovine embryos through ultrasound directly into the tip of the uterine horns.

POST-DOC NUTRITION & REPRODUCTION IN DAIRY COWS – WI, USA

Dairy Science Department – Period: August, 2010 to July, 2012

Advisor: Dr. Randy Shaver

Main focus: Determine the impact of specific nutritional components on reproductive performance of lactating dairy cows.

PhD, UNIVERSITY OF SAO PAULO – SP/Brazil

& Sandwich period at University of Wisconsin

DOCTOR OF PHILOSOPHY– June, 2005 to March, 2008

Animal Reproduction Department – Emphasis: Reproductive management in large dairy herds.

Advisor: Dr. Pietro Sampaio Baruselli

Thesis: Timed Artificial Insemination in High Producing Cows.

MS, UNIVERSITY OF WISCONSIN – WI/USA

MASTER OF SCIENCE – September, 2003 to June, 2005

Dairy Science Department – Emphasis: Reproductive physiology of dairy cattle and reproductive management in large dairy herds.

Advisor: Dr. Milo Wiltbank

Thesis: Studies on increasing circulating estradiol during the Ovsynch protocol in high producing lactating dairy cows.

DVM, SÃO PAULO STATE UNIVERSITY- UNESP, BOTUCATU, SP, BRAZIL

DOCTOR OF VETERINARY MEDICINE – January, 1998 to December, 2002

School of Veterinary Medicine - Emphasis: Large animal clinics, production, and reproduction.

Thesis: Dairy cattle reproductive management. Last school-year internships performed in main dairy areas in Brazil (Parana, Goias, and Minas Gerais State) and USA (Wisconsin).

AWARDS AND FELLOWSHIPS:

- Ranked 1st place at National admission exam at vet school, Unesp-Botucatu, Brazil.
- Fellowship University of Wisconsin during MS-Dairy Science at UW-Madison, USA.
- Fellowship from FAPESP during PhD-Animal Reproduction at USP University, Brazil and sandwich program with UW-Madison, USA.
- Fellowship from University of Wisconsin during Post-Doc in Reproduction Physiology/Nutrition at UW-Madison.
- Fellowship HRAE-CNPQ Brazil 2014.

LANGUAGE SKILLS (FLUENT):

1. Portuguese
2. English
3. Spanish

PUBLICATIONS:

PATENTS:

1. New catheter for embryo collection in cattle. SOUZA, A.H. 2003. Patent number MU8300023-2 (Brazil).
2. Portable semen thawing unit (water-thawing). SOUZA, A.H.; SOUZA, F.E.; Guenther, J.N.; Wiltbank, J.; Wiltbank, M.C. 2011 (USA).
3. Method to superovulate cattle with minimum number of managements utilizing a recombinant-bovine FSH. SOUZA, A.H.; ISAKA, N.; CARRIE, A.; THIBAUD, D. 2012 (France).

BOOKS:

1. Translation (to Portuguese): Dairy Cattle Breeding, Nutrition and Genetics. SOUZA, A.H. 2005. Dairy Updates Series – The Babcock Institute - University of Wisconsin; Edited by Prof. Dr. Michel Wattiaux. <http://babcock.wisc.edu/?q=pt-br/node/124>
2. Reproduction in Domestic Animals. Vol. 43, Supplement 3, Budapest 2008. WILTBANK, M.C.; CUNHA, A. P. ; SOUZA, A. H. ; LOPEZ, H.; SARTORI, R.; GUMEN, A.; PICCINATO, C.; SANGSRITAVONG, S. Book of Abstracts of the 16th International Congress on Animal Reproduction, pg. 20, Budapest, Hungary 2008.
3. Managing the dominant follicle in high-producing dairy cows. WILTBANK, M. C. ; SARTORI, R. ; VASCONCELOS, J. L. M. ; NASCIMENTO, A. B. ; SOUZA, A. H. ; CUNHA, A. P. ; GUMEN, A. ; GUENTHER, J. N. ; LOPEZ, H. ; PURSLEY, J. R. . In: Smith, Lucy, Pate and Spencer. (Org.). Reproduction in Domestic Ruminants VII. 1 ed. Nottingham: Nottingham University Press, 2010, v. 1, p. 231-245.

SOFTWARE/COMPUTER PROGRAMS:

1. Development & collaborate with HerdCalc App – Ceva Animal Health, France.
2. Developed new graphs and reports for reproductive evaluation in dairy farms. SOFTWARE for DAIRY HERDS - AGENDA®; Clínica do Leite, ESALQ (www.clinicadoleite.com.br); Sao Paulo State University, Sao Paulo-SP/Brazil - 2007.
3. Developed the GLOBAL-AGCONNECTIONS® automated web-based reproductive reports for dairy herds. SOUZA, A.H.; RIVERA, H.; ELLIOTT, D. Accelerated Genetics, Baraboo-WI/USA - 2010. Available at <http://www.gac-software.com/>

FULL SCIENTIFIC MANUSCRIPTS:

1. The effect of Prostaglandin (PGF₂) injection in the early post partum period on the incidence of retained placenta in dairy cows. 2002. R.M. SANTOS, J.L.M. VASCONCELOS, A.H. SOUZA, M. MENEGHETTI, N. FERREIRA JR. *Arq. Bras. Med. Vet. Zootec.* v.54 n.1 Belo Horizonte.
2. Fertilization rate and embryo quality in superovulated Holstein heifers artificially inseminated with X-sorted or unsorted sperm. SARTORI, R. ; SOUZA, A. H.; GUENTHER, J. N. ; CARAVIELLO, D.; GEIGER, L. N.; SCHENK, J.; WILTBANK, M. C. *Animal Reproduction*, v. 1, n. 1, p. 86-90, 2004.
3. Comparison of artificial insemination (AI) versus embryo transfer (ET) in lactating dairy cows. SARTORI, R., A. GÜMEN, J. N. GUENTHER, A. H. SOUZA, D. Z. CARAVIELLO, AND M. C. WILTBANK. 2006. *Theriogenology* 65:1311-1321.
4. Profiles of circulating estradiol after different estrogen treatments in lactating dairy cows. SOUZA, A.H. ; CUNHA, A. P. ; CARAVIELLO, D. Z. ; WILTBANK, M. C. 2006. *Animal Reproduction*, v. 2, p. 224-232.
5. Impacto da IATF na eficiência reprodutiva em bovinos de corte. BARUSELLI, P. S.; AYRES, H; SOUZA, A.H.; MARTINS, C.M.; GIMENES, L.U.; TORRES JUNIOR, J.R.S. In: 2º Simpósio Internacional de Reprodução Animal Aplicada, 2006, Londrina, PR. 2006. v. 1. p. 113-132.
6. Modified E-test by the addition of EDTA-Tris and dimethyl sulfoxide-DMSO on the potentiation of the effects of some antimicrobials in *Pseudomonas aeruginosa* strains isolated from bovine mastitis. 2004. RIBEIRO, M.G., SIQUEIRA, AMANDA KELLER, LANGONI, H., PAES, A.C., VICTORIA, CASSIANO, SILVA, A.V., LISTONI, F.J. P, SOUZA, A.H. *Arquivo Brasileiro de Medicina Veterinária e Zootecnia*. Belo Horizonte, MG.
7. Improving the Ovsynch Protocol in Lactating Dairy Cattle. MENDEZ, J. B.; SOUZA, A. H.; WILTBANK, M. C. *SRP - Biology Journal*, Madison - WI, EUA, p. 17 - 22, 20 set. 2004.
8. Protocolos de superovulação com inseminação artificial em tempo fixo em *Bos Indicus*. BARUSELLI, P. S.; MARTINS, C. M.; SA-FILHO, M. F.; GIMENES, L. U.; SOUZA, A. H.; AYRES, H.; TORRES-JUNIOR, J. R. S.; BO, G. A. *Acta Scientiae Veterinariae*, v. 34, p. 31-37, 2006.
9. Systematic Reproductive Management in Dairy Herds. 2007. BÓ, G.A.; CUTAIA, L.E.; SOUZA, A.H.; BARUSELLI, P.S. *Proceedings of the New Zealand Veterinary Association Conference*, Christchurch - New Zealand.
10. Comparação entre a observação de cio e o uso do medidor de atividade na taxa de detecção de cio em vacas de leite de alta produção – resultados preliminares. 2007. JOSÉ FERNANDO GUARÍN, ANA CAROLINA DE O. RODRIGUES, ALEXANDRE HENRYLI DE SOUZA, EDWIN MOISES MARCOS ORTEGA, PAULO FERNANDO MACHADO. In: 44º Reunião Anual da Sociedade Brasileira de Zootecnia, Jaboticabal-SP, 24-27/07/2007 - Brasil.
11. Effects of intravenous infusion of tallow emulsion on responses to glucose and insulin challenges of Holstein cows. J.A.A. PIRES, A.H. SOUZA, R.R. GRUMMER. 2007. *J. Dairy Sci.* 90:2735-2744.
12. Sêmen sexado: inseminação artificial e transferência de embriões. 2007. PIETRO SAMPAIO BARUSELLI, ALEXANDRE HÊNRYLI DE SOUZA, CLAUDINEY DE MELO MARTINS, LINDSAY UNNO GIMENES, JOSÉ NÉLIO DE SOUSA SALES, ANDRÉ FURUGEN CESAR DE ANDRADE, CLÁUDIA FERNANDES RAPHAEL, RUBENS PAES DE ARRUDA. *Rev Bras Reprod Anim*, Belo Horizonte, v.31, n.3 p.374-381. Article available at: www.cbpa.org.br.
13. Effect of estradiol-17 β supplementation before the last GnRH of the Ovsynch protocol in high producing dairy cows. 2007. A.H. SOUZA, A. GÜMEN, E.P.B. SILVA, A.P. CUNHA, J.N. GUENTHER, C. M. PETO, D. Z. CARAVIELLO AND M.C. WILTBANK. 2007. *J. Dairy. Sci.* 90:4623-4634.

14. Effect of early luteolysis in progesterone-based timed AI protocols in *Bos indicus*, *Bos indicus* x *Bos taurus*, and *Bos taurus* heifers. J.B.P. CARVALHO, N.A.T. CARVALHO, E.L. REIS, M. NICHI, A.H. SOUZA, P.S. BARUSELLI. 2007. *Theriogenology* 69:167-175.
15. Follicle deviation and ovulatory capacity in *Bos indicus* heifers. LINDSAY U. GIMENES; MANOEL F. SÁ FILHO; NELCIO A. T. CARVALHO; JOSÉ R. S. TORRES-JÚNIOR; ALEXANDRE H. SOUZA; ED H. MADUREIRA; LUZIA A. TRINCA; EVANDRO S. SARTORELLI; CIRO M. BARROS; JOÃO B. P. CARVALHO; REUBEN J. MAPLETOFT; PIETRO S. BARUSELLI. *Theriogenology*, v. 69, p. 852-858, 2008.
16. Effect of timing of estradiol benzoate administration upon synchronization of ovulation in suckling Nelore cows (*Bos indicus*) treated with a progesterone-releasing intravaginal device. H. AYRES, C.M. MARTINS, R.M. FERREIRA, J.E. MELLO, J.H. DOMINGUEZ, A.H. SOUZA, R. VALENTIN, I.C.C. SANTOS AND P.S. BARUSELLI. *Animal Reproduction Science*, v. 109, p. 77-87, 2008.
17. Effect of semen source and dose of FSH on superovulatory response and embryo production in Holstein heifers. 2007. SOUZA, A. H.; SARTORI FILHO, R. ; GUENTHER, J. N. ; CARAVIELLO, D.; MONSON, R.; WILTBANK, M. C. 2007. *Animal Reproduction*, v. 4, p. 70-76, 2007.
18. A new presynchronization system (Double-Ovsynch) increases fertility at first postpartum timed AI in lactating dairy cows. SOUZA, A.H.; AYRES, H.; FERREIRA, R.M.; WILTBANK, M.C. *Theriogenology*, v.70, p. 208-215, 2008.
19. Fixed-time artificial insemination and embryo transfer in *Bos indicus* cattle. BARUSELLI, P. S.; SALES, J.N.S.; CREPALDI, G.A.; FERREIRA, R.M.; JACOMINI, J.O.; SOUZA, A.H.; BÓ, G.A. In: XIV World Brahman Congress, Fort Worth, Texas, USA. XIV World Brahman Congress, 2008. v. 1.
20. Effect of timing of estradiol benzoate administration upon synchronization of ovulation in suckling Nelore cows (*Bos indicus*) treated with progesterone-releasing intravaginal device. AYRES, H.A.; MARTINS, C.M.; FERREIRA, R.M.; MELLO, J.E.; DOMINGUEZ, J.H.; SOUZA, A.H.; VALENTIN, R.; SANTOS, I.C.C.; BARUSELLI, P.S. *Animal Reproduction Science* 109:77-87, 2008.
21. Comparison of gonadorelin products in lactating dairy cows: efficacy based on induction of ovulation of an accessory follicle and circulating luteinizing hormone profiles. SOUZA, A.H.; CUNHA, A.P.; SILVA, E. P. B; GUMEN, A.; AYRES, H.; GUENTHER, J.N.; WILTBANK, M.C. *Theriogenology* 72(2):271-279, 2009.
22. Effects of equine gonadotropin and type of ovulatory stimulus (GnRH or ECP) on progesterone-based timed AI protocols in dairy cows. SOUZA, A.H.; VIECHNIESKI, S.; LIMA, F.A.; SILVA, F.F.; ARAUJO, R.; BO, G.A.; WILTBANK, M.C.; BARUSELLI, P.S. *Theriogenology* 72(1):10-21, 2009.
23. Effects of additional prostaglandin F2 α and estradiol-17 β during Ovsynch in lactating dairy cows. BRUSVEEN, D.; SOUZA, A. H.; WILTBANK, M. C. *Journal of Dairy Science* 92(4):1412-1422, 2009.
24. Effect of fixed time embryo transfer on reproductive efficiency in high-producing repeat breeder Holstein cows. RODRIGUES, C.A.; TEIXEIRA, A.A.; FERREIRA, R.M.; AYRES, H.; MANCILHA, R.F.; SOUZA, A.H.; BARUSELLI, P.S. *Animal Reproduction Science* 118(2):110-117, 2010.
25. In vitro and in vivo analysis of fatty acid effects on metabolism of 17 β -estradiol and progesterone in dairy cows. PICCINATO, C.A.; SARTORI, R.; SANGSRITAVONG, S.; SOUZA, A. H.; GRUMMER, R. R.; LUCHINI, D.; AND M.C. WILTBANK. *Journal of Dairy Science* 93:1934-1943, 2010.
26. Ultrasound evaluation of endometrial thickness near timed AI as a predictor of fertility in high producing dairy cows. A.H. SOUZA, E.P.B. SILVA, A.P. CUNHA, A. GÜMEN, H. AYRES, D. J. BRUSVEEN, J.N. GUENTHER, AND M.C. WILTBANK. *Theriogenology* 75:722-733, 2011.

27. Estrategias del uso eficiente de semen sexado en bovinos. BARUSELLI, P.S.; SA FILHO, M.F.; SALES, J.N.S.; CREPALDI, G.A.; SOUZA, A.H.; MARTINS, C.M.; SALA, R.V.; NEVES, K.A.L. *Rev Cient Assoc Peruana Reprod Anim*, 1:14-25, 2011.
28. Timing of insemination and fertility in dairy and beef cattle receiving timed artificial insemination using sex sorted semen. SALES, J.N.S.; NEVES, K.A.L.; SOUZA, A.H.; CREPALDI, G.A.; SALA, R.V.; FOSADO M.; CAMPOS FILHO E.P.; FARIA M; SÁ FILHO, M.F.; BARUSELLI, P.S. *Theriogenology*, 76:427:435, 2011.
29. Timed AI protocols using eCG instead of FSH are more efficient to stimulate follicular growth and conception rates in suckled-anestrous Nelore beef cows. SALES, J.N.S.; CREPALDI, G.A.; GIROTTI, R.W.; SOUZA, A.H.; BARUSELLI, P.S. *Animal Reproduction Science* 124:12-18, 2011.
30. Actualización sobre protocolos de IATF en bovinos de leche. BÓ, G.A.; CUTAIA, L.E.; SOUZA, A.H.; BARUSELLI, P.S. 2011. *Proceedings: Biotecnologia da Reprodução em Bovinos – 3º Simpósio Internacional de Reprodução Animal Aplicada, Londrina-PR, Brazil*, 95-110.
31. Use of Double-Ovsynch to improve reproductive efficiency. WILTBANK, M. C.; SOUZA, A.H.; CUNHA, A.P.; AYRES, H.; SARTORI, R.; GIORDANO, J.O.; FRICKE, P. M.; et al. *Dairy Cattle Reproductive Conference: St. Paul, MN*; p. 67-72, 2010.
32. Presynchronization with Double-Ovsynch improves fertility at first postpartum artificial insemination in lactating dairy cows. HERLIHY, M.M.; GIORDANO, J.O.; SOUZA, A.H.; AYRES, H.; FERREIRA, R.M.; KESKIN, A.; NASCIMENTO, A.B.; GUENTHER, J.N.; GASKA, J.M.; KACUBA, S.J.; CROWE, M.A.; BUTLER, S.T.; WILTBANK, M.C. *Journal of Dairy Science* 95:1-12, 2012.
33. Managing the dominant follicle in high-producing dairy cows. WILTBANK, M.C.; SARTORI, R.; VASCONCELOS, J.L.; NASCIMENTO, A.B.; SOUZA, A.H.; CUNHA, A.P.; GUMEN, A.; SANGSRITAVONG, S.; GUENTHER, J.N.; LOPEZ, H.; PURSLEY, J.R. *Society of Reproduction and Fertility Supplement* 67:231-45, 2010.
34. Positive and negative effects of progesterone during timed AI protocols in lactating dairy cattle. WILTBANK, M.C.; SOUZA, A.H.; GIORDANO, J.O.; NASCIMENTO, A.B.; VASCONCELOS, J.M.; PEREIRA, M.H.C.; FRICKE, P.M.; SURJUS, R.S.; ZINSLY, F.C.S.; CARVALHO, P.D.; BENDER, R.W.; SARTORI, R. *Animal Reproduction*, 9:231-241, 2012.
35. Improving fertility to timed artificial insemination by manipulation of circulating progesterone concentrations in lactating dairy cattle. WILTBANK, M. C.; SOUZA, A. H.; CARVALHO, P. D.; BENDER, R. W.; AND NASCIMENTO, A. B. *Reproduction Fertility and Development* 24:238-243, 2012.
36. Managing the dominant follicle in lactating dairy cows. WILTBANK, M. C., SARTORI, R., HERLIHY, M. M., VASCONCELOS, J. L., NASCIMENTO, A. B., SOUZA, A. H., AYRES, H., CUNHA, A. P., KESKIN, A., GUENTHER, J. N., AND GUMEN, A. *Theriogenology* 76:1568-1582, 2011.
37. Effects of treatment with human chorionic gonadotrophin or intravaginal progesterone-releasing device after AI on circulating progesterone concentrations in lactating dairy cows. NASCIMENTO, A.B.; SOUZA, A.H.; GUENTHER, J.N.; DALLA-COSTA, F.P.; SARTORI, R.; WILTBANK, M.C. *Reproduction, Fertility and Development* 25(5):818-824, 2012.
38. Effect of treatment with human Chorionic Gonadotropin (hCG) on Day 5 after timed artificial insemination on fertility of lactating dairy cows. NASCIMENTO, A.B.; BENDER, R.W.; SOUZA, A.H.; AYRES, H.; ARAUJO, R.R.; GUENTHER, J.N.; SARTORI, R.; WILTBANK, M.C. *Journal of Dairy Science* 96:2873-2882, 2013.

39. Produção e metabolismo da progesterona e seu papel antes, durante e depois da inseminação artificial influenciando a fertilidade de vacas leiteiras de alta produção. NASCIMENTO, A.B.; SOUZA, A.H.; SARTORI, R.; WILTBANK, M.C. *Acta Scientiae Veterinariae*, 2013. 41: 1130.
40. Comparison of two intravaginal progesterone releasing devices (PRID-Delta vs CIDR) in dairy cows: blood progesterone profile and field fertility. VAN WERVEN, WALDECK, F.; SOUZA, A.H.; FLOCH, S.; ENGLEBIENNE, M. *Animal Reproduction Science* 2013 (in press).
41. Lack of complete regression of the Day 5 corpus luteum after one or two doses of PGF_{2α} in non-lactating Holstein cows. NASCIMENTO, A.B.; SOUZA, A.H.; KESKIN, A.; SARTORI, R.; WILTBANK, M.C. *Theriogenology* 81:389-395, 2014.
42. Relationships between fertility and postpartum changes in body condition and body weight in lactating dairy cows. P.D. CARVALHO, A.H. SOUZA, M.C. AMUNDSON, K.S. HACKBART, M.J. FUENZALIDA, M.M. HERLIHY, H. AYRES, A.R. DRESCH, L.M. VIEIRA, J.N. GUENTHER, R.R. GRUMMER, P.M. FRICKE, R.D. SHAVER, M.C. WILTBANK. *Journal of Dairy Science*, 97:3666-3683.
43. Relationship between circulating anti-Müllerian hormone (AMH) and superovulatory response of high-producing dairy cows. A.H. SOUZA; P.D. CARVALHO; A.E. ROZNER; L.M. VIEIRA; K.S. HACKBART; R.W. BENDER; A.R. DRESCH; J.P. VERSTEGEN; R.D. SHAVER; M.C. WILTBANK. *Journal of Dairy Science*, 98:169-178, 2015.
44. Effects of deep-horn AI on fertilization and embryo production in superovulated cows and heifers. CARVALHO, P.D.; SOUZA, A.H.; SARTORI, R.; HACKBART, K.S.; DRESCH, A.R.; VIEIRA, L.M.; BARUSELLI, P.S.; GUENTHER, J.N.; FRICKE, P.M.; SHAVER, R.D.; WILTBANK, M.C.; SHAVER, R.D. *Theriogenology* 80:1074-1081, 2013.
45. Effect of Maternal Methionine Supplementation on the Transcriptome of Bovine Preimplantation Embryos. PEÑAGARICANO, F.; SOUZA, A.H.; CARVALHO, P.D.; DRIVER, A.M.; GAMBRA, R.; KROPP, J.; HACKBART, K.S.; LUCCHINI, D.; SHAVER, R.D.; WILTBANK, M.C.; KHATIB, H. *PloS one* 8(8): e72302, 2013.
46. Effect of different doses of equine chorionic gonadotropin on follicular and luteal dynamics and P/AI of high-producing Holstein cows. FERREIRA, R.M.; AYRES, H.; SALES, J.N.S.; SOUZA, A.H.; RODRIGUES, C.A.; BARUSELLI, P.S. *Animal Reproduction Science* 140:26-33, 2013.
47. Programas de sincronización para vacas lecheras de alta producción. SOUZA, A.H. XVIII Congreso Internacional Anembe de Medicina Bovina, Spain, p134-141, 24-25 of February 2013.
48. Uso de semen sexado en explotaciones de ganado lechero y de carne. SOUZA, A.H. XVIII Congreso Internacional Anembe de Medicina Bovina, Spain, p134-141, 24-25 of February 2013.
49. Donor category and seasonal climate associated with embryo production and survival in multiple ovulation and embryo transfer programs in Holstein cattle. L.M. VIEIRA; C.A. RODRIGUES; M.F. MENDANHA; M.F. SÁ FILHO; J.N.S. SALES; A.H. SOUZA; J.E.P. SANTOS; P.S. BARUSELLI. *Theriogenology* 82:204-212, 2014.
50. The physiology and impact on fertility of the period of proestrus in lactating dairy cows. M.C. WILTBANK; G.M. BAEZ; J.L.M. VASCONCELOS; M. PEREIRA; A.H. SOUZA; R. SARTORI; J.R. PURSLEY. *Animal Reproduction* 11:225-236, 2014.
51. Effect of uterine environment on embryo production and fertility in cows. A.H. SOUZA; C.D. NARCISO; E.O.S. BATISTA; P.D. CARVALHO; M.C. WILTBANK. *Animal Reproduction* 11:159-167, 2014.

52. Effects of energy and protein nutrition in the dam on embryonic development. M.C. Wiltbank; A. Garcia-Guerra; P.D. Carvalho; K.S. Hackbart; R.W. Bender; A.H. Souza; M.Z. Toledo; G.M. Baez; R.S. Surjus; R. Sartori. *Animal Reproduction* 11:168-182, 2014.
53. Use of a single injection of long-acting recombinant bovine FSH to superovulate Holstein heifers. CARVALHO, P.D.; HACKBART, K.S.; BENDER, R.W.; DRESCH, A.R.; SANDOVAL, G.B.; GUENTHER, J.N.; SOUZA, A.H.; FRICKE, P.M. *Theriogenology* 82:481-489, 2014.
54. Physiological and practical effects of progesterone on reproduction in dairy cattle. WILTBANK. M.C.; SOUZA, A.H.; CARVALHO, P.D.; CUNHA, A. P.; GIORDANO, J.O.; FRICKE, P.M.; BAEZ, G.M.; DISKIN, M.G. *Animal* 1-12, 2014.
55. Carvalho, P.D., Souza, A.H., Amundson, M.C., Hackbart, K.S., Fuenzalida, M.J., Herlihy, M.M., Ayres, H., Dresch, A.R., Vieira, L.M., Guenther, J.N. and Grummer, R.R., 2014. Relationships between fertility and postpartum changes in body condition and body weight in lactating dairy cows. *Journal of dairy science*, 97(6), pp.3666-3683.
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COMMITTEE WORK:

1. Offer Conception Committee – CEVA Sante Animale, 2014 to today.
2. NAAB fertility committee on behalf of Accelerated Genetics, 2009-2011, USA
3. Reproductive committee, Accelerated Genetics, 2009-2011, USA
4. Scientific committee, Accelerated Genetics, 2009-2011, USA
5. CONAPEC Jr. Unesp-Botucatu, director dairy cattle, 2000-2001

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1. Dairy Science Department Honorary Fellow – University of Wisconsin, Madison - USA
2. American Dairy Science Association, ADSA/USA
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5. Society of embryo technology, SBTE/Brazil
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