

HECTOR NAVA TRUJILLO, DVM, MSc. - CURRICULUM VITAE

Animal Science Graduate Student, Rivera Lab.
Division of Animal Sciences, University of Missouri, Columbia MO, USA

[ORCID: 0000-0001-6780-4909](https://orcid.org/0000-0001-6780-4909)

[Google Scholar](#)
[ResearchGate](#)

Email: hn4qn@umsystem.edu

EDUCATION

- PhD in Animal Sciences (Developmental Epigenetics)
Adviser: Dr. Rocio Melissa Rivera, Laboratory of Developmental Epigenetics, Division of Animal Sciences, University of Missouri, Columbia, MO, USA
Date: Jun-2022-Present
Dissertation title: Understanding the consequence of loss-of-imprinting in bovine fetal development and its relationship to *in vitro* embryo production.
- Master of Science in Animal Production, 2012
Facultad de Agronomía, Universidad del Zulia, Maracaibo-Venezuela.
Thesis: Relationship between chromatin integrity and biometric characteristics of the sperm head in cryopreserved semen from Brahman Bulls
- Specialist in Bovine Reproduction, 2009
Facultad de Ciencias Veterinarias, Universidad del Zulia, Maracaibo-Venezuela
- Doctor in Veterinary Medicine (DVM), 2002
Facultad de Ciencias Veterinarias, Universidad del Zulia, Maracaibo-Venezuela.

HONORS, RECOGNITIONS AND AWARDS

2024 Peter W. Farin Trainee Travel Scholarship (IETS)
2022 University of Missouri Graduate School “Robert E. Waterston Doctoral Fellowship”
2022 Burroughs Wellcome Travel Fellowship (SSR)
2021 Researcher Stimulus Program Award, Universidad de los Andes, Mérida-Venezuela.
2019. Researcher Stimulus Program Award, Universidad de los Andes, Mérida-Venezuela.

SOCIETY MEMBERSHIPS

Latin American Association of Animal Production (ALPA)
Society for the Study of Reproduction (SSR)
American Embryo Transfer Association (AETA)
Society for Theriogenology
International Embryo Transfer Society (IETS)

VOLUNTEER

Society for the Study of Reproduction 55th Annual Meeting, Spokane, WA, USA

PREVIOUS EMPLOYMENT

- Assistant professor – Feb 2019-Jun 2022
IIAP-FCFA, Universidad de los Andes, Mérida, Venezuela
<http://www.ula.ve/ciencias-forestales-ambientales/iiap/prof-hector-nava-trujillo/>
- Instructor professor – Jan 2017-Feb 2019
IIAP-FCFA, Universidad de los Andes, Mérida, Venezuela
<http://www.ula.ve/ciencias-forestales-ambientales/iiap/prof-hector-nava-trujillo/>
- Assistant manager
La Rosita Farm – January 2009-December 2016
El Guayabo, Zulia-Venezuela
- Instructor professor – May 2005-December 2008
Universidad del Zulia, Department of Animal Biology, School of Veterinary Medicine
Maracaibo, Venezuela.

TEACHING

As Universidad de los Andes (Venezuela) faculty (2017-2022)

- Instructor/Class coordinator -Reproductive physiology in bovines. 2019-2022.
- Instructor - Grass management. 2019-2022.
- Instructor - Agroforestry. 2017-2022.

As Guest Lecturer

- Cattle production system in Venezuela (one lecture). Global Animal Agriculture (AnSci 2110) University of Missouri, May 2024.
- Bull reproductive physiology (one lecture). Graduate program in animal reproduction (Master of Science). College of Veterinary Medicine, Universidad del Zulia, Maracaibo, Zulia, Venezuela. June 2018.
- Physiology and endocrinology of estrus cycle (one lecture). Graduate program in animal reproduction (Master of Science). College of Veterinary Medicine, Universidad del Zulia, Maracaibo, Zulia, Venezuela. March 2018.
- Puberty in bovines (one lecture). Graduate program in bovine reproduction (Specialization). College of Veterinary Medicine, Universidad del Zulia, Maracaibo, Zulia, Venezuela. June 2017
- Spermatogenesis and sperm quality evaluation (one lecture). Graduate program in animal reproduction (Master of Science). College of Veterinary Medicine, Universidad del Zulia, Maracaibo, Zulia, Venezuela. October 2016

SERVICE

Department service

Coordinator of Research in Animal Production (IIAP-FCFA, Universidad de los Andes, Merida, Venezuela) - October 2021-2022

Editorial

Editor-in-Chief – Journal of Veterinary Andrology ISSN 2542-3045. September 2016-2021
http://cesica.org/publicaciones/index.php/journal_veterinary_andrology

Manuscript Reviewer

Revista Científica FCV-LUZ

Animal Biotechnology

Biotechnic and Histochemistry

Agronomy Research

Biotechnic and Histochemistry

Reproduction, Fertility and Development

Scientific reports

Publons profile: <https://www.webofscience.com/wos/author/record/1242326>

PUBLICATIONS

****Corresponding author***

Reviews in journals and books:

1. **Nava-Trujillo H**, Donnelly C.G, Rivera RM*. Abnormal offspring syndrome. Book Chapter: Biotechnologies applied to animal reproduction. Editors: Gardon Juan Carlos and Katy Satue. Submitted.
2. **Nava-Trujillo H**, Martínez Bello D, Rivera RM*. **2023**. Abnormal calf syndrome. Proceedings of 2023 AETA and CETA/ACTE Joint Convention. Orlando-Florida, US.
3. **Nava-Trujillo H**, Rivera RM*. **2023**. Large offspring syndrome in ruminants: current status and prediction during pregnancy. *Animal: The international journal of animal biosciences*. 17(Supp 1):10074. <https://doi.org/10.1016/j.animal.2023.100740>
4. **Nava-Trujillo H***, Valeris-Chacin R, Zambrano-Salas S, Morgado-Osorio A, Hernandez J, Caamaño J, Quintero-Moreno A. **2022**. Capítulo 14. Factores intrínsecos que afectan el desempeño reproductivo de la búfala de agua (*Intrinsic factors affecting the reproductive performance of water buffalo cows*) In: El búfalo de agua en Latinoamérica 4ta Edición. (Napolitano et al. Editores), pp 381-402.
5. **Nava-Trujillo H***, Valeris-Chacin R, Zambrano-Salas S, Morgado-Osorio A, Hernandez J, Caamaño J, Quintero-Moreno A. **2022**. Capítulo 15. Factores extrínsecos que afectan el desempeño reproductivo de la búfala de agua (*Extrinsic factors affecting the reproductive performance of water buffalo cows*). In: El búfalo de agua en Latinoamérica 4ta Edición. (Napolitano et al. Editores), pp 404-422.
6. Gutiérrez-Añez, J.C*., Camacho de Gutiérrez, A., **Nava-Trujillo, H.** (2022). Application of Fixed-Time Artificial Insemination in Water Buffaloes. In: Chauhan, M.S., Selokar, N. (eds) *Biotechnological Applications in Buffalo Research*. Springer, Singapore. https://doi.org/10.1007/978-981-16-7531-7_15
7. Quintero-Moreno, A*., **Nava-Trujillo, H.**, Osorio-Meléndez, C. (2022). Advances in Semen Quality Assessments in AI Programs in Buffalo. In: Chauhan, M.S., Selokar, N. (eds) *Biotechnological Applications in Buffalo Research*. Springer, Singapore. https://doi.org/10.1007/978-981-16-7531-7_18
8. Tovar-Breto L*, **Nava-Trujillo H**. Sincronización de la ovulación e inseminación en búfalas de agua/ *Synchronization of ovulation and insemination in water buffalo*. In: El búfalo de agua: generalidades y características productivas. (De la Cruz-Cruz et al. Editores) Tomo 2, Sección 5, Capítulo 1:151-200.
9. **Nava-Trujillo H***, Valeris-Chacin R, Zambrano-Salas S, Morgado-Osorio A, Hernandez J, Caamaño J, Quintero-Moreno A. **2020**. Capítulo 10. Factores intrínsecos que afectan el desempeño reproductivo de la búfala de agua (*Intrinsic factors affecting the reproductive*

performance of water buffalo cows) In: El búfalo de agua en Latinoamérica 3era Edición. (Napolitano et al. Editores), pp 402-448.

10. **Nava-Trujillo H***, Valeris-Chacin R, Zambrano-Salas S, Morgado-Osorio A, Hernandez J, Caamaño J, Quintero-Moreno A. 2020. Capítulo 11. Factores extrínsecos que afectan el desempeño reproductivo de la búfala de agua (*Extrinsic factors affecting the reproductive performance of water buffalo cows*). In: El búfalo de agua en Latinoamérica 3era Edición. (Napolitano et al. Editores), pp 450-491.
11. **Nava-Trujillo H***, Valeris-Chacin R, Morgado-Osorio A, Zambrano-Salas S, Tovar-Breto A, Quintero-Moreno A. 2020. Reproductive Performance of Water Buffalo Cows: A Review of Affecting Factors. *Journal of Buffalo Science* 9:133-151
12. Morgado-Osorio A, **Nava-Trujillo H***, Valeris-Chacin R, Zambrano-Salas S, Quintero-Moreno A. 2020. Balance energético postparto en búfalas de agua: implicaciones sobre la salud y la reproducción/*Postpartum energy balance in water buffaloes: implications on health and reproduction*. *SPERMOVA* 10(1):1-10.
13. **Nava-Trujillo H***, Valeris-Chacin R, Quintero-Moreno A 2019. Particularidades reproductivas de las búfalas de agua (*Bubalus bubalis bubalis*)/ *Reproductive particularities of water buffalo cows (Bubalus bubalis bubalis)*. *SPERMOVA* 9(2):53-68. DOI.10.18548/aspect/0007.08
14. **Nava-Trujillo, H***, Quintero-Moreno, A. 2017. Importancia de la evaluación de la cromatina espermática en rumiantes. Una revisión/*Importance of sperm chromatin evaluation in ruminants. A review*. *J. Vet. Andrology* 2(1):8-22.
15. **Nava-Trujillo H.**, Hernández-Fonseca H*. 2005. Aspiración folicular transvaginal/*Transvaginal follicular aspiration*. In: **Manual de ganadería de doble propósito**. C. González-Stagnaro, Eleazar Soto Belloso (Eds.) Ediciones Astro Data, S.A. Maracaibo- Venezuela, pp 611-614.

Research articles in refereed journals

1. **Nava-Trujillo H***, Valeris-Chacin R., Morgado-Osorio A., Hernandez J., Caamaño J., Quintero-Moreno A. 2022. Probability of pregnancy before ninety days postpartum in water buffaloes. *Archivos Latinoamericanos de Producción Animal* 30(1):29-34, <https://doi.org/10.53588/alpa.300104>.
2. Rubio-Guillén, J., Osorio-Meléndez, C., González-Villalobos, D., **Nava-Trujillo, H.**, Quintero-Moreno, A*. 2021. Efecto del estrés anisomótico sobre la integridad estructural y funcional de la membrana plasmática y acrosomal de espermatozoides ovinos. **Revista De La Facultad De Agronomía De La Universidad Del Zulia**, 38(4):993-1015.
3. **Nava-Trujillo H***, Valeris-Chacin R, Quintero-Moreno A, Escalona-Muñoz J. 2020. Milk yield at first lactation, parity, and season of calving affect the reproductive performance of water buffalo cows. **Anim. Prod. Sci.** 60(8):1073-1080 <https://doi.org/10.1071/AN18420>
4. **Nava-Trujillo, H***, Valeris-Chacin, R., Morgado-Osorio, A., & Valero-Guerra, J. 2019. Effect of parity and season of calving on the postpartum reproductive activity of water buffalo cows. **Bulgarian Journal of Animal Husbandry (Zhivotnovadni Nauki)**, 56(4):3-12
5. **Nava-Trujillo H***, Valeris-Chacin R, Hernandez J, Duran Nuñez M, Morgado-Osorio A, Caamaño J, Quintero-Moreno A. 2019. Effect of season and parity on water buffalo calving distribution throughout the year in Venezuela. **Rev. Acad. Ciênc. Anim.**;17:e17013 DOI: 10.7213/1981-4178.2019.17013
6. **Nava-Trujillo H***. 2019. Effect of clinical mastitis on reproductive targets achievement in cows. **Vet. e Zootec.** 26:001-010.

7. **Nava-Trujillo H***, Escalona-Muñoz J, Carrillo-Fernandez F, Parra-Olivero A. 2018. Effect of parity on productive performance and calving interval in water buffaloes. **Journal of Buffalo Science** 7:13-16.
8. **Nava-Trujillo, H***, Parra-Olivero, A., Galvis-Carreño, F., Flores-Perdomo G., Quintero-Moreno, A. 2017. Relación entre la circunferencia escrotal, predominio racial, la edad, el peso corporal y la ganancia diaria de peso en toros/*Relationship between scrotal circumference and breed predominance, age, body weight and daily weight gain in crossbreed bulls*. **Rev. Científica FCV-LUZ XXVII(1):62-67**.
9. **Nava-Trujillo, H***, Quintero-Moreno, A. 2017. Distribution of sperm with damaged chromatin among morphometrically distinct subpopulations in cryopreserved semen from Brahman bulls. **Rev. Científica FCV-LUZ XXVII(6):359-365**.
10. Perea, F., Palomares, R.A., Ferrer, M.S., González, R., Palasz, A.T., Rosales, J., **Nava, H.**, Hoyos-Jaramillo, A., Soto-Belloso, E. 2017. A field study to compare post-thaw sperm progressive motility and pregnancy rate using Brahman bull semen frozen in milk based extender containing egg yolk or soybean lipids extract. **Clinical Theriogenology** 9(1):37-45.
11. **Nava-Trujillo, H.**, Quintero-Moreno, A., Hernández- Fernández, A., Osorio- Meléndez, C. 2016. Espermatozoides con cromatina dañada e inmadura en semen criopreservado de toros Brahman/*Sperm with damaged and immature chromatin in cryopreserved semen from Brahman bulls*. **Rev. Científica FCV-LUZ XXVI(1):20-25**.
12. Quintero-Moreno A*, Ramírez, M.L., **Nava-Trujillo, H.**, Hidalgo M. 2015. Comparison of two histologic stains in the evaluation of sperm head morphometric measurements in frozen-thawed bull semen. **Acta Microscópica** 24(2):103-110.
13. **Nava-Trujillo, H.**, Quintero-Moreno, A., Hernández- Fernández, A., Vilchez-Siu, V., Osorio-Meléndez, C., Rubio-Guillen, J., González-Villalobos, D., Finol-Parra, G. 2013. Efecto de la integridad de la cromatina sobre la morfometría de la cabeza del espermatozoide de toro/*Effect of Chromatin Integrity on Bull Sperm Head Morphometry*. **Rev. Científica FCV-LUZ XXIII(1):67-72**.
14. **Nava-Trujillo, H.**, Hernández-Fernández, A., Quintero-Moreno, A*. 2012. Integridad de la cromatina y forma de la cabeza del espermatozoide de toro: evaluación simultánea con la tinción de azul de toluidina/*Chromatin Integrity and Shape Head of Bull Sperm: Simultaneous Assessment with Toluidine Blue Stain*. **Rev. Científica FCV-LUZ XXII(3):211-216**.
15. **Nava-Trujillo, H***, Quintero-Moreno, A., Finol-Parra, G., Vilchez-Siu, V., Osorio-Meléndez, C., Rubio-Guillen, J., Valeris-Chacin, R. 2011. Relationship among the damaged chromatin, motility and viability in cryopreserved semen from Brahman bulls. **Rev Colombiana Cs. Pecuarias**. 24:116-122.
16. **Nava-Trujillo, H.**, Quintero-Moreno, A., Finol-Parra, G., Carrillo-Fernández, F., Osorio Meléndez, C. 2011. Use of water test to assess the sperm membrane integrity in cryopreserved bull semen. **Revista Científica FCV-LUZ**. XXI(3):211-214.
17. **Nava-Trujillo H.**, Soto-Belloso, E., Hoet, A.E. 2010. Effects of clinical mastitis from calving to first service on reproductive performance in dual-purpose cows. **Anim. Reprod. Sci.**, 121(1-2):12-16.
18. **Nava-Trujillo, H***, Chango-Villasmil, J., Finol-Parra, G., Maldonado-Suárez, J., Torres-Rodríguez, P., Carrillo-Fernández, F., Gil-Huerta, L., Akourki, A. 2010. Efecto de la dosis de eCG sobre la inducción del celo en cabras mestizas luego de un tratamiento corto con medroxiprogesterona/*Effect of eCG dosage on estrus induction in crossbred goats after a short-term medroxiprogesterone treatment*. **Rev. Científica FCV-LUZ XX(2):181-183**.

19. Hernández-Fernández, A., **Nava-Trujillo, H.**, Vílchez, V. 2010. Comparación de dos métodos de recolección de ovocitos bovinos para maduración in vitro/*Comparison of two recovery methods of bovine oocytes for in vitro maturation*. **Producción Agropecuaria** 3(1):41-44.
20. **Nava-Trujillo, H***, Chango-Villasmil, J., Finol-Parra, G., Maldonado-Suárez, J., Torres-Rodríguez, P., Carrillo-Fernández, F., Gil-Huerta, L., González, N. 2008. Effect of post-mating progestagen administration on pregnancy rate in crossbred goats following an induced estrus. **Revista Científica FCV-LUZ** XVIII(5):578-581.
21. Hernández-Fonseca H., **Nava-Trujillo H.**, Sirisathien S, Johnson L.A., David Guthrie D., Welch G.R., Hernandez A., Brackett B.G. 2007. Effect of db-cAMP on embryonic development of bovine oocytes fertilized with sex sorted semen. **Revista Científica FCV-LUZ**, Vol. XVII(2):131-135.
22. **Nava-Trujillo H.**, De Ondiz A., Soto-Belloso E., Velarde J.C., Hernández-Fonseca H., Brackett B. 2005. Calves born under tropical conditions after direct transfer of cryopreserved in vitro produced embryos. **Rev. Científica FCV-LUZ**, Vol. XV(5):429 - 436.
23. Hernández-Fernández A., Romero O., Montiel N., **Nava-Trujillo H.**, Cahua N. 2005. Determinación de valores de referencia hematológicos en búfalas (*Bubalus bubalis*) preparto y postparto en una unidad de producción en el sur del Lago de Maracaibo, Venezuela/*Haematological reference values determination in prepartum and postpartum female buffaloes (Bubalus bubalis) in a production unit at the south of Maracaibo lake, Venezuela*. **Revista Científica FCV-LUZ**, Vol. XV, N° 2, 119-124.
24. Fernández-Surumay G., Negrón, G., Rincón, R., **Nava, H.**, Oviedo, A., Villamizar, L. 2002. Reporte retrospectivo de la frecuencia de supuestas intoxicaciones en pequeños animales de la Ciudad de Maracaibo (1994-1998), Venezuela/*Retrospective report of the supposed poisonings frequency in small animals from Maracaibo city (1994-1998), Venezuela*. **Multiciencias** 2(2):115-125.

Technical/Extension articles:

1. **Nava-Trujillo H**, Martínez Bello D., Rivera RM*. 2023. Abnormal Calf Syndrome. **Proceedings of American Embryo Transfer Association Annual Conference**, Orlando, FL.
2. **Nava-Trujillo H***, Boscán-Ocando J, Morgado-Osorio A. 2023. Efecto de la mastitis sobre la eficiencia reproductiva de vacas y búfalas. Parte II: los mecanismos y la prevención (*Effect of mastitis on the reproductive efficiency of cows and buffaloes. Part II: mechanisms and prevention*). **ALPA en el Campo** 2(5):18-22.
3. **Nava-Trujillo H***, Morgado-Osorio A, Diaz-Huerta F. 2022. Efecto de la mastitis sobre la eficiencia reproductiva de vacas y búfalas. Parte I: los hechos (*Effect of mastitis on the reproductive efficiency of cows and buffaloes. Part I: the facts*). **ALPA en el Campo** 1(4):27-30.

PRESENTATIONS

Talks

1. Event: II Jornadas de actualización Colegio de Médicos Veterinarios

Title: Desempeño reproductivo de búfalas de agua. Reproductive performance of water buffalo cows.

Date: 17/05/2021. City and Country: San Cristobal, Venezuela.

2. Event: Curso de reproducción equina
Tittle: Fisiología del ciclo estral en yeguas.
Date: 12/05/2018.
City and Country: Maracaibo, Venezuela

3. Event: II Taller de Andrología Veterinaria
Tittle: Generalidades sobre la fisiología reproductiva de machos bovinos
Date: 17/02/2017.
City and Country: Maracaibo, Venezuela

4. Event: I Taller de Andrología Veterinaria
Tittle: Estudio del nivel de fragmentación del DNA en espermatozoides de mamíferos
Date: 06/02/2015.
City and Country: Maracaibo, Venezuela

5. Event: VI Jornadas de Rumiantes: Reproducción y Genética.
Tittle: Calidad espermática, mucho más que motilidad
Tittle: Efecto de la mastitis en la eficiencia reproductiva de las vacas.
Date: 16-17/10/2014
City and Country: Mérida, Venezuela

6. Event: II Jornadas de Investigación y Postgrado, Facultad de Ciencias Veterinarias, LUZ.
Tittle: Pentoxifilina y capacitación espermática.
Date: 07-08/05/2007.
City and Country: Maracaibo, Venezuela

7. Event: Actualización en Reproducción de Rumiantes.
Tittle: Influencia de las alteraciones metabólicas postparto sobre la actividad reproductiva de vacas lecheras. Papel del IGF-1.
Date: 01/07/2006.
City and Country: Maracaibo, Venezuela.

8. Event: XLI Reunión de la Fundación GIRARZ.
Tittle: Alteraciones reproductivas relacionadas con la mastitis.
Date: 22/07/2005. City and Country: Maracaibo, Venezuela.

Abstracts (poster and oral presentations)

9. Event: 50th Annual Conference of the International Embryo Technology Society
Tittle: DNA methylation level of vulnerable genomic loci associated with large offspring syndrome.

Authors: Nava-Trujillo H; Rivera RM

Date: October 27-29, 2023

City and Country: Denver, Colorado, USA

10. Event: 2023 American Embryo Transfer Association Annual Convention

Title: DNA methylation level of two vulnerable genomic loci associated with large offspring syndrome.

Authors: Nava-Trujillo H; Rivera RM

Date: October 27-29, 2023

City and Country: Orlando, Florida, USA

11. Event: CAFNR Research Symposium 2023

Title: DNA methylation level of two vulnerable genomic loci associated with large offspring syndrome.

Authors: Nava-Trujillo H; Rivera RM

Date: October 5, 2023

City and Country: Columbia, MO, USA

12. Event: Animal Sciences Graduate Student Forum 2023

Title: Relationship between placental IGF2, and IGF2R and weight of bovine fetuses produced *in vivo* and *in vitro*

Authors: Nava-Trujillo H; Rivera RM

Date: August 17-19, 2023

City and Country: Columbia MO, USA

13. Event: 11th International Ruminant Reproduction Symposium (IRRS)

Title: Relationship between placental IGF2, IGF2R, and PHLDA2 and weight of bovine fetuses produced *in vivo* and *in vitro*

Authors: Nava-Trujillo H; Rivera RM

Date: Jun 28-July 01, 2023

City and Country: Galway, Ireland

14. Event: Spring Research & Creative Achievements Forum/Show Me Research Week 2023

Title: Relationship between placental IGF2, and IGF2R and weight of bovine fetuses produced *in vivo* and *in vitro*

Authors: Nava-Trujillo H; Rivera RM

Date: April 17-21, 2023

City and Country: Columbia MO, USA

15. Event: V Seminario Internacional VI Nacional de Investigadores en Salud Animal

Title: Factores que afectan el intervalo entre partos de búfalas en Venezuela (oral presentation)

Authors: Nava-Trujillo H; Valeris-Chacin R; Osorio-Meléndez C; Quintero-Moreno A; Escalona-Muñoz J.

Date: September 25-27, 2018

City and Country: Tunja, Colombia

16. Event: V Seminario Internacional VI Nacional de Investigadores en Salud Animal

Title: Relación entre movimiento y morfometría de la cabeza espermática en semen criopreservado de búfalo (*Bos bubalis*) (oral presentation)

Authors: Osorio-Meléndez C; Nava-Trujillo H; Hernández-Corredor L; Lozano-Garcia L; Quintero-Moreno A.

Date: September 25-27, 2018

City and Country: Tunja, Colombia

17. Event: 11th World Buffalo Congress

Title: Identification of sperm subpopulations with motility sperm patterns in frozen-thawed murrh buffalo semen (Poster)

Authors: Quintero-Moreno A; Osorio-Melendez C; Rubio-Guillen J; Nava-Trujillo H; Gutierrez-Añez JC.

Date: November 23-26, 2016

City and Country: Cartagena de Indias, Colombia

18. Event: 11th World Buffalo Congress

Title: Evaluation of the sperm acrosome integrity in cryopreserved buffalo semen using two staining methods: sperm-blue® and eosin-nigrosin (Poster)

Authors: Osorio-Melendez C; Quintero-Moreno A; Nava-Trujillo H; Rubio-Guillen J; Gutierrez-Añez JC.

Date: November 23-26, 2016

City and Country: Cartagena de Indias, Colombia

19. Event: XV Jornadas en Producción Animal (AIDA)

Title: Los espermatozoides bovinos con cromatina alterada están distribuidos morfométricamente en distintas subpoblaciones. (Poster)

Authors: Nava-Trujillo H., Quintero-Moreno A.

Date: May 14-15, 2013

City and Country: Zaragoza, España

20. Event: XV Jornadas en Producción Animal (AIDA)

Title: Correlación entre el test de endosmosis (host) y otros parámetros de calidad espermática en semen criopreservado de búfalos Murrah. (Poster)

Authors: Quintero-Moreno A., Osorio, C., González, D., Nava-Trujillo, H., Rubio-Guillén J.

Date: May 14-15, 2013

City and Country: Zaragoza, España

21. Event: IV International Symposium on Animal Biology of Reproduction

Title: Effect of chromatin integrity on bull sperm head morphometry. (Poster)

Authors: Nava-Trujillo H., Quintero-Moreno A., Hernández-Fernández A., Vilchez-Siu V., Finol-Parra G., Osorio-Melendez C., Añez-Paredes N.

Date: October 17-20, 2012.

City and Country: Campinas, Sao Paulo. Brazil.