

CURRICULUM VITAE

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CONTACT INFORMATION

Name: Laura Batista García

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Birthplace: Mexico City, MEXICO

EDUCATION

- | | | |
|-------------|------------|---|
| ▪ 1980-1984 | DVM | Facultad de Medicina Veterinaria y Zootecnia UNAM |
| ▪ 1984-1985 | Internship | Swine MAP, Galesburg, Illinois, USA |
| ▪ 1987-1988 | Rotation | Michigan State University (Swine Diseases and Production) |
| ▪ 1991 | Rotation | Department of Agriculture and Fishery, UK (Swine Artificial Insemination) |
| ▪ 1991 | Rotation | Newsham Farms (Genetic transfer by aseptic Caesarean Sections) |
| ▪ 1994-1994 | Diplomat | ITESM (Business Management I) |
| ▪ 1994-1994 | Diplomat | Universidad Kino (Time management) |
| ▪ 1995-1995 | Diplomat | ITESM (Business Management II) |
| ▪ 1995-1995 | Diplomat | ITSEM (Strategic Planning) |
| ▪ 1996 | Diplomat | UNIVERSIDAD DE SONORA (Swine Production) |
| ▪ 2000-2003 | Graduate | UNIVERSITY OF MINNESOTA, Clinical and Population Sciences, Veterinary Medicine (PhD) |
| ▪ 2006 | Diplomat | CONEVET |

PRESENT TITLE POSITIONS

- Director of Batista & Asociados
- Chair of PRRS, PED and Emerging Diseases Committee, AMVEC AC 2013-2017
- Co-researcher of the PRRS Swine Cluster CDPQ-U Laval, Quebec, Canada
- OIE's Mexico representant for the PED ad hoc group
- Advisor of PRRS and Emerging diseases for the Colombian Pork Producers
- Advisor of PRRS and Emerging diseases for the Peruvian Pork Producers
- Advisor of PRRS and Emerging diseases for the Dominican Pork Producers

- Member of the AASV PRRS Task Force
- Member of the Scientific Committee of the Swine Health Improvement Program for Sonora State, MEXICO
- Member of Boehringer Ingelheim Liaison Veterinary Group

PROFESSIONAL MEMBERSHIPS

- 1984- Mexican Association of Swine Veterinarians (AMVEC)
- 1984- American Association of Swine Veterinarians (AASP)
- 1986- International Pig Society (IPVS)
- 1988- College of DVM of Sonora-Sinaloa (AMVEC Son-Sin)
- 1993- DVM Association of Swine Specialist from the North of Sonora (AMVECPNS)
- 1987 DVM Association of Swine Specialist from the South of Sonora (AMVECPSS)
- 1996- Association of Swine Specialist of Cajeme (AEPPC)
- 1995- DVM Association of Swine Specialist from los Altos de Jalisco (AMVECAJ)
- 2000-2004 9th District member (AASV)
- 2004- 11th District member (AASV)
- 2004- AVIA

PROFESSIONAL PRE-VETERINARIAN EXPERIENCE

1982	Rotation	3 months	Equine Clinic FMVZ-UNAM (México)
1983	Social Service 6 months	Coordination	Commission of the
	Livestock Development (México)		
1983	Rotation	3 months	Pig Improvement Company (PIC) (México) (Today NORSON farms)
1984	Rotation	6 weeks	PIC (México) (Today NORSON farms)
1984	Rotation 3 month		Swine MAP, Illinois (USA) under the supervision of Dr. Mike Schwochert
1985	Rotation	1 month	Michigan State University (USA)
1985	Rotation	3 weeks	AI Centers in United Kingdom under the supervision of Dr Christiane Glossop
1985	Rotation	2 weeks	Newsham Hybrids LTD (UK) under the supervision of Mr. Ian Brisby
1985	Rotation	1 month	Michigan State University (USA) under the supervision of Dr Brad Thacker

PROFESSIONAL POSITIONS AND EXPERIENCE

PORTEK (today NOROSN farms), Hermosillo, Sonora, MEXICO
1985-August 1991

- Head of the Health Department 1985-1989
- Head of the Service Department and External Farm Management 1989-1990
- Operative Manger 1990-1991

1990-1999
NEWSHAM HYBRIDS, USA, External Consultant

1991- 2009
BATISTA & ASOCIADOS: One women practice specialized in swine production offering health and production integrated services to the Swine Industry in Canada, USA, Mexico, Central, South America and Europe.

1994-1999

Member of the PigCHAMP Advisory Committee

1994- 2009

External consultant for ELANCO Animal Health, Schering Plough, Boehringer Ingelheim, Pfizer Animal Health, Genetiporc Canada and México, Grupo Kowi, PORTEK/NORSON, Mexico, SIS-PRO Mexico/USA.

2000- 2003

Research Assistant for Dr. Carlos Pijoan and Dr. Scott Dee at the Swine Disease Eradication Center. CAPS, University of Minnesota.

2004-2006

Associate professor and PRRSV researcher for swine medicine at the Faculty of Veterinary Medicine of the University of Montreal.

2004-2008

Membre adjointe du GREMIP, Faculté de médecine vétérinaire, Université du Montréal.

2006-2009

Member of the technical board of the Swine Disease Eradication Center of the University of Montreal.

2006-2009

Researcher in charge of research and development for swine health at CDPQ.

2008-

Membre industrielle du GREMIP/CRIP, Faculté de médecine vétérinaire, Université du Montréal.

2008-2009, and 2013-2014

Director of the Swine Health Improvement Program for Sonora State, MEXICO

2009-

Member of the Scientific Committee of the Swine Health Improvement Program for Sonora State, MEXICO.

2009-2013

Knowledge manager for the PRR Solutions Team in Boehringer Ingelheim Vet medica, St. Joseph, MO, USA where I was in charge of supporting the Eastern United States swine industry efforts on PRRSV area regional control. I was also in charge of supporting our BIVI Professional Swine Veterinary Group and in internal and external continuous education on PRRS (ARCE bi-monthly Newsletter and ARCE educational material). I also collaborated in on BIVI applied PRRSV research, and support the Iowa State University/BIVI summer intern program (25 veterinary students from all the USA this year). Finally, I continued my PRRSV research in collaboration with Iowa State University, CDPQ and U of Laval in Quebec, Canada.

2010- 2013

Chair of the Scientific Committee of the 2014 IPVS (Cancun, Mexico).

2010-

AASV PRRS Task Force Member

2010- 2013

National Pork Board PRRS (NPB USA) Task Force Member

2013-

Director of Batista, Racine & Associates: One women practice specialized in swine production offering health and production integrated services to the Swine Industry in Canada, USA, Mexico, Central, South America and Europe. Today, this practice is specialized in consulting on Area Regional Control on PRRSv, PED, SIV and other important swine diseases, record analysis, swine disease diagnostics, biosecurity audits, integral swine system development, and farm personnel training and continuous education.

TEACHING EXPERIENCE

- 1994- SIS-PRO, Senior Instructor and Honorary Director of the Spanish Program for PigCHAMP
- 2000 Invited speaker to Dr. Han Soo Joo Swine Disease Rotation (Control of respiratory diseases)
- 2001 and 2008 Spanish for the Pig Barn. Pre-seminar session at the ADLeman Meeting, (USA)
- 2001 Invited speaker to Dr. Scott Dee Swine Production Class (Overview of Swine Production)
- 2002 Invited speaker to Dr. Carlos Pijoan Advanced Swine Disease Rotation (Reproductive Diseases, PRRSV Persistence) and Swine Behavior Class
- 2003 Médecine porcine1, FMV of the University of Montreal
- 2004- 2007 Stage a la ferme, FMV of the University of Montreal
- 2004- 2007 Médecine porcine 1 et 2, FMV of the University of Montreal
- 2005 Swine medicine and record interpretation: Diplomat program of the University of La Salle, Colombia
- 2005- PRRS diagnostics: Master program of the University of Zaragoza, Spain
- 2006- PRRSV control and eradication: Master program of the University of Lleida, Spain
- 2007 PRRSV dynamics, control and eradication: Master and PhD program of the University of Concepción, Chillán, Chile
- 2009 Biosecurity in swine production. École vétérinaire de Toulouse, France.
- 2009- Introduction and basis of sampling to obtain reliable diagnostic results. FMVZ-UNAM and AMVEC, on line diplomat program
- 2009- Interpretation and analysis of PRRSV diagnostic results. FMVZ-UNAM and AMVEC, Mexico on line diplomat program
- 2010-2012 Collaborator/instructor of the summer intern veterinary medicine student program (Iowa State University/Boehringer-Ingelheim, Vetmedica, USA)
- 2012- Collaborator/instructor of the Autonomous University of Mexico (UAM), Swine diplomat on line
- 2012- Bethany Swine Health Services: Biosecurity for the Pig Barn (Illinois, USA)

RESEARCH EXPERIENCE

- 1987.1991 PORTEK: Development of the first swine artificial insemination/caesarean derived program to enhance the genetic program of a breeding stock company in México under the direction of Eduardo Avalos, DVM, PhD
- 1987 Michigan State University: Research assistant at Dr. Brad Thacker's laboratory.
- 2000-2003 University of Minnesota: Research assistant at Dr. Carlos Pijoan and Dr. Scott Dee's laboratory.
- 2004-2007 University of Montreal: Researcher for porcine reproductive and respiratory

virus (PRRSV)

- 2005-2007 University of Montreal: Researcher for porcine circovirus type 2 (PCV2)
- 2007- GREMIP: Industrial member with expertise in PRRSV and biosecurity and regional control of swine pathogens
- 2008- CDPQ: Director of swine health research and development
- 2009-2013 BIVI: Porcine reproductive and respiratory virus applied and field research on biosecurity, transmission, genetic diversity and control and elimination strategies.
- 2013-Co-researcher of the CDPQ-University of Laval swine virus and bacteria aerosol transmission group

PUBLICATIONS

Refereed

1. Mondaca E, **Batista L**, Cano, JP, Diaz, E, Philips R, Polson D (2014) General guidelines for porcine reproductive and respiratory syndrome regional control and elimination programs. JSHAP. Volume 22:2.
2. Ciprián A, Palacios JM, Quintanar D, **Batista L**, Colmenares G, Cruz T, Romero A, Schnitzlein W, Mendoza S. (2011) Florfenicol feed supplemented decrease the clinical effects of *Mycoplasma hyopneumoniae* experimental infection in swine in México. Res Vet Science.
3. Almond, G, Flowers, W, **Batista L**, D'Allaire S (2006) Chapter 3. Diseases of the Reproductive System in Diseases of Swine, pp. 113-147.
4. Dee SA, Deen J, Cano JP, **Batista L**, Pijoan C (2006) Further evaluation of alternative air-filtration systems for reducing the transmission of Porcine reproductive and respiratory syndrome virus by aerosol. *Can J Vet Res*. 2006 Jul;70(3):168-75
5. Dee SA, **Batista L**, Deen J, Pijoan C (2006) Evaluation of systems for reducing the transmission of *Porcine reproductive and respiratory syndrome virus* by aerosol. *Can J Vet Res* 70(1);28-33
6. Dee SA, **Batista L**, Deen J, Pijoan C (2005) Evaluation of an air filtration system for preventing aerosol transmission *Porcine reproductive and respiratory syndrome virus*. *Can J Vet Res* 69(4);293-298.
7. Olin M, **Batista L**, Xiao Z, Molitor T (2005) gammadelta Lymphocyte Response to Porcine Reproductive and Respiratory Syndrome Virus. *Viral Immunol*18(3):490-9.
8. Cooper K, Huang FF, **Batista L**, Díaz Rayo C, Chapa Bezanilla, Toth TE and Meng XJ (2005) Identification of genotype 3 hepatitis E virus (HEV) isolates from pigs in Thailand and Mexico where genotype 1 or 2 HEV strains are prevalent in humans. *J Clin Micro* 43:1684-1688.
9. **Batista L**, Pijoan C, Baidoo S (2005) Eradication of porcine reproductive and respiratory syndrome virus (PRRSV) by serum inoculation with the homologous PRRSV strain. *Vet Rec* (submitted)
10. **Batista L**, Pijoan C, Dee S, Olin Michael, Molitor T, Joo HS, Xiao Z and Murtaugh M (2004) Virological and immunological responses to porcine reproductive and respiratory syndrome virus in a large population of gilts. *Can J Vet Res* 68;267-273.
11. Xiao Z, **Batista L**, Dee S, Halbur P, Murtaugh M (2004) The level of virus-specific T-cell and macrophages recruitment in Porcine Reproductive and Respiratory Syndrome infection in pigs is independent of virus load. *J Virol*; 78:5923-5933.
12. **Batista L**, Dee SA, Rossow KD, Polson DD, Xiao Z, Olin M, Murtaugh MP, Molitor TW, Joo HS, Pijoan C (2004) Detection of porcine reproductive and respiratory syndrome virus in pigs with low positive or negative s/p ratios. *Vet Rec*; 154:25-26.
13. **Batista L**, Pijoan C, Dee SA, Ruiz A and Utrera V (2003) Evaluation of the Transmission of *Mycoplasma hyopneumoniae* by personnel. *J Swine Health Prod*; 12:75-77.

14. **Batista L**, Pijoan C, Lwamba H, Johnson C and Murtaugh M (2003) Genetic Diversity of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in two regions of Mexico (2003) J Swine Health Prod; 12:170-175.
15. **Batista L**, Torremorrel M and Pijoan C (2002) Experimental exposure to porcine reproductive and respiratory syndrome virus (PRRSV) in gilts during acclimatization. J Swine Health Prod; 10, 4:147-150.
16. **Batista, L**, Dee, SA, Rossow, K, Deen, J and Pijoan, C (2002) Assessing the duration of porcine reproductive and respiratory syndrome virus persistence and shedding in a large population of breeding age female swine. Can Jour Vet Res 66:196-200.
17. Oliveira S, **Batista, L** Torremorel M, Pijoan C (2001) Experimental colonization of piglets and gilts with systemic strains of *Haemophilus parasuis* recovered from systemic and respiratory sites. Can J Vet Res 65(3):161-167.
18. **Batista L**, Stephano, A and Thacker, BJ. (1985) Evaluación de 7 diferentes vacunas contra Parvovirus Porcino. DVM Thesis, (Mexico).

Non-refereed 2000- (not updated)

1. Batista L. (2010) Nueva visión para una nueva década. AMVEC, Acapulco, México
2. Batista L. et al. (2010) Advancing PRRS area regional control in Sonora, Mexico. IPVS, Vancouver, Canada.
3. Batista L, Cano E, Mondaca E and Polson D (2010) Working Group Workshop. WPE, Des Moines, USA.
4. Batista L. (2010) Update on PRRS regional control. RIPP, Loudeac, France.
5. Batista L. (2010) Update of the importance of biosecurity in PRRS area regional control programs. Dekalb, USA
6. Batista L and Mondaca E (2010) Las bases de un programa de control regional de PRRS. Symposium de actualización de Boehringer Ingelheim Mexico, Hermosillo y Cd. Obregón, Sonora
7. Batista L and Mondaca E (2009) Overview: A basic approach for implementing and operating an ARC Project. IPRRS, Chicago, IL, USA
8. Batista L. (2009) Control regional del PRRS. Zaragoza, España
9. Batista L. (2009) Acercamiento global a las enfermedades porcinas más importantes. OIPORC, Punta Cana, Republica Dominicana
10. Batista L. (2009) Retos en el control regional de PRRS. AMVEPPC, Cd. Obregon, Sonora
11. Batista L. (2009) Como reducir la mortalidad pre-destete. Congreso Centroamericano de porcicultura, Retalhuleul, Guatemala
12. Batista L. (2009) Rompiendo paradigmas en el control regional de enfermedades. Congreso Centroamericano de porcicultura, Retalhuleul, Guatemala
13. http://www.cdpqinc.qc.ca/publications/Références/Recherche-Regie_Filtre-virus.pdf
14. <http://www.cdpqinc.qc.ca/document/Rapport%20final%20-%20%C3%89valuation%20d'un%20syst%C3%A8me%20de%20filtration.pdf>
15. <http://www.cdpqinc.qc.ca/document/Proyect%20167%20english%20translation%20final.pdf>
16. Batista L. (2009) Reinventarnos como Medicos Veterinarios Zootecnistas. AMVECAJ, Tepatitlán, México
17. Batista L. (2009) La importancia de vacunar frente a PCV2 subclínico. Athens, Greece.
18. Batista L., Pouliot F and Dufour V (2009) Assessment of the ability of a commercial filter to diminish or impede aerosol transmission OF PRRSV under experimental and field conditions. AASV, Dallas, USA.
19. Bonneau M., Batista L and Pouliot F. (2009) Noveko introduces a new filtration concept that fits air filtration needs of existing production facilities in the swine industry. AASV, Dallas, USA.
20. Batista L., Pouliot F and Dufour V (2009) La filtration d'air : les succès nord-américains d'un nouvel outil de biosécurité efficace. Ploufragan, France.

21. Batista L., Pouliot F and Dufour V (2009) How does air filtration fit into regional disease control. Banff Swine Seminar, Banff, Canada.
22. Batista L. (2008) Complex respiratoire porcine : La vision Nordamericaine. Ludeac, France
23. Batista L., Pouliot F., Dufour V (2008) La filtration porcine pour arreter le VSSRP. Paris, France
24. Batista L., Pouliot F and Dufour V (2008) A new filtration option for the swine industry.
25. Batista L., Pouliot F and Dufour V (2008) Cierre de granja para el control del PRRSV. AMVESS, Navojoa, México
26. Batista L. (2007) Novedades en el muestreo y diagnostico del PRRSV. Pre-symposium del congreso Santiago Martin Rillo, Toledo, España.
27. Remmers G., Batista L. and D'Allaire S (2007) Comparison of different sampling sites and materials for detection of porcine reproductive and respiratory syndrome infection (PRRSV). American Association of Swine Veterinarians Meeting, Orlando, FL, USA
28. Batista L (2007) Air filtration: Is it a feasible and economic option to reduce area spread?. Biosecurity preseminar. American Association of Swine Veterinarians Meeting, Orlando FL, USA.
29. Batista L. (2006) Use of serology on colostrums samples for monitoring *Actinobacillus pleuroneumoniae*, *Mycoplasma hyopneumoniae* and porcine reproductive and respiratory syndrome virus infections in swine sow herds. IPVS, Copenhagen, Denmark.
30. Batista L. (2006) Validation of pooling serum samples for diagnosis of porcine reproductive and respiratory syndrome virus (PRRSV) IPVS, Copenhagen, Denmark.
31. Denicourt M, Vauchon, P, D'Allaire S and Batista L (2006) On farm euthanasia of pigs by electrocution -A reliable, economical and economical method. IPVS, Copenhagen, Denmark
32. Batista L (2005) SDRP: l'experience nord-americaine. Porc magazine; 395 : 50-51
33. Batista L. (2005) Control y Erradicación de PRRS. *Suis*, 2: 8
34. Batista L. (2005) Porcine reproductive and respiratory syndrome diagnostics in the breeding herd: Back to the basics. *J Swine Health Prod*, 13: 96-98
35. Cooper K, Huang FF, Batista L, Díaz Rayo C, Chapa Bezanilla, Toth TE and Meng XJ (2004) Identification of genotype 3 hepatitis E virus (HEV) isolates from pigs in Thailand and Mexico where genotype 1 or 2 HEV strains are prevalent in humans. CRWAD. P. 110. (This presentation won the AAVI graduate student oral research award).
36. PRRSV eradication in Sonora, México. 4th Int SDEC Symp, USA pp. 39-43
37. Batista L, Pijoan C, Baidoo S (2004) Eradication of porcine reproductive and respiratory syndrome virus (PRRSV) by serum inoculation with the homologous PRRSV strain. IPVS, Germany. P. 117
38. Batista, L (2004) Comment éliminer le SDRP de son élevages: des cas partiques aux Etat-Unis. RIPP. Pp. 49-61
39. Murtaugh M, Xiao Z, Johnson C, Batista L, Dee L (2003) Immunity to porcine reproductive and respiratory syndrome virus (PRRSV): systemic and local responses in acute and persistent infection. Emerging Disease Symp. (Italy).
40. Batista L, Dee S, Pijoan C, Olin M, Molitor T, Xiao Z and Murtaugh M (2003) Assessment of the production of sterilizing immunity and response to heterologous challenge against PRRSV in breeding age female swine. Proc. A.D.L. Meeting. (USA).
41. Batista L, Pijoan C, Lwamba H and Murtaugh MP. (2002) Epidemiological field study of PRRSV genetic diversity in two regions of Mexico. Proc. A.D.L. Meeting. (USA).
42. Batista L, Dee SA, Rossow K, Deen J and Pijoan C (2002) Persistencia del PRRSV en Animales Adultos. Memorias del Symposium Internacional de Reproducción Santiago Martin Rillo (Venezuela).
43. Batista L, Dee SA, Rossow K, Deen J and Pijoan C (2002) Assessing the duration of porcine reproductive and respiratory syndrome virus persistence and shedding in a large population of breeding age female swine. 17th IPVS, (USA) and 33rd AASV (USA).
44. Batista L and Pijoan C (2002) Production and Economic Advantages of High Health Swine. Proc. 17th IPVS, (USA).

45. Batista L, Lumbawa H, Murtaugh M and Pijoan C.(2002) Epidemiological Field Study of PRRSV Genetic Diversity in the Central Part of Sonora, Mexico. Proc. 17th IPVS, (USA).
46. Batista L, Ruiz A, Utrera V and Pijoan C. (2002) Evaluation of the Transmission of *Mycoplasma hyopneumoniae*. Proc. 17th IPVS, (USA).
47. Batista L (2001) Experiences with Erysipela Vaccine. Proc. A.D.L. Meeting. (USA).
48. Batista L (2001) Impacto Economico de los Problemas Reproductivos. Memorias del Symposium Internacional de Reproduccion Santiago Martin Rillo (Espana).
49. Batista L (2001) Bioseguridad en la Granja: Beneficios de una Piara de Alto Nivel Sanitario. Proc. Congreso Centroamericano y del Caribe de Porcicultura (Costa Rica).
50. Batista L (2001) Importancia de la Toma de Decisiones. Proc. Congreso Centroamericano y del Caribe de Porcicultura (Costa Rica).
51. Batista L, Torremorel M and Pijoan C (2000) Effect of Natural Exposure to PRRSV in gilts with different initial serological status. CRAWD, (USA).
52. Batista L and Morrison R (2000) Idiopathic Abortions at TecniAgro A Colombian Production System. Proc. A.D.L. Meeting. (USA)
53. Batista L (2000) A Case of Feed Consumption in Lactating Sows. Proc. A.D.L. Meeting. (USA)
54. Batista L, Torremorel M and Pijoan C. (2000) Effect of Natural Exposure to PRRSV in gilts with different initial serological status. Proc. 16th IPVS, (Australia).
55. Batista L (2000) Record Analysis to Solve Reproductive Problems. International Symposium of Artificial Insemination and Reproduction. (Brazil)
56. Batista L (2000) Gilt Acclimation: Your insurance for Health and Production. Proc. 31st Proc. AASP, (USA).
57. Batista L, Genoves G and Diaz E (1999) control de Salmonella cholerasuis mediante la utilizacion de una vacuna viva avirulenta (Cepa SC-54) en una granja en el noroeste de la República Mexicana (Reporte de Campo). Proc. 34rd AMVEC (Mexico).
58. Batista L (1998) Resultados de la utilizacion del area de maduracion, acondicionamiento y aclimatacion para el control de PRRS. Proc. 33rd AMVEC (Mexico).
59. Thacker, BJ, Batista, L, Gonzalez J, Saline R (1986) Evaluation of commercial porcine parvovirus vaccines: Post-vaccination serological responses, haemoagglutinating activity and long term serostatus of vaccinated gilts in an endemically infected herd. Proc. 9th IPVS, (Spain).

FUNDED GRANT PROPOSALS

1. Sonora PRRS ARC epidemiological investigation
Agency: SENSASICA
Amount requested: \$90,000
Period: May-December 2014
2. Aerodynamic distribution of PRRSv
Agency: MAPAQ
Amount requested: \$60,000
Period: March 2014-March 2015
3. Bio-exclusion and containment strategies to control epidemics resulting from airborne viral and bacterial transmission
Agency: SWINE CLUSTER II_PHASE 1
Amount requested: \$66,000
Period: March 2014-May 2016
4. Sonora PRRS ARC epidemiological investigation

Agency: SENSASICA
Amount requested: \$100,000
Period: May-December 2013

- 5.** Sonora farms biosecurity audits
Agency: SENASICA
Amount requested: \$125,000
Period: November-December 2013
- 6.** Comparison of paper versus a plastic board to reduce the lateral transmission of PRRSv
Agency: BIVI Vetmedica, USA
Amount requested: \$10,000 USD
Period: September-December 2012
- 7.** Biosecurity audit of transport for the Missouri ARC project
Agency: BIVI Vetmedica, USA
Amount requested: \$10,000 USD
Period: May 2012-
- 8.** Pilot Project to reduce filter obstruction of an exhaust air filtration system designed to reduce aerosol transmission of Porcine Reproductive and Respiratory Syndrome
Agency: BIVI Vetmedica, USA
Amount requested: \$40,000USD
Period: August 2011-March 2012
- 9.** Pilot project to develop a novel methodology for the detection of airborne porcine reproductive and respiratory syndrome virus during a twenty four hour period
Agency: BIVI Vetmedica, USA
Amount requested: \$25,000USD
Period: September-December 2011
- 10.** Porcine Reproductive and Respiratory Syndrome Virus immunization strategies survey
Agency: BIVI Vetmedica, USA
Amount requested: \$25,000USD
Period: May 2011-July 2012
- 11.** Genetic diversity of Porcine Reproductive and Respiratory Syndrome virus in Pennsylvania herds
Agency: BIVI Vetmedica, USA
Amount requested: \$15,000USD
Period: May 2010-October 2010
- 12.** Évaluation de deux outils qui permettent de mesurer le risque de contamination par un pathogène et de faire le portrait des stratégies de biosécurité à la ferme.
Agency: FPPQ
Amount requested: \$42,147CAD
Period: June 2009- October 2009
- 13.** Démarrage du « Centre d'Information sur la Biosécurité (CIB) »
Agency: FPPQ
Amount requested: \$22,627CAD
Period: June 2009- October 2009
- 14.** Établissement d'un site web/design initial des Forums – WEB
Agency: FPPQ

Amount requested: \$30,000CAD
Period: June 2009- October 2009

15. Enhancement of swine health in Sonora State
Agency: Unión de productores porcinos de Sonora
Amount requested: \$300,000MEX
Period: June 2008-June 2010
16. Programme québécoise d'augmentation de la biosécurité a la ferme en vue de la réduction des impacts économiques des principales maladies porcines/Quebec program to increase farm and regional biosecurity to reduce the economic impact of the most important swine pathogens
Agency: FPPQ, CSC
Amount requested: \$ 2, 7000,000CAD
Period: May 2009-May 2013
17. Regional control of PRRSV at Beauce region with the use of a innovative vaccine
Agency: FPPQ, MAPAQ, CDAQ
Amount awarded: \$400,000CAD
Period: July 2008-June 2010
18. Implementation of a filtration system in a farrow to finish farm
Agency: FPPQ, Noveko, SPPQ
Amount awarded: \$150,000CAD
Period: December 2007-November 2009
19. Experimental evaluation of a filtration system to stop PRRSV from entering to swine farms
Agency: FPPQ, SPPQ, MAPAQ, Noveko
Amount awarded: \$100,000CAD
Period: February-August 2007
20. Evaluation of the effects of tilmicosin in feed on nursery pigs inoculated with porcine reproductive and respiratory syndrome virus (PRRSV)
Agency: ELANCO Canada
Amount awarded: \$100,000 CAD
Period: February-August 2007
21. Research Program for Porcine Reproductive and Respiratory Syndrome Virus inQuebec
Agency: Faculty of Veterinary Medicine of the University of Montreal in conjunction with 15 members of the Quebecois swine industry
Amount awarded: \$2,400,000 CAD
Period: June 2005-2008
22. Eradication of PRRSV from Sonora State in México.
Agency: Unión de Porcicultores de Sonora
Amount awarded: \$ 150,000USD
Period: Dec 2004-2005
23. Eradication of PRRSV from Sonora State in México.
Agency: Unión de Porcicultores de Sonora
Amount awarded: \$ 500,000.00 USD
Period: May 2003-2004
24. Genetic Diversity of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in two regions of Mexico

Agency: Unión de Porcicultores de Sonora y de Puebla
Amount awarded: \$ 20,000USD
Period: May 2002-2003

25. Assessment of the virological and immunological response of PRRSV to heterologous challenge in a large population of breeding age female swine.
Agencies: National Pork Board, Minnesota Pork Producers Association and Genetiporc
Amount awarded: \$30,000USD
Period: Oct 2002-Mar 2003
26. Assessment of the virological and immunological response of PRRSV in a large population of breeding age female swine.
Agencies: National Pork Board, Minnesota Pork Producers Association and Genetiporc
Amount awarded: \$ 75,000USD
Period: Jan 2002-Nov 2002
27. Assessing the duration of porcine reproductive and respiratory syndrome virus persistence and shedding in a large population of breeding age female swine.
Agencies: Pig Improvement Company, Genetiporc
Amount awarded: \$50,000USD
Period: Jan 2001- Dec 2001

INVITED ORAL PRESENTATIONS FROM 2000- (not all included)

- Batista, L. (August 2014) What's new with PED around the world. 2nd PED Symposium, AMVEC, Mexico.
- Batista, L. (July 2014) Update on control and future elimination of PED. USSEC continuous education seminar, Panama, Costa Rica, Guatemala and Dominican Republic.
- Batista, L. (July 2014) The role of transport in PED transmission. (Porcimericas PED seminar, Cartagena de Indias, Colombia).
- Batista L. (June 2014) PRRS, PED PCV2, and SIV, where have we failed and how can we improve our support to the swine industry? (IPVS, Cancun, Mexico)
- Batista L. (April 2014) PED, update, control and diagnosis (ACP, Bogota, Colombia)
- Batista L. (April 2014) PRRS, Good biosecurity protocols and practical methods control methods (IPHS, Mullingar, Ireland)
- Batista L. (December 2013) Sonora State PRRS Area Regional Control (USA)
- Batista L. (November 2013) PRRS Biosecurity. (Germany)
- Batista L. (November 2013) PRRS Epidemiology. Colombia
- Batista L. (November 2013) PRRS Diagnostics. Colombia
- Batista L. (November 2013) PED Update. Colombia
- Batista L. (September 2013) Gilt replacement. Spain and Dominican Republic
- Batista L. (September 2013) Infection chain. Spain and Dominican Republic
- Batista, L (September 2013) M. hyo diagnostics. Spain.
- Batista, L (September 2013) PRRS Update and area regional control. Spain
- Batista, L (July, August 2013) PED update. (Mazatlán, México, Moca, Dominican Republic, Bogotá, Colombia)
- Batista, L (May 2013) Success and failures of area regional control (Mexico and Colombia)
- Batista L (September 2012) La importancia de la bioseguridad en el control de PRRS (México)
- Batista L (May, June, August 2012) Gilt acclimation (Mexico and USA)
- Batista L (November 2011) Impacto económico de las enfermedades (Chile)
- Batista L (May 2011) Factores de riesgo PRRS (Chile)

- Batista L. (August 2010) Nueva visión para una nueva década. AMVEC, Acapulco, México
- Batista L. et al. (July 2010) Advancing PRRS area regional control in Sonora, Mexico. IPVS, Vancouver, Canada.
- Batista L, Cano JP, Mondaca E and Polson D (June 2010) Working Group Workshop. WPE, Des Moines, USA.
- Batista L. (March 2010) Update on PRRS regional control. RIPP, Loudeac, France.
- Batista L. (February 2010) Update of the importance of biosecurity in PRRS area regional control programs. (Dekalb, USA)
- Batista L and Mondaca E (January 2010) Las bases de un programa de control regional de PRRS. Symposium de actualización de Boehringer Ingelheim Mexico, Hermosillo y Cd. Obregón, Sonora
- Batista L and Mondaca E (December 2009) Overview: A basic approach for implementing and operating an ARC Project. IPRRS, Chicago, IL, USA
- Batista L. (October 2009) Acercamiento global a las enfermedades porcinas más importantes. OIPORC, Punta Cana, Republica Dominicana
- Batista L. (May 2009) Retos en el control regional de PRRS. AMVEPPC, Cd. Obregon, Sonora
- Update on airfiltration for the swine industry. (March 2009) AVIA, Drumondville, Quebec.
- Rompiendo paradigmas en el control regional de enfermedades. Congreso Centroamericano de porcicultura, Retalhuleul, Guatemala (April 2009)
- Assessment of the ability of a commercial filter to diminish or impede aerosol transmission OF PRRSV under experimental and field conditions. AASV, Dallas, USA (March 2009)
- La filtration d'air: les succès nord-américains d'un nouvel outil de biosécurité efficace. Ploufragan, France. (March 2009)
- Reinventarnos como Medicos Veterinarios Zootecnistas. AMVECAJ, Tepatiltán, México (February 2009)
- La importancia de vacunar frente a PCV2 subclínico. Athens Greece (February 2009)
- How does air filtration fit into regional disease control: A new filtration option for the swine industry. Banff Swine Seminar, Banff, Canada (January 2009)
- Cierre de granja para el control del PRRSV. AMVESS, Navojoa, México (December 2008)
- Application pratique de la filtration porcine. Drumondville, Quebec, Canada (November 2008)
- El futuro del médico veterinario zootecnista. México, D.F. México (May 2008)
- PRRSV dynamics, Cremona, Italy (May 2008)
- PRRSV control, Cremona, Italy (May 2008)
- Actualidades en la filtración del aire contra el VSSRP. Cd. Obregón, Sonora, México (May 2008)
- Interacción PCV2-Mycoplasma. Recife, Brasil (May 2008)
- Manejo del complejo respiratorio. Lisboa, Portugal (April 2008)
- Complejo Respiratorio y Nuflor. Madrid, Spain (May 2008)
- Mise a jour sur la filtration porcine. GREMIP, St. Hyacinthe, Quebec, Canada (March 2008)
- Complex respiratoire porcine : La vision Nordamericaine. Ludeac, France (March 2008)
- La filtration porcine pour arreter le VSSRP. Paris, France (February 2008)
- Mise à jour sur la filtration de l'air contre le virus du SRRP. Drummondville, Quebec, Canada (November 2007)
- Novedades en el muestreo y diagnostico del PRRSV. Pre-symposium del congreso Santiago Martin Rillo, Toledo, España (May 2007)
- Transmisión de enfermedades por fomites. Primer symposium de bioseguridad. FMVZ-UNAM, México, D.F., México (April 2007)
- Respeto a las normas de bioseguridad. Primer symposium de bioseguridad. FMVZ-UNAM, México, D.F., México (April 2007)
- Air filtration: is it a feasible and economic option to reduce area spread? AASV, Orlando, USA,

(March 2007)

- Como destetar 30 lechones por hembra por año. AMECAJ, Tepatitlan, México (February 2007)
- PCV2, prevalence and risk factors in Canada. Banff Pork Meeting. Banff, Canada (January 2007)
- Como destetar 30 lechones por hembra por año. AMVECPSS. México (2006)
- Unidad de diagnóstico de PRRS. Máster clínico de las Universidades de Lérida, Zaragoza y Barcelona. España (2006)
- Retos sanitarios para la industria porcina. COMEPOR, México (2006)
- Uso de inoculos para el control del PRRS: La bases científicas. AMVEC, México (2006)
- Use of serology on colostrum samples for monitoring *Actinobacillus pleuroneumoniae*, *Mycoplasma hyopneumoniae* and porcine reproductive and respiratory syndrome virus infections in swine sow herds. IPVS, Copenhagen, Denmark (2006)
- Unidad de Bioseguridad y Diagnóstico de Enfermedades. Diplomado en Producción Porcina. Universidad la Salle, Bogotá, Colombia (2006)
- Diferencias entre PCV2 y enfermedades asociadas a PCV2. IV Jornada Porcina, UNAM, México, D.F., México (2006)
- Diferencias entre PCV2 y enfermedades asociadas a PCV2. AEP, Tehuacán, México (2006)
- Actualidades en el completo respiratorio porcino. Gira por 5 ciudades de España. España (2006)
- Is PCVAD an emerging disease in Canada? AASV, USA (2006)
- Actualidades en enfermedades asociadas a PCV2. BI Internacional Symposium, Guadalajara, Jalisco, México (2006)
- Update on PCV2 associated diseases. Big Bug Day, Stratford Ontario, Canada (2006)
- Update on PRRSV Quebec project. OASV, Strasford, Ontario, Canada (2006)
- Diferencias entre el PCV2 y el síndrome de desgaste postdestete. AMEVECAJ, Tepatitlán, Jalisco, México (2006)
- Mise a jour sur le SDPS et Biosecurité. Journée d'information en Production Porcine VITA. Québec, 2005
- Diferencias entre Circovirus tipo 2 y el Síndrome de Desgaste Post Destete. Congreso "Dra. Laura Batista García). AMVECPSS. México, 2005
- Practical measurements to control PMWS. Ontario Swine Veterinarian Association. Ontario, 2005
- SDPS et maladies associées au PCV2. Journée annuel AQINAC. Québec, 2005
- Vinculación de la educación veterinaria y la investigación en la práctica de campo en Canadá y México. AMVEC Edo. de México. México, 2005
- Actualidades sobre el control del PRRS. Seminario Internacional IASA. México, 2005
- Analyse de la situation du SDRP et des maladies associées au PCV2 sur le continent nord américain. Merial. France 2005
- Impact productif et économique de la variabilité de poids chez le porc. Colloque sur la production porcine 2005. Québec, Canada 2005
- Erradicación de Enfermedades (Mesa redonda). V Jornada de Actualización En Medicina Porcina (Cerdos) Dr. Carlos Pijoan. Venezuela 2005
- Diferencias entre Circovirus tipo 2 y el Síndrome de Desgaste Post Destete. V Jornada de Actualización En Medicina Porcina (Cerdos) Dr. Carlos Pijoan. Venezuela 2005
- Health status and biosecurity as essential components of GDU systems in the North American swine industry. AD Lemman Conference. USA 2005
- Circovirus in Québec. AD Lemman Conference. USA 2005
- Ciencia y Práctica. Congreso anual de AMVEC. México, 2005.
- PRRS diagnosis. Vita Day, Québec, 2005.
- Practical examples for PRRS eradication. AVIA wet lab. Québec, 2005.

- Batch production: old technology used in modern swine systems. Asociación de Especialista en Producción Porcina de Cajeme, México, 2005.
- PRRS update. Ontario Veterinarian Association. Ontario, 2005
- PRRS: Big picture on pattern and spread across North America and Surveillance programs and initiatives in Quebec and Ontario. Disease Day 2005. Ontario Pork Producers, 2005
- New Approaches on Gilt Acclimatization for PRRSV Control, Symposium de Reproducción e Inseminación Artificial "Sanitago Martín Rillo", Spain, 2005.
- Science and Practice, AASV annual meeting. Canada, 2005
- Mise a jour du SDEC and *H. parasuis*, AVIA. Québec, 2005
- Nuevas tecnologías para la aclimatación de las hembras de reemplazo. AMVECPSS, México, 2004
- Passé, présent e inconnus du SRRP. Pfizer, Québec, Canada, 2004
- Impact économique des maladies dans un ferme porcine. Congrès des producteurs du porc des Maritimes, 2004
- Différentes approches pour exposer des cochettes naïves a SRRP. Genetiporc, Quebec, Canada, 2004.
- Coccidia control y piglets. Bayer, Germany, 2004
- Eradication of porcine reproductive and respiratory syndrome virus (PRRSV) by serum inoculation with the homologous PRRSV strain. IPVS, Germany, 2004
- Contrôle d'une mortalité exceptionnelle dans la pouponnière après la stabilisation de PRRSV, AVIA, 2004
- Impacto económico del PRSSV. Universidad Central de Venezuela, Venezuela, 2004
- Control o erradicación del PRRSV. Universidad Central de Venezuela, Venezuela, 2004
- Retrospectiva del PRRSV. AEPPC, México, 2004
- Impacto del PRRSV sobre la respuesta inmune del cerdo. Boeheringer Ingelheim, México, 2004
- PRRSV y su efecto en los programas de vacunación en la granja. AMVECPSS, México, 2003.
- PRRSV y la Bioseguridad: Mito o Realidad. AMVECPPEM, México, 2003.
- Aplicación de la Biología Molecular en el Campo. AMVECPP, México, 2003.
- News on *H. parasuis*. AMVECAJ, Mexico. 2003.
- Control of PRRSV and *Mycoplasma hyopneumoniae* based on the flow diagrams. Boehringer Ingelheim 6th International Symposium, México. 2003.
- Assessment of the virological and immunological response of PRRSV. AASV, USA. 2003.
- Gilt acclimatization: News. Grupo Kowi, México. 2003
- *H. parasuis* cases. Virbac *H. parasuis* Symposium, France. 2003.
- PRRSV Control. AECPC, México. 2003
- Immunological Response to PRRSV. International Symposium of Artificial Insemination and Reproduction, Italy. 2003
- Persistence of PRRSV. AASV, USA. 2002
- Persistence and Genetic Variation of PRRSV. International Symposium of Artificial Insemination and Reproduction, Venezuela. 2002.
- Biosecurity in the Swine Industry. 8th Annual Meeting of Pork Producers of Colombia. Colombia. 2002.
- Record Analysis. 8th Annual Meeting of Pork Producers of Colombia. Colombia. 2002.
- Epidemiological Study of PRRSV Genetic Diversity in Mexico. AMVEC, México. 2002
- PRRSV heterologous challenge. AD Lemman Conference, USA. 2002
- Control of PRRSV in the Americas. Schering Plough 3rd National Conference, France. 2002
- Control of Disease Transmission. Pfizer 2nd International Meeting, México. 2002.
- PRRSV News on Control and Eradication, AVECPSS, México. 2002
- Importance of Decision Taking. Central American Congress, Costa Rica. 2001.

- Biosecurity at the Farm: Benefits of High Health Status Farms. Central American Congress, Costa Rica. 2001.
- Economic Impact of Reproductive Problems. International Symposium of Artificial Insemination and Reproduction, Spain. 2001
- Gilt Acclimatization. Swine Actualization Symposium, Dominican Republic. 2001
- Experiences with Erysipelas Vaccine. ADLeman Conference, USA. 2001
- PRRSV and its interactions. Boehringer Ingelheim 5th International Symposium, México. 2001
- Swine Respiratory Diseases. Schering Plough International Meeting, Philippines. 2002
- Gilt Acclimation: Your insurance for Health and Production. AASP, USA. 2000.
- Record Analysis to Solve Reproductive Problems. International Symposium of Artificial Insemination and Reproduction, Brazil. 2000.
- A Case of Feed Consumption in Lactating Sows AD Leman, USA. 2000.

ORGANIZED MEETINGS AND CHAIRED SESSIONS

2014	Simposio de Bioseguridad: PED y PRRS (Mexico)
2013	Taller de ELISA-PRRS Fluidos Orales (Mexico)
2013	2 nd International PRRS Symposium (Mexico)
2013	AMVEC XLVIX Annual meeting
2012	1st t International PRRS Symposium (Mexico)
2012	PRRS ARC&E Seminar (USA)
2012	AMVEC XLVIII Annual meeting
2011	PRRS ARC&E Seminar (USA)
2011	AMVEC XLV Annual meeting
2010	AMVEC XLV Annual meeting
2009	AMVEC XLIV Annual meeting
2008	AMVEC XLIII Annual meeting
2007	AMVEC XLII Annual meeting
2006	AMVEC XLI Annual meeting
2006	AMVEC Serum inoculation for PRRSV control
2006	AMVEC XL Annual meeting
2005	AASV Gilt acclimatization (USA)
2005	AASV Emerging Diseases (USA)
2004	AMVEC XL Annual meeting
2004	AASV Are we on the right track (USA)
2004	AMVEC Main session: Emerging diseases roundtable (Mexico)
2004	AMVEC Emerging Diseases Roundtable (Mexico)
2003	Int Rep Symp Disease and Reproduction (Italy)
2002	Int Rep Symp Disease and Reproduction (Venezuela)
2002	AASV Scientific answers to commonly asked PRRSV questions (USA)
2001	AMVEC Trends in PRRSV (México)
2000	AMVEC Field experiences with PRRSV in Mexico (Mexico)

COMMITTEES

- 2016 Member of the Organizing committee of the 4th PEDV, Mexico
- 2015 Member of the Organizing committee of the 3rd PEDV, Mexico
- 2014 Member of the Organizing committee of the 2nd Biosecurity Symposium: PRRS and PED, Mexico
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- 2014 Member of the Organizing committee of the 2nd PEDV, Mexico

- 2014 Member of the Organizing committee of the 1st Biosecurity Symposium: PRRS and PED, Mexico
- 2013 Member of the Organizing committee of the 1st PEDV International Symposium, Mexico
- 2013 Member of the Organizing committee of the 2nd PRRS International Symposium, Mexico
- 2012 Member of the Organizing committee of the 1st PRRS International Symposium, Mexico
- 2010-2013 Chairperson of the Scientific committee for IPVS Cancun, Mexico, 2014
- 2009- Member of the PRRS AASV Task Force
- 2009- Member of the National Pork Board (USA), PRRS Committee
- 2009- Member of the AMVEC Scientific Committee
- 2008 Chairperson of the Scientific committee for IPVS 2014 (bidding)
- 2007-2009 AMVEC, President
- 2005-2007 AMVEC, Vice-president
- 2005- AVIA, SDPS Committee (member)
- 2004- AASV, Faculty and Student Committee
- 2004- AASV Organizing Committee
- 2004- AASV, Electronic AASV Journal
- 2001- 2002 AASV, Organizing Committee
- 1999- AMVEC, Organizing Committee and Scientific Committee
- 1998- Artificial Insemination and Reproduction Symposium, Scientific Committee
- 1998- AMVEC, International Relationships
- 1994-2000 AASP, Representing Mexico (12th District)
- 1994- AMVEC, President of the International Associations Committee
- 1993-1995 AMVECPNS, Secretary
- 1989-1994 AMVEC, Member of the Scientific Committee
- 1988-1999 AMVEC, Coordinator of the Scientific Committee
- 1986-1988 College of DVM of Sonora-Sinaloa (first chair)

REVIEWER FOR

- National Pork Board
- Boehringer Ingelheim PCV2 committee
- Canadian Journal of Veterinary Medicine
- Agrociencia
- Journal of Virological Methods
- Suis

HONORS AND DISTINCTIONS

- Lead Lecture: Practitioner's Line, IPVS 2014, Cancun, Mexico (2014)
- Master of Ceremony of the Official Inauguration of the IPVS 2014 Cancun Mexico (2014)
- Master of Ceremony of the Official Inauguration of the Scientific Session of the IPVS Cancun Mexico (2014)
- Chairperson of the Tom Alexander Session of the IPVS 2014, Cancun Mexico (2014)
- Master of Ceremony of the Closing Ceremony of the IPVS 2014, Cancun Mexico (2014)
- Recognition by the Sonora Swine Producers for her contributions to the Sonora Swine

Production (2014)

- Boehringer Ingelheim Germany Euro medal for my contributions to advance PRRS Area Regional Control in the USA, and the rest of the world (2012)
- AMVEC The XLVII Annual Meeting will be named Laura Batista in recognition for my contributions to the Mexican and Global Swine Industry (2012)
- Recipient of the Lead and Learn Award from Boehringer Ingelheim (2010)
- Allen D. Leman Science in Practice Award from the University of Minnesota College of Veterinary Medicine and Pfizer Animal Health for her contributions to swine health management and best practices in the industry (2009)
- AVECPSS Annual meeting was name in her honor for her contributions to the Swine Industry, she also received a special recognition from the producers and veterinarians from the State of Sonora (2005)
- AEPPC Special recognition for contributions to the Association (2005)
- Santiago Martin Rillo Reproduction and Artificial Insemination Symposium: Honorary professor of the Symposium and of the Foundation for her contributions to Swine Medicine (2005)
- Santiago Martin Rillo Reproduction and Artificial Insemination Symposium: Honorary professor of the Symposium and of the Foundation for her contributions to Swine Medicine (2005)
- AMVEC Special recognition for contributions to the Association (2004)
- Recipient of the Veterinary Medicine Insignia of the Faculty of Veterinary Medicine of Santo Domingo, Dominican Republic for her contributions to Swine Medicine and the Swine Industry in that country (2002).
- Coordinator of “Santiago Martin Rillo Foundation” (2002-2004). This foundation was established in memory of Dr. Santiago Martin Rillo and will support research in swine reproduction and artificial insemination as well as outstanding students interested in swine reproduction around the world
- AMVEC Practitioner of the Year Award (1999)
- AMVECPAJ Honorary Member (1999)
- AMVECPSS Honorary Member (1993)

LANGUAGES SPOKEN

Spanish Native

English Fluent

French Fluent

FOREIGN TRAVEL EXPERIENCE

Since 1990 I have travelled to Canada, United States of America, Central and South America (Argentina Brazil, Colombia, Costa Rica Chile Dominican Republic, Ecuador Guatemala, Honduras El Salvador, Panama, and Venezuela); Europe (France, Germany, Italy, Poland, Ireland, Portugal, The Netherlands, Spain, England and Scotland) and to the Philippines, China and Korea to consult in different Swine Producers enterprises.

OTHERS

- Expert witness for legal cases related to the swine industry
- Simultaneous interpreter: Spanish-English-Spanish
- Translator: Spanish-English

- Official translator for Pigletter International (2000- 2009)
- Official translator for the AD Leman Meeting (1998-2003)
- Official translator for PigSense (2003-2009)
- Official translator for Genexpert (2004-2009)
- Official translator for Journal of Swine Health and Production (2004-)