

JOSE A. LINARES, D.V.M., A.C.P.V.
Technical Director
Pfizer Animal Health – Global Poultry

EDUCATION

B.S., Biology, University of Puerto Rico, Mayaguez Campus, (1983-1987)

D.V.M., Purdue University, School of Veterinary Medicine, West Lafayette, Indiana (1987-1991).

Avian Medicine Residency, U. of California, Davis, California Veterinary Diagnostic Laboratory System, Turlock, CA (1992-1993).

SPECIALTY BOARD CERTIFICATION

Diplomate of the American College of Poultry Veterinarians (1993-present).

WORK EXPERIENCE

2010 - present. Technical Director, Global Marketing. Pfizer Animal Health – Global Poultry. Duties include poultry technical service and assistance to customers and colleagues. Initiate the development of and implement global technical strategies to support market opportunities and products.

2003 - present. Adjunct Assistant Professor, Texas A&M University, College of Veterinary Medicine, Department of Pathobiology, College Station, TX.

2003-present. Adjunct Assistant Professor, Texas A&M University, College of Agriculture and Life Sciences, Department of Poultry Science, College Station, TX.

1997-2010. Poultry Pathologist (1997-2003)/Resident Director (2003-2010), Poultry Diagnostic Laboratory, Texas Veterinary Medical Diagnostic Laboratory, Texas A&M University System, Gonzales, TX. Duties include poultry diagnostic work; supervision of laboratory operations and personnel.

1997-2010. Private consultant (poultry technical service, laboratory specialist, poultry pathology, translator English-Spanish).

Feb. 3-14, 2003. Exotic Newcastle Disease Task Force. Poultry pathologist (volunteer) at the California Animal Health and Food Safety Laboratory, San Bernardino, CA.

1993-1996. Technical Service Veterinarian/Director of Health Research (promotion in 1996), H & N International, Redmond, WA. Duties included independent and cooperative health research for the continuous improvement of breeder and commercial layer performance, design and implementation of health programs and disease monitoring of breeding stock at the farm and hatchery levels, supervision of laboratory and technical personnel, technical service to breeder and commercial layer customers worldwide.

UNIVERSITY COMMITTEES

Texas A&M University, Texas Veterinary Medical Diagnostic Laboratory, Search Committee for Director (2008).

Texas A&M University, College of Veterinary Medicine, Search Committee for Applied Poultry Research Faculty (2008).

Chair, Texas A&M University, Texas Veterinary Medical Diagnostic Laboratory, Search Advisory Committee for Resident Director, Poultry Diagnostic Laboratory, Center, TX (2007).

Texas A&M University, Poultry Science Department, Search Committee for Associate Professor/Avian Genomics (2006).

Texas A&M University, Texas Veterinary Medical Diagnostic Laboratory, Search Advisory Committee for Head,

Diagnostic Bacteriology (2004).

Texas A&M University, College of Veterinary Medicine, Search Committee for Faculty in Poultry/Avian Research (2002).

Texas A&M University, Texas Veterinary Medical Diagnostic Laboratory, Search Committee for Associate Vice Chancellor and Executive Director (2001).

GRADUATE ADVISORY COMMITTEE

Samantha Pohl, student, Masters of Science in Poultry Science (2010)

PROFESSIONAL ORGANIZATIONS

American Veterinary Medical Association (AVMA; 1991-present).
Member, Animal Welfare Committee (2007-present)

American Association of Avian Pathologists (AAAP)
Chair, Animal Welfare and Management Practices Committee (2000-2003).

American College of Poultry Veterinarians (ACPV; 1993-present)
Chair, Continuing Education Committee (1997-1999).
Chair, Examination Committee (2003-2005).

United States Animal Health Association (USAHA: 2005-2010)
Member, Transmissible Diseases of Poultry Committee

American Association of Veterinary Laboratory Diagnosticians (AAVLD; 2009-2010)

American College of Animal Welfare (ACAW)
Member, Organizing Committee (2007-present)

World Veterinary Poultry Association (2009-present)

POULTRY INDUSTRY ORGANIZATIONS

Texas Poultry Federation
Emergency Disease Taskforce (1997-2010).

Washington Poultry Improvement Association (1993-1996).
President of the Board of Directors (1996)

COMMUNITY SERVICE

Shiner Catholic School Advisory Council (2007-2009)

Board of Directors of the Gonzales Learning and Career Center (2001-2009)
President of the Board (2003-2004)

Texas AgriLife Extension Service, Gonzales County Leadership Advisory Board, (2001-2010).

Judge in the Gonzales Independent School District Science Fair (2000-2002).

Coach with the Shiner Soccer League, Shiner, TX (2004-2005)

HONORS

Beta Beta Beta, Biological Honor Society, Zeta Alpha Chapter (1984)

Bristol Myers Fellowship for research in pathology (1989).

Pfizer Scholarship for academic achievement and dedication to veterinary medicine (1990).

Ronald Winterfield Award for proficiency in poultry medicine. Given by the Indiana State Poultry Association (1991).

SPECIAL TRAINING

ISO/IEC 17025 and Laboratory Accreditation (ISO/IEC 17025, Quality System Documentation, and Internal Auditing) Course, College Station, TX (May 11-13, 2005)

Poultry Foreign Animal Disease Course, United States Department of Agriculture, National Veterinary Services Laboratory, Ames, IA (Sept. 17-19, 2002)

PUBLICATIONS

Book Chapter

Linares J.A. and Martin M. (2010) Poultry: Behavior and Welfare Assessment. In: Breed M.D. and Moore J., (eds.) Encyclopedia of Animal Behavior, volume 2, pp. 750-756 Oxford: Academic Press.

Peer-reviewed journals

C. Lee, Y. Lee, D. Swayne, D. Senne, **J. Linares**, and D. Suarez. Assessing Potential Pathogenicity of Avian Influenza Virus: Current and Experimental System. Avian Diseases. 51: 260-263. 2007.

R. L. Bohls, **J. A. Linares**, S. L. Gross, P. J. Ferro, N. J. Silvy, E. W. Collisson. Phylogenetic analyses indicate little variation among reticuloendotheliosis viruses infecting avian species, including the endangered Attwater's prairie chicken. Virus Research, Vol. 119, Issue 2, 187-194, 2006.

C. Lee, D. Swayne, **J. A. Linares**, D. Senne, and D. Suarez. H5N2 Avian Influenza Outbreak in Texas in 2004: the First Highly Pathogenic Strain in the United States in 20 Years? Journal of Virology Vol. 79, No. 17, 11412-11421. 2005.

C. Lee, D. Senne, **J. A. Linares**, P. Woolcock, D. Stallknecht, E. Spackman, D. Swayne, and D. Suarez. Characterization of Recent H5 Subtype Avian Influenza Viruses from U.S. Poultry. Avian Pathology 33 (3), 288-297. 2004.

J. A. Linares and W. L. Wigle. *Staphylococcus aureus* pneumonia in turkey poultts with gross lesions resembling aspergillosis. Avian Dis. 45: 1068-1072. 2001.

D. H. Willoughby, A. A. Bickford, B. R. Charlton, G. L. Cooper, and **J. A. Linares**. *Ascaridia dissimilis* larval migration associated with enteritis and low market weights in meat turkeys. Avian Dis. 39:837-843. 1995.

J. A. Linares, R. L. Walker, A. A. Bickford, G. L. Cooper, B. R. Charlton. An outbreak of type C botulism in pheasants and subsequent occurrence in chickens. J Vet Diagn Invest. 6:272-273. 1994.

J. A. Linares, A. A. Bickford, G. L. Cooper, B. R. Charlton, P. R. Woolcock. An outbreak of Infectious Laryngotracheitis in California broilers. Avian Dis. 38:188-192. 1994.

Proceedings

J. A. Linares. Egg Quality Assurance Programs for Table-egg Layers. XVII World Veterinary Poultry Association Congress. pp. 142-143. 2011

J. A. Linares. Regional Diagnostic Laboratory Reports – Midwest Region. 44th National Meeting on Poultry Health and Processing. pp. 25-27. 2009

J. A. Linares. Overview – Perspective from the Diagnostic Laboratory, "What Does the Lab Expect from Field Clinicians?". 2008 AAAP/ACPV Symposium, Managing Respiratory Diseases from the Field, Diagnostic Lab and

through Research; Emerging and Re-emerging Challenges. pp. 9-10. 2008

J. A. Linares. AI Preparedness: the Texas Experience. 58th North Central Avian Disease Conference and Symposium on Lessons Learned from AI Preparation. p. 43. 2007

J. A. Linares, et al. Avian Influenza in Texas, 2004: Limited outbreaks, Serious consequences. American College of Poultry Veterinarians Workshop, Avian Influenza: A Constant Threat to Worldwide Poultry. 2005

J. A. Linares, L. Gayle, L. Sneed and W. Wigle. H5N2 Avian Influenza Outbreak in Texas. 76th Northeastern Conference on Avian Diseases. p. 14. 2004.

J. A. Linares. Animal (Poultry) Welfare. Louisiana Poultry Seminar Proceedings. 2004.

J. A. Linares. Animal Welfare-Current Activities. 33rd Annual Texas Broiler Symposium Proceedings. pp. 1-3. 2001

J. A. Linares, T. B. Blount, and W. L. Wigle. Poult Enteritis-Mortality Syndrome and Turkey Coronavirus in Texas. Proceedings of the 49th North Central Avian Disease Conference and Symposium on Enteric and Emerging Diseases. pp. 44-45. 1998.

J. A. Linares, A. A. Bickford, G. L. Cooper, B. R. Charlton, P. R. Woolcock. Infectious Laryngotracheitis in Broilers. Proceedings of the 42nd Western Poultry Disease Conference. p. 7. 1993.

Abstracts

J. A. Linares. Interesting Cases from the Poultry Diagnostic Laboratory II. AAAP/AVMA Scientific Program. Honolulu, Hawaii. CD ROM. 2006.

J. A. Linares. Interesting Cases from the Poultry Diagnostic Laboratory. Convention Notes from the 142nd AVMA Annual Convention, 28th World Veterinary Congress (CD ROM). 2005.

J. A. Linares, W. L. Wigle and C. Corsiglia. Increased Mortality in Day-Old Poults Associated with Ruptured Yolk Sacs. Convention Notes from the 137th AVMA Annual Convention (CD ROM). 2000.

J. A. Linares, T. B. Blount, C. C. Wu and T. L. Lin. Turkey coronavirus (TCV) IFA vs. modified Infectious Bronchitis ELISA for the detection of TCV antibodies: perspective from a PEMS/TCV outbreak in Texas. Poultry Abstracts. JAVMA Vol. 215, No. 11, pp. 1680-1681. 1999.

J. A. Linares and W. L. Wigle. *Staphylococcus aureus* Pneumonia in Turkey Poults. Program of the 135th Annual Convention of the AVMA. p.194. 1998.

J. A. Linares, W. L. Wigle, and T. L. Lester. Type I Adenovirus Salpingitis in Quail Breeders. Program of the 135th Annual Convention of the AVMA. p.192. 1998.

E. A. Kazacos, J. A. Linares. Zinc-induced pancreatic lesions in Japanese quail. Abstracts of the American Pancreatic Association. PANCREAS. 5:713. 1990.

Trade journals

J. A. Linares and J. El-Attrache. "Top 12 Chicken Ailments". Chickens, Popular Farming™ Series, Bowtie Magazines. Volume 1, pp. 92-103. 2006.

J. A. Linares. "My role as a veterinarian in the egg industry". Korean Poultry Technical Service, Poultry Production and Marketing. No. 65. pp. 54-55. 1995.

J. A. Linares. "AI in Central Mexico is a wake-up call to U.S. poultry industry". Poultry Times. September 25th Issue. p. 18. 1995.

Articles

J. A. Linares and J. B. Nixon. "Urban Chickens". AVMA Animal Welfare Focus. April 2011.

POSTERS

J. A. Linares and W. Wigle. Intestinal Intussusception in Broiler Breeder Pullets. AAAP/AVMA Scientific Program. Honolulu, Hawaii. 2006.

C-W Lee, Y-J Lee, D. Swayne, D. Senne, **J. A. Linares** and D. Suarez. Are There Better Ways to Determine the Potential Pathogenicity of Avian Influenza Virus? AAAP/AVMA Scientific Program. Honolulu, Hawaii. 2006.

B. Lupiani, V. Brahmakshatriya, C. Lamichhane, **J. A. Linares** and S. M. Reddy. Evaluation of the Immune Response of Chickens to Individual Avian Influenza Proteins. AAAP/AVMA Scientific Program. Honolulu, Hawaii. 2006.

M. Garcia, S. Riblet, J. Humbert, and **J. A. Linares**. Rapid characterization of Infectious Laryngotracheitis virus by restriction fragment polymorphism of PCR products. Poster at the Poultry Medicine Section of the 136th Annual Convention of the AVMA. 1999.

PRESENTATIONS

Antimicrobial Options for a Diversified Poultry Production. Poultry Institute, Avian Health & Food Safety Laboratory, Washington State University-Puyallup. Puyallup. Washington. (11/3/11)

Field Necropsy. Poultry Institute, Avian Health & Food Safety Laboratory, Washington State University-Puyallup. Puyallup. Washington. (11/3/11)

Egg Quality Assurance Programs for Table-Egg Layers. XVII Congress of the World Veterinary Poultry Association. Cancun, Mexico. (8/14/11)

National Poultry Pathology Refresher Workshop (**Trainer**). USDA APHIS, Department of Animal Production and Health (DAFH) and the National Veterinary Research Institute (NaVRI). Preah Sihanouk, Cambodia. (7/12-16/10).

Taller De Patología Aviar (Poultry Pathology Workshop) (**Trainer**). USDA APHIS, Ministerio de Agricultura y Ganadería, El Salvador. San Salvador, El Salvador. (6/22-25/10).

Creating Laboratory Capacity. Norman Borlaug Institute for International Agriculture. Iraq Agricultural Extension Revitalization (IAER) Project. Poultry Workshop. College Station, Texas. (11/2/09).

Avian/ Poultry Necropsy. Norman Borlaug Institute for International Agriculture. Iraq Agricultural Extension Revitalization (IAER) Project. Poultry Workshop. College Station, Texas. (11/2/09).

Participation in International Activities. Texas Veterinary Medical Diagnostic Laboratory Seminar. College Station, Texas. (11/2/09).

Regional Diagnostic Laboratory Reports – Midwest Region (**Invited speaker**). 44th National Meeting on Poultry Health and Processing. Ocean City, Maryland. (9/29/09).

Interesting Cases from the Poultry Diagnostic Laboratory. National Poultry Pathology Workshop (**Trainer**). USDA APHIS, Department of Animal Production and Health (DAFH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/3/09).

Texas Experience with Avian Influenza. National Poultry Pathology Workshop (**Trainer**). USDA APHIS, Department of Animal Production and Health (DAFH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/3/09).

Avian Influenza Specimen Collection and Testing. National Poultry Pathology Workshop (**Trainer**). USDA APHIS, Department of Animal Production and Health (DAFH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/2/09).

Fowl Cholera. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/1/09).

Colibacillosis. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/1/09).

Mycoplasma. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/1/09).

Salmonella. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (9/1/09).

Movement Controls and Quarantine. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Disease Surveillance. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Laboratory Capacity. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Duck Viral Hepatitis. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Newcastle Disease. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Infectious Laryngotracheitis. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Fowl Pox. National Poultry Pathology Workshop **(Trainer)**. USDA APHIS, Department of Animal Production and Health (DAPH), the National Veterinary Research Institute (NaVRI) and the National School of Agriculture Kampong Cham. Kampong Cham, Cambodia. (8/31/09).

Texas Experience with Avian Influenza. Poultry Pathology Workshop **(Trainer)**. USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/15/09).

Avian influenza Specimen Collection and Tests. Poultry Pathology Workshop **(Trainer)**. USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/15/09).

Laboratory Capacity. Poultry Pathology Workshop **(Trainer)**. USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/15/09).

Euthanasia Methods: Pros and Cons. Poultry Pathology Workshop **(Trainer)**. USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/14/09).

Interesting Cases from the Poultry Diagnostic Laboratory. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/14/08).

Colibacillosis. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/13/09).

Salmonella. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/13/09).

Mycoplasma. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/13/09).

Fowl Cholera. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/13/09).

Avian Influenza. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/12/09).

Avian Pox. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/12/09).

Infectious Laryngotracheitis. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (5/12/09).

Animal Welfare Update. (**Invited Speaker**) 2009 Texas Commercial Egg Clinic, Bryan, TX (4/23/09)

Casos del Laboratorio Diagnostico. Grupo de Trabajo Avicola (GTA; Poultry Working Group) (**Invited Speaker**). Argentina. (4/17/09).

Texas Outbreaks of High and Low Pathogenicity Avian Influenza: Laboratory Perspective (**Invited Speaker**). National Poultry Improvement Plan Avian influenza Diagnostic Workshop. Athens, GA. (12/3/08)

Texas Experience with Avian Influenza. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Avian influenza Specimen Collection and Tests. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Laboratory Capacity and Introduction to Laboratory Systems. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Avian Influenza. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Coccidiosis. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Colibacillosis. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Salmonella. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Mycoplasma. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Avian Pox. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Newcastle Disease. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Infectious Laryngotracheitis. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM ; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/16/08).

Practical Poultry Necropsy Exercise. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/15/08).

Euthanasia Methods: Pros and Cons. Poultry Pathology Workshop (**Trainer**). USDA APHIS and Ecole Inter-etats des Sciences et Medicine Veterinaires de Dakar (EISVM; Inter-State Veterinary College of Dakar). Dakar, Senegal, Africa. (9/15/08).

Avian Influenza. Avian and Pandemic Flu: What's the Connection? Animal health and Humans. (**Invited Speaker**). Tarrant County Public Health. Fort Worth, TX. (7/28/08)

Laboratory Capacity. Avian and Pandemic Flu: What's the Connection? Animal health and Humans. (**Invited Speaker**). Tarrant County Public Health. Fort Worth, TX. (7/28/08)

AI Specimen Collection and Tests. Avian and Pandemic Flu: What's the Connection? Animal health and Humans. (**Invited Speaker**). Tarrant County Public Health. Fort Worth, TX. (7/28/08)

Surveillance. Avian and Pandemic Flu: What's the Connection? Animal health and Humans. (**Invited Speaker**). Tarrant County Public Health. Fort Worth, TX. (7/28/08)

Movement Controls and Quarantine. Avian and Pandemic Flu: What's the Connection? Animal health and Humans. (**Invited Speaker**). Tarrant County Public Health. Fort Worth, TX. (7/28/08)

Overview – Perspective from the Diagnostic Laboratory, “What Does the Lab Expect from Field Clinicians?”. 2008 AAAP/ACPV Symposium, Managing Respiratory Diseases from the Field, Diagnostic Lab and through Research; Emerging and Re-emerging Challenges. 145th Annual Convention of the American Veterinary Medical Association/AAAP Annual Meeting. (**Invited Speaker**). New Orleans, LA. (7/20/08)

Case Studies from the Poultry Diagnostic Laboratory. 57th Western Poultry Disease Conference (**Invited Speaker**). Puerto Vallarta, Mexico. (4/10/08)

Desarrollo de Controles de Movilización y Cuarentena Enfocado al Mercado de Aves Vivas. Bioseguridad en los Mercados de Aves Vivas (**Trainer**). OIRSA/USDA. San Salvador, El Salvador. (3/12/08)

Conceptos de los Planes de Vigilancia Enfocado al Mercado de Aves Vivas. Bioseguridad en los Mercados de Aves Vivas (**Trainer**). OIRSA/USDA. San Salvador, El Salvador. (3/12/08)

Creación de la Capacidad de Laboratorios Relacionada con el Mercado de Aves Vivas. Bioseguridad en los Mercados de Aves Vivas (**Trainer**). OIRSA/USDA. San Salvador, El Salvador. (3/12/08)

Specimen Collection and Laboratory Diagnostic Testing for Avian Influenza in Birds. Introduction to Avian Influenza Surveillance and Response: Human Health-Animal Health (**Invited Speaker**). Texas Department of State Health Services. College Station, TX. (12/10/07)

Texas Outbreaks of High and Low Pathogenicity Avian Influenza: Laboratory Perspective (**Invited Speaker**). National Poultry Improvement Plan Avian influenza Diagnostic Workshop. Athens, GA. (11/6/07)

Prevención, control y monitoreo de Coccidiosis. III Jornada Avícola. ANAVIH. San Pedro Sula, Honduras. (5/16/07)

Vacunar o No Contra Influenza Aviar. III Jornada Avícola. ANAVIH. San Pedro Sula, Honduras. (5/16/07)

Cases from the Poultry Diagnostic Laboratory (**Invited Speaker**). 56th Western Poultry disease Conference. Las Vegas, NV (3/28/07)

Interesting Cases from the Poultry Diagnostic Lab. (**Invited Speaker**) Poultry Science and USDA-ARS-SPARC Spring Seminar Series. Texas A&M University, College Station, TX (3/22/07).

AI Preparedness: the Texas Experience (**Invited Speaker**). 58th North Central Avian Disease Conference and Symposium on Lessons Learned from AI Preparation. St. Paul, MN (3/13/07).

Diseases of Show Broilers. (**Invited Speaker**) Rising Star 4-H Club. Gonzales, TX (2/6/07)

TVMDL, Poultry Diagnostic Laboratory. (**Invited Speaker**) Rising Star 4-H Club. Gonzales, TX (2/6/07)

Texas Outbreaks of High and Low Pathogenicity Avian Influenza: Laboratory Perspective (**Invited Speaker**). National Poultry Improvement Plan Avian Influenza Diagnostic Workshop. Athens, GA (11/14/06)

Interesting Cases from the Poultry Diagnostic Laboratory II. AAAP/AVMA Scientific Program. Honolulu, Hawaii. July 16, 2006.

Necropsy Techniques & Sampling (**Trainer**). International Avian influenza Seminar. US State Department/DOD/USDA. Kiev, Ukraine (1/19/06)

Avian Influenza ELISA and Antigen Capture (**Trainer**). International Avian influenza Seminar. US State Department/DOD/USDA. Kiev, Ukraine (1/19/06)

Avian Influenza Agar gel Immunodiffusion Test (**Trainer**). International Avian influenza Seminar. US State Department/DOD/USDA. Kiev, Ukraine (1/18/06)

Texas Outbreaks of High and Low Pathogenicity Avian Influenza: Laboratory Perspective (**Invited Speaker**). National Poultry Improvement Plan Avian Influenza Diagnostic Workshop. Athens, GA (11/15/05)

Texas A&M Poultry Health Program Resources: TVMDL Perspective. (**Invited Speaker**) 2005 Texas Broiler Symposium. Nacogdoches, TX (10/20/05)

Necropsy Techniques & Sampling. (**Invited Speaker**) Texas Gamebird Conference. Bryan, TX (8/6/05).

Interesting Cases from the Poultry Diagnostic Laboratory. AVMA Annual Convention, World Veterinary Congress. Minneapolis, MN (7/18/05).

Avian Influenza, (**Invited Speaker**) Rotary Club of Gonzales, Gonzales, TX (6/7/05)

Avian Influenza in Texas, 2004: Limited outbreaks, serious consequences (**Invited Speaker**). American College of Poultry Veterinarians Workshop, Avian Influenza: A Constant Threat to Worldwide Poultry. Vancouver, B.C., Canada (4/24/05)

H5N2 and H7N3 Avian Influenza in Texas, 2004. (**Invited Speaker**) Poultry Science Seminar Series. Texas A&M University, College Station, TX (3/3/05)

Texas A&M Poultry Health Meeting: TVMDL Perspective. Texas A&M University Agriculture Program Conference. Poultry Health Meeting. College Station, TX (1/11/05)

H5N2 and H7N3 Avian Influenza Outbreaks in Texas in 2004. (**Invited Speaker**) Committee on Transmissible Diseases of Poultry and Other Avian Species. United States Animal Health Association. Greensboro, NC (10/26/04)

Avian Influenza Outbreaks in Texas (**Invited Speaker**). Association of Veterinarians in Broiler Production. Philadelphia, PA. (7/24/04)

H5N2 Avian Influenza Outbreak in Texas (**Invited Speaker**). 76th Northeastern Conference on Avian Diseases. State College, PA (6/10/04).

Highly pathogenic AI in Texas – What happened? What can we learn? (**Invited Speaker**). Texas Commercial Egg Clinic. Bryan, TX (5/13/04).

H5N2 Avian Influenza Outbreak in Gonzales County. (**Invited Speaker**) Texas Poultry Federation, Board of Directors Meeting. Kerrville, TX (4/30/04).

Diseases of Show Broilers or Managing Rapid Growth. (**Invited Speaker**) District 10 4-H Poultry Workshop. Seguin, TX (10/25/03).

Texas A&M Poultry Health Group and the Poultry Industry: TVMDL Perspective. Pathobiology Seminar. (**Invited Speaker**) Texas A&M University, College of Veterinary Medicine. College Station, TX (9/23/03)

Exotic Newcastle Disease: Prevention is the Key. (**Invited Speaker**) Texas Cooperative Extension Seminar, Gonzales, TX (6/23/03).

Exotic Newcastle Disease: Prevention is the Key. (**Invited Speaker**) Gonzales County Young Farmers Association, Gonzales, TX (5/22/03).

Exotic Newcastle Disease: Prevention is the Key. (**Invited Speaker**) Gonzales County Commissioners Court, Gonzales, TX (5/16/03).

Exotic Newcastle Disease: Prevention is the Key. (**Invited Speaker**) Gonzales City Council, Gonzales, TX (5/5/03)

Animal Welfare: Major Issues. (**Invited Speaker**) 2003 Texas Commercial Egg Clinic, Bryan, TX (4/23/03)

Exotic Newcastle Disease: Experiences from the California Outbreak. (**Invited Speaker**) 2003 Texas Commercial Egg Clinic, Bryan, TX (4/23/03)

Animal Welfare: Current Activities. (**Invited Speaker**) 2001 Texas Broiler Symposium, Nacogdoches, TX (9/27/01).

Trends in Animal Welfare. (**Invited Speaker**) Texas Poultry Federation Board of Directors Meeting, Corpus Christy, TX (4/26/01).

Increased Mortality in Day-Old Poults Associated with Ruptured Yolk Sacs. AVMA Annual Convention, Salt Lake City, UT (7/25/00).

Overview of the TVMDL Poultry Diagnostic Laboratory. (**Invited Speaker**) Texas Animal Health Commission, Spring Work Conference, Salado, TX (3/23/00).

Turkey coronavirus (TCV) IFA vs. modified Infectious Bronchitis ELISA for the detection of TCV antibodies: perspective from a PEMS/TCV outbreak in Texas. AVMA Annual Convention, New Orleans, LA (7/13/99).

Health Problems in Youth Project Flocks. (**Invited Speaker**) 1999 Texas Market Poultry Production and Selection Workshop, Texas A&M University, College Station, TX (5/15/99)

Diseases of Peafowl. (**Invited Speaker**) United Peafowl Association, Lake Jackson, TX (10/30/98).

TVMDL and the Gonzales Poultry Diagnostic Laboratory. (**Invited Speaker**) Gonzales Noon Lions Club (10/19/98).

Poult Enteritis-Mortality Syndrome and Turkey Coronavirus in Texas. 49th North Central Avian Disease Conference and Symposium on Enteric and Emerging Diseases, Indianapolis, IN (9/28/98).

Type I Adenovirus Salpingitis in Quail Breeders. AVMA Annual Convention, Baltimore, MD (7/28/98).

Staphylococcus aureus Pneumonia in Turkey Poults. AVMA Annual Convention, Baltimore, MD (7/29/98).

Principles of Biosecurity for the Poultry Industry. (**Invited Speaker**) Norwest Bank Seminar, Gonzales, TX (6/29/98).

Heat Stress Management. (**Invited Speaker**) Norwest Bank Seminar, Gonzales, TX (6/29/98).

Poultry Diseases. (**Invited Speaker**) Texas Agricultural Extension Service, Poultry Compost Program, Gonzales, TX (1/13/98).

Vaccination Procedures and Evaluation. (**Invited Speaker**) 1997 Texas Commercial Egg Clinic, Austin, TX (4/10/97).

Infectious Laryngotracheitis in Broilers. 42nd Western Poultry Disease Conference, Sacramento CA (3/1/93).