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## BIOGRAPHICAL SKETCH

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NAME Jorge A Hernandez Hernandezja@ufl.edu	POSITION TITLE Professor
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### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Colorado State University, Fort Collins	PhD	12/1990	Epidemiology
University of California, Davis	MPVM	08/1985	Preventive Medicine
University of Baja California, Mexico	DVM	08/1983	Veterinary Medicine

### A. PERSONAL STATEMENT

I am a veterinary epidemiologist with interest in diseases of economic and public health importance in animal and human populations, as well as capacity building and training in animal health in national veterinary services. I have experience in education, research, and capacity building programs in the US, Latin America and the Caribbean, South East Asia, and West Africa.

### B. POSITIONS AND HONORS

#### Positions and Employment

2007-present	Professor, Department of Clinical Sciences, College of Veterinary Medicine, University of Florida
2003-2007	Associate Professor, Department of Large Animal Clinical Sciences, College of Veterinary Medicine, University of Florida
1998-2003	Assistant Professor, Department of Large Animal Clinical Sciences, College of Veterinary Medicine, University of Florida
1996-1998	Analytical Epidemiologist, Texas Animal Health Commission.
1991-1996	Professor, School of Veterinary Medicine, University of Baja California.

#### Honors

UF Health Science Center: Superior Accomplishment Award (2003)  
UF Distinguished International Educator Award (2004, 2006)

#### Professional Memberships

Association of Veterinary Epidemiology and Preventive Medicine  
International Society of Veterinary Epidemiology and Economics

### C. PEER-REVIEWED PUBLICATIONS

Ekiri A, House A, Krueger T, **Hernandez JA**. Are equine hospital surveillance and infection control services relevant and well accepted? Feedback from referral veterinarians and clients. *J Am Vet Med Assoc* 2013 (accepted).

**Winter M**, Londo L, Berry C, Reese D, Hernandez JA. Ultrasonographic evaluation of relative gastrointestinal layer thickness in cats without clinical evidence of gastrointestinal tract disease. *J Feline Med Surg* 2013 (accepted).

Chang LW, Fu A, Wozniak E, Chow M, Duke DG, Green L, Kelley K, Hernandez JA, **Jacobson ER**. Immunohistochemical detection of a unique protein within cells of snakes having inclusion body disease, a world-wide disease seen in members of the families Boidae and Pythonidae. *Public Library of Science (PLOS-One)* 2013 (accepted).

Aimey V, Hunte K, Whitehall P, Sanford B, Trotman M, Delgado A, Lefrancois T, Shaw J, **Hernandez JA**. Prevalence of and examination of exposure factors for *Salmonella* on commercial egg-laying farms in Barbados. *Preventive Veterinary Medicine* 2013;110:489-496.

Lindeman M, **Isaza R**, Prins C, Hernandez JA. Point prevalence and incidence of *Mycobacterium tuberculosis* complex in captive elephants in the United States of America. *Veterinary Quarterly* 2013;33:25-29.

**Fasina FO**, Connell DR, Talabi OA, Lazarus DD, Adeleke GA, Olusanya TP, Hernandez JA. Foot-and-mouth disease virus strains and examination of exposure factors associated with seropositivity of cattle in Nigeria during 2007-2009. *Preventive Veterinary Medicine* 2013;109:334-342.

**Stacy N**, Innis CJ, Hernandez JA. Development and evaluation of three mortality prediction indices for cold-stunned Kemp's ridley sea turtles. *Conservation Physiology* 2013;1:10.1093/conphys/cot003.

Anderson T, Crawford C, Dobovi E, Gibbs P, **Hernandez JA**. Prevalence and exposure factors for H3N8 canine influenza virus seropositivity in US dogs with influenza-like-illness. *J Am Vet Med Assoc* 2013;242:209-216.

Hernandez JA, **Risco C**, Lima F, Santos J. Observed and expected joint effects of clinical mastitis and low body condition on pregnancy loss in dairy cows. *Theriogenology* 2012;77:115-121.

Preston S, Brown M, Chmielewski, Trumble T, Zimmel D, **Hernandez JA**. Effects of yearling sale purchase price, exercise history, lameness and athletic performance on purchase price of Thoroughbreds at 2-year-old in-training sales. *J Am Vet Med Assoc* 2012;241:1499-1504.

Preston S, Brown M, Trumble T, Chmielewski T, Zimmel D, **Hernandez JA**. Effects of various presale radiographic findings for yearling Thoroughbreds on 2-year-old racing performance. *J Am Vet Med Assoc* 2012;241:1505-1513.

Anderson T, Bromfield C, **Crawford C**, Dodds W, Gibbs P, Hernandez JA. Serological evidence of H3N8 canine influenza-like virus circulation in US dogs prior to 2004. *The Veterinary Journal* 2012;191:312-316.

**Fasina FO**, Rivas AL, Bisschop SPR, Stegeman AJ, Hernandez JA. A case-control study for identification of risk factors associated with highly pathogenic H5N1 avian influenza virus infection in poultry farms in Nigeria during the epidemic of 2006-2007. *Prev Vet Med* 2011;98:204-208.

Atkins A, **Jacobson E**, Hernandez JA, Bolten A, Lu X. Use of a portable point-of-care (Vetscan VS2) biochemical analyzer for measuring plasma biochemical levels in free-living loggerhead sea turtles (*Caretta caretta*). *J Zoo Wildl Med* 2010;41:585-593.

Ekiri A, Morton A, Long M, MacKay R, **Hernandez JA**. Review of the epidemiology and infection control aspects of nosocomial *Salmonella* infections in hospitalized horses. *J Equine Vet Edu* 2010;22:631-641.

Johnson E, MacKay R, **Hernandez JA**. An epidemiologic study of anhidrosis in horses in Florida. *J Am Vet Med Assoc* 2010;236:1091-1097.

Preston S, Zimmel D, Chmielewski, Trumble T, Brown M, **Hernandez JA**. Prevalence of abnormal radiographic findings, pre-sale arthroscopic surgery, and their association with sales price in Thoroughbred yearlings sold in Kentucky. *J Am Vet Med Assoc* 2010;236:440-446.

King S, Puerto J, Sierra E, Erales J, Bolio M, Brown M, **Hernandez JA**. Prevalence of lameness in carriage horses in Yucatan, Mexico. *Intl J Appl Res Vet Med* 2009;7:206-213.

**Hernandez JA**, Krueger T, Robertson S, Isaza N, Greiner E, Heard D, Stone A, Bellville M, Condor-Williams V. Education of global veterinarians. *Prev Vet Med* 2009;92:275-283.

Ekiri A, MacKay R, Gaskin J, Freeman D, House A, Giguère S, Troedsson M, Schuman C, von Chamier M, Henry K, **Hernandez JA**. Epidemiologic analysis of nosocomial *Salmonella* infections in hospitalized horses. *J Am Vet Med Assoc* 2009;234:108-119.

Preston S, Trumble T, Zimmel D, Chmielewski, Brown M, **Hernandez JA**. Lameness, athletic performance and financial returns in Thoroughbred pinhooked yearling horses. *J Am Vet Med Assoc* 2008;232:85-90.

Kirkby K, **Lewis D**, La Fuente P, Radasch R, Fitzpatrick, Ferese J, Wheeler J, Hernandez JA. Management of humeral and femoral fractures in dogs and cats with linear –circular hybrid external skeletal fixators. *J Am Animal Hospital Assoc* 2008;44:180-197.

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**Hernandez JA**, Garbarino E, Shearer J, Risco C, Thatcher W. Evaluation of the efficacy of prophylactic hoof health examination and trimming during mid-lactation in reducing the incidence of lameness during late lactation in Holstein cows. *J Am Vet Med Assoc* 2007;230:89-93.

Lindholm A, Hewitt E, Torres P, Lasso M, Echeverria C, Shaw J, **Hernandez JA**. Epidemiologic aspects of a foot-and-mouth disease epidemic in cattle in Ecuador. *International Journal of Applied Research in Veterinary Medicine* 2007;5:17-23.

Santoro D, **Marsella R**, Hernandez JA. Investigation on the association between atopic dermatitis and the development of mycosis fungoides in dogs: a retrospective case control study. *Veterinary Dermatology* 2007;18:101-106.

**Brown M**, Trumble T, Plaas A, Sandy J, Romano R, Hernandez JA, Merritt K. Exercise and injury increase chondroitin sulfate chain length and decrease hyaluronan chain length in synovial fluid. *Osteoarthritis and Cartilage* 2007;15:1318-1325.

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Nollens H, Gulland F, Hernandez JA, Condit R, Klein P, Walsh M and **Jacobson E**. Seroepidemiology of poxvirus infections in captive and free-ranging California sea lions (*Zalophus californianus*). *J Diseases of Aquatic Organisms* 2006;69:153-161.

Nollens H, Gulland F, **Jacobson E**, Hernandez JA, Klein A, Walsh M and Condit R. Paramixoviruses of seals and sea lions make up a distinct subclade within the genus *Parapoxvirus*. *Virology* 2006;349:316-324.

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Nollens H, Hernandez JA, **Jacobson E**, Haulena M, Gulland F. Risk factors associated with poxvirus lesions in hospitalized California sea lions (*Zalophus californianus*). *J Am Vet Med Assoc* 2005;227:467-473.

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Steenholdt C, **Hernandez JA**. Risk factors associated with umbilical hernias in Holstein heifers during the first two months of life. *J Am Vet Med Assoc* 2004;224:1487-1490.

Ernst N, **Hernandez JA**, MacKay R, Brown M, Gaskin J, Nguyen A, Giguere S, Colahan P, Troedsson M, Haines G, Addison I, Miller B. Risk factors associated with *Salmonella* shedding in hospitalized horses with signs of gastro-enteric disease. *J Am Vet Med Assoc* 2004;225:275-281.

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**Valverde A**, Cantwell S, Hernandez JA, Brotherson C. Effects of acepromazine on the incidence of vomiting associated with opioid administration in dogs. *Veterinary Anesthesia and Analgesia* 2004;31:40-45.

Gunkel C, **Valverde A**, Morey T, Hernandez JA, Robertson S. Comparison of non-invasive cardiac output measurement by partial carbon dioxide rebreathing with the lithium dilution method in anesthetized dogs. *J Vet Emergency & Critical Care* 2004;14:1-9.

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**Hernandez JA**, Gurria F, Hird D, Bushnell R. Bovine mastitis in three dairy farms in the Mexicali Valley. *Vet Mex* 1990;4:393-398.

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#### **D. RESEARCH SUPPORT**

**Jorge Hernandez (PI)**. USDA Foreign Agricultural Service: Office of Capacity Building and Development. Capacity building and training program in animal health in Peru. \$216,447; October 2010 to June 2013; FTE 15%.



E Goss E (PI), N Keyhani N (CoI), **Jorge Hernandez (Co-PI)**. Evolution and epidemiology of the plant and animal pathogen *Pythium insidiosum*. UF Division of Sponsored Research Opportunity Fund. May 2012 to April 2014. \$88,161 (\$17,246 administered by Hernandez; No Indirect Cost); FTE 10%.

**Pending**

**Jorge Hernandez (PI)**. Understanding parasitic disease transmission and control strategies to improve animal and human health under different environmental conditions in Senegal. USAID. \$249,332. FTE 22%. October 2013 to April 2015.