

BIOGRAPHICAL SKETCH

NAME	LUPIANI, Blanca	POSITION TITLE	Assistant Professor
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
University of Santiago de Compostela, Spain	B.S.	1988	Molecular Biology
University of Santiago de Compostela, Spain	M.S.	1989	Microbiology
University of Maryland, College of Veterinary Medicine, College Park, MD	Ph.D.	1994	Molecular Virology

Professional Experience

1989-1991	Research Assistant, Department of Microbiology, University of Maryland, College Park, MD
1995	Volunteer Scientist, USDA/ARS, Beltsville Area Research Center, Beltsville, MD
1995-1997	Postdoctoral Research Associate, USDA/ARS, Beltsville Area Research Center, Beltsville, MD
1997-2000	Postdoctoral Research Associate, USDA/ARS, Avian Disease and Oncology Laboratory, East Lansing, MI
2000-2002	Research Associate, Animal Health and Diagnostic Laboratory, College of Veterinary Medicine, Michigan State University, East Lansing, MI
2002-	Assistant Professor, Department of Veterinary Pathobiology, Texas A&M University, College Station, TX

Honors and Awards

Predoctoral Fellowship, Fulbright Commission/Ministry of Education, Spain (1991-1994)
 Student Travel Award, American Society for Virology (1993)
 Predoctoral Fellowship, Province of Galicia, Spain (1988-1989)

Publications in the last 5 years

- Reddy, S.M.*, Lupiani, B.*, Silva, R., Lee, L., and Witter R. 2002. Rescue of a pathogenic Marek's disease virus using overlapping cosmid DNAs: use of pp38 mutant to validate the technology for the study of gene function. *Proceedings of the National Academy of Science, USA*. 99(10):7054-7059. (* Contributed equally to this work.)
- Gingerich, E., Porter, R.E., Lupiani, B. and Fadly, A.M. 2002. Diagnosis of subgroup J-Like Avian Leukosis Virus Infection and Tumors in Commercial White Egg Laying Flocks. *Avian Diseases* 46: 745-748.
- Lupiani, B., Lee L.F. and Reddy S.M. 2001. Protein-coding content of the sequence of Marek's disease virus type 1. *Current Topics in Microbiology and Immunology* 255: 159-190.
- Hunt, H.D., Lupiani, B., Miller, M.M., Gimeno, I., Lee, L.F. and Parcells, M.S. 2001. Marek's disease virus down regulates surface expression of MHC (B complex) class I (BF) glycoproteins during active but not latent infection of chicken cells. *Virology* 282: 198-205.
- Lupiani, B., Hunt, H.D., Silva, R.F. and Fadly, A. 2000. Identification and characterization of recombinant subgroup J avian leukosis viruses (ALV) expressing subgroup A ALV envelope. *Virology* 276 (1): 37-43.
- Raina, A.K., Adams, J.R., Lupiani, B., Lynn, D.E., Kim, W., Burand, J.P. and Dougherty, E.M. 2000. Further characterization of the gonad-specific virus of corn earworm, *Helicoverpa zea*. *Journal of Invertebrate Pathology* 76: 6-12.
- Lupiani, B., Raina, A.K. and Huber, C. 1999. Development of a PCR assay for the detection of *Helicoverpa zea* reproductive virus (HzRV) infections in the corn earworm. *Journal of Invertebrate Pathology* 73:107-12.
- Lupiani, B., Reddy, S.M. and Samal, S.K. 1997. Sequence analysis of genome segment 10 encoding the major outer capsid protein (VP7) of genogroup B aquareovirus and its relationship with the VP7 protein of genogroup A aquareovirus. *Archives of Virology* 142:2547-52.
- Lupiani, B., Reddy, S.M., Subramanian, K. and Samal, S.K. 1997. Characterization of the gene encoding the major outer capsid protein of an aquareovirus. *Journal of General Virology* 78: 1379-1383.
- Mallipeddi, S.K., Lupiani, B. and Samal, S.K. 1996. Mapping the domains on the phosphoprotein of bovine respiratory syncytial virus required for N-P interaction using a two hybrid system. *Journal of General Virology* 77: 1019-1023.
- Lupiani, B., Subramanian, K. and Samal, S.K. 1995. Aquareoviruses. *Annual Review of Fish Diseases* 5: 175-208
- Samal, S.K., Subramanian, K. and Lupiani, B. 1995. Characterization of two aquareovirus proteins. *Veterinary Research* 26: 388-393.
- Lupiani, B., Hetrick, F.M. and Samal, S.K. 1994. Identification of the angelfish, *Pomacanthus semicirculatus*, aquareovirus as a member of aquareovirus genogroup A using RNA-RNA blot hybridization. *Journal of Fish Diseases* 17: 667-672.

- Lupiani, B., Hetrick, F.M. and Samal, S.K. 1993. Genetic analysis of aquareoviruses using RNA-RNA blot hybridization. *Virology* 197: 475-479.
- Subramanian, K., Lupiani, B., Hetrick, F.M. and Samal, S.K. 1993. Detection of aquareovirus RNA in fish tissues by nucleic acid hybridization with a cloned cDNA probe. *Journal of Clinical Microbiology* 31: 1612-1614.
- Lupiani, B., Subramanian, K., Hetrick, F.M. and Samal, S.K. 1993. A genetic probe for identification of the turbot aquareovirus in infected cell cultures. *Diseases of Aquatic Organisms* 15: 187-192.
- Lupiani, B., Baya, A., Magariños, B., Romalde, J.L., Li, T., Roberson, B.S., Hetrick, F.M. and Toranzo, A. E. 1993. *Vibrio mimicus* and *Vibrio cholerae* non-01 isolated from wild and hatchery-reared fish. *Fish Pathology* 28: 15-26.
- Baya, A., Toranzo, A.E., Lupiani, B., Santos, Y. and Hetrick, F.M. 1992. *Serratia marcescens*, a potential pathogen for fish. *Journal of Fish Diseases* 15: 15-26.
- Baya, A., Lupiani, B., Bandín, I., Hetrick, F.M., Figueras, A., Carnahan, A., May, E.M. and Toranzo, A.E. 1992. Phenotypic and pathobiological properties of *Corynebacterium aquaticum* isolated from diseased striped bass. *Diseases of Aquatic Organisms* 14: 115- 126.
- Baya, A., Toranzo, A.E., Lupiani, B., Li, T., Roberson, B.S. and Hetrick, F.M. 1991. Biochemical and serological characterization of *Carnobacterium spp.* isolated from farmed and natural populations of striped bass and catfish. *Applied and Environmental Microbiology* 57: 3114-3120.
- Samal, S.K., Dopazo, C.P., Subramanian, K., Lupiani, B., Mohanty, S.B. and Hetrick, F.M. 1991. Heterogeneity in the genomic RNA's and polypeptides of five members of a novel group of rotavirus-like viruses isolated from aquatic animals. *Journal of General Virology* 72: 181-184.
- Dopazo, C.P., Lupiani, B., Rivas, C., Novoa, B., Barja, J.L. and Toranzo, A.E. 1991. Influence of the temperature and cell line on the adsorption and replication of five fish rotaviruses. *Fish Pathology* 26: 169-175.
- Dopazo, C.P., Rivas, C., Lupiani, B. and Toranzo, A.E. 1990. Effect of the temperature on the stability of five fish rotaviruses. *Actas II Congreso Nacional de Acuicultura*: 827-832.
- Dopazo, C.P., Lupiani, B., Barja, J.L., Samal, S.K. and Hetrick, F.M. 1990. Cell line susceptibility to five fish rotaviruses. *Bulletin of the European Association of Fish Pathologists* 10: 128-129.
- Baya, A., Lupiani, B., Hetrick, F.M., Roberson, B.S., Lukacovic, R., May, E. and Poukish, C. 1990. Association of a *Streptococcus* species with fish mortalities in the Chesapeake Bay and its tributaries. *Journal of Fish Diseases* 13: 251-253.
- Ledo, A., Lupiani, B., Dopazo, C.P., Toranzo, A.E. and Barja, J.L. 1990. Viral infections in cultured fishes in North West of Spain. *Microbiología SEM* 6: 21-29.
- Lupiani, B., Dopazo, C.P., Ledo, A., Fouz, B., Barja, J.L., Hetrick, F.M. and Toranzo, A.E. 1989. New syndrome of mixed bacterial and viral etiology in cultured turbot, *Scophthalmus maximus*. *Journal of Aquatic Animal Health* 1: 197-204.
- Dopazo, C.P., Montes, J., Ledo, A. Lupiani, B. and Barja, J.L. 1988. Adaptation of CHSE-214 cell line to grow under salinity conditions. *Bulletin of the European Association of Fish Pathologists* 8: 101-103.
- Ledo, A., Dopazo, C.P., Lupiani, B., Barja, J.L. and Toranzo, A.E. 1987. Incidence of the infectious pancreatic necrosis virus (IPNV) in Galicia. *Cuadernos Marisqueros Publicaciones Técnicas* 12: 645-649.
- Lupiani, B., Williams, S., Silva, R.F., Hunt, H.D. and Fadly, A. Biological characterization of two ALV A/J recombinant viruses generated in tissue culture. To be submitted to *Avian Diseases*.
- Reddy, S.M., Dexin S., Ping W., Lupiani, B., and Lee, L., Identification and characterization of a Marek's disease virus gene encoding the major capsid protein. To be submitted to *Virus Genes*
- Lupiani, B., Silva, R.F., Lee, L. F. and Reddy, S.M 2000. Characterization of the US/TRS junction regions of different MDV isolates. To be submitted to *Virus Genes*.

Grants in the last 5 years

- 1991-1994 Principal Investigator: Molecular characterization of aquareoviruses. Fulbright Commission-Ministry of Education, Spain. (\$150,000).