

## BIOGRAPHICAL SKETCH

NAME	El-ATTRACHE, John		POSITION TITLE	Assistant Professor
EDUCATION/TRAINING				
INSTITUTION AND LOCATION		DEGREE	YEAR CONFERRED	FIELD OF STUDY
Texas Tech University, Lubbock, TX		B.S.	1992	Biochemistry
University of Georgia, Athens, GA		M.S.	1999	Medical Microbiology
University of Georgia, Athens, GA		Ph.D.	2001	Medical Microbiology

### Professional Experience

1992	Research Assistant/Microbiology Assistant, Department of Biological Sciences, Texas Tech University, Lubbock, TX
1994-1997	Laboratory Coordinator, Virology Laboratory, Poultry Diagnostic and Research Center, Athens, GA
1997-2001	Research Coordinator, Virology Laboratory, Poultry Diagnostic and Research Center, Athens, GA
2001-2002	Research Associate, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia (Postdoctoral), Athens, GA
2002-	Assistant Professor, Department of Veterinary Pathobiology, College of Veterinary Medicine, Texas A&M University, College Station, TX

### Publications in the last 5 years

- El-Attrache, J., G. Rowland, P. Villegas, B. O'Connor, R. Buhr. April 1997. Adenovirus pathogenicity in immature ostriches. American Ostrich Research Foundation. Research Issue.
- Ruano, M., J. El-Attrache, and P. Villegas. A rapid plate hemagglutination assay for the identification of Infectious Bronchitis Virus. Avian Diseases. 44:99-104. 2000.
- Garcia, M. C., J. El-Attrache, N. Ikuta, V. R. Lunge, A. S. K. Fonseca, S. M. Riblet and P. Villegas. Current advances in the diagnosis of avian leukosis virus by the polymerase chain reaction. Proceedings: International Symposium on ALV-J and other Avian Retroviruses. World Veterinary Poultry Association. Rauschholzhausen, Germany. June 5-8, 2000.
- Majó, N., J. El-Attrache, P. Villegas, A. Ramis, A. Pagès, and N. Ikuta. Molecular characterization and identification of Spanish Infectious Bursal Disease Virus field isolates. Avian Diseases. In press. 2002.
- Sellers, H.S., P.N.Villegas, J. El-Attrache, D. Kapczynski, and Corrie C. Brown. Detection of Infectious Bursal Disease Virus in experimentally infected chickens using *in situ* hybridization. Avian Diseases. 45:26-33. 2001.
- Ikuta, N., J. El-Attrache, P. Villegas, M. García, V.R. Lunge, A.S.K. Fonseca, C. Oliveira, and E.K. Marques. Molecular characterization of Brazilian infectious bursal disease viruses. Avian Diseases. 45:297-306. 2001.
- El-Attrache, J., P. Villegas, B. O'Connor, J.R. Buhr, and G.N. Rowland. Adenovirus pathogenicity in immature ostriches. Avian Diseases. 45:442-446. 2001.
- Ragland, W.L., R. Novak, J. El-Attrache and K. Ester. Interference with transcription for interferon by CIAV. Proceedings: International Symposium on Infectious Bursal Disease and Chicken Infectious Anemia. World Veterinary Poultry Association. Rauschholzhausen, Germany. June 16-20, 2001.
- Ruano, M., J. El-Attrache and Pedro Villegas. Efficacy comparisons of disinfectants used by the commercial poultry industry. Avian Diseases. 45:972-977. 2001.
- El-Attrache, J. and P. Villegas. Genomic identification and characterization of avian adenoviruses associated with inclusion body hepatitis. Avian Dis. 45:780-787. 2001.
- Banda, A., P. Villegas, J. El-Attrache, and C. Estevez. Molecular characterization of seven field isolates of infectious bursal disease virus obtained from commercial broiler chickens. Avian Diseases. 45:620-630. 2001.
- Ragland, W.L., R. Novak, J. El-Attrache and K. Ester. Interference with transcription for interferon by CIAV. Chicken anemia virus and infectious bursal disease virus interfere with transcription of chicken IFN-alpha and IFN-gamma mRNA. J Interferon Cytokine Res. Apr;22(4):437-41. 2002.
- Majó, N., J. El-Attrache, P. Villegas, A. Ramis, A. Pagès, and N. Ikuta. Molecular characterization and identification of Spanish Infectious Bursal Disease Virus field isolates. Avian Diseases. In press. 2002.
- Garcia, Maricarmen, John El-Attrache, Sylva Riblet, Nilo Ikuta, Vagner R. Lunge, Andre S. K. Fonseca and P. Villegas. Development and application of a reverse transcriptase (RT) nested polymerase chain reaction (PCR) test for the detection of exogenous avian leukosis virus. In press. 2002.
- Banda, A., P. Villegas and J. El-Attrache. Molecular characterization of international infectious bursal disease virus field isolates from the United States and Latin America. In press. 2002.

- El-Attrache, J., P. Villegas, A. Banda and M.C. García. Comparative analysis of the EV-O-derived cell line DF-1 and line-0, C/E chicken embryo fibroblast for the isolation and detection of subgroup J avian leukosis virus. In press. Avian Diseases. 2002.
- Banda, A., P. Villegas, A., and J. El-Attrache. Genotyping of infectious bursal disease virus by heteroduplex mobility assay. Avian Diseases. In press. 2002.
- El-Attrache, J., P. Villegas, S. Callison and A. Banda. The design and evaluation of morpholinos as potential inhibitors of avian leukosis virus replication. To be submitted to Antisense Nucleic Acid Drug Development. 2002.
- Banda, A., P. Villegas, J. El-Attrache, and C.C. Brown. Tissue tropism studies of two infectious bursal disease virus field isolates in commercial broilers by *In Situ* hybridization. To be submitted to Avian Diseases. 2002.
- El-Attrache, J. and P. Villegas. Molecular and classical analysis of nested RT-PCR ALV-J positive plasma samples undetected by virus isolation. To be submitted to Avian Diseases. 2002.
- El-Attrache, J., M. Ruano, and P. Villegas. Pathogenicity studies of four serotype-1 Marek's disease virus field isolates. To be submitted to Avian Diseases. 2002.
- Estevez, C., P. Villegas, and J. El-Attrache. Evidence of a recombination event induced *in ovo* between a low passage infectious bronchitis virus field isolate and a highly embryo adapted vaccine strain. To be submitted to Avian Diseases. 2002.

### Grants in the last 5 years

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| 1995-1996 | Villegas, P. J. El-Attrache and H. Sellers. Isolation, identification and control of avian viruses. Vet.Med. Ag. Research. \$26,000.  |
| 1996-97   | Villegas, P. (J. El-Attrache). The effect of Sarafloxacin on the herpesvirus of turkeys vaccine. Abbott Labs. \$3,000.  |
| 1996-1997 | Villegas, P. J. El-Attrache and H. Sellers. Isolation, identification and control of avian viruses. Vet. Med. Ag. Research. \$30,000.   |
| 1997-1998 | Villegas, P. J. El-Attrache and H. Sellers. Isolation, identification and control of avian viruses. Vet. Med. Ag. Research. \$24,000.   |
| 1998      | Villegas, P. (J. El-Attrache). Studies on Marek's Disease. Pfizer, Inc. \$13,014.   |
| 1998-1999 | Villegas, P. (J. El-Attrache). Studies on Marek's Disease. Pfizer, Inc. \$49,883.   |
| 1998-1999 | Villegas, P. (J. El-Attrache). Studies on Marek's Disease. Pfizer, Inc. \$49,787.   |
| 1998-1999 | Villegas, P., J. El-Attrache and H. Sellers. Methods for isolation, identification and control of avian viruses. Vet. Med. Ag. Research. \$67,500.  |
| 1998-2000 | García, M. J. El-Attrache and P. Villegas. Development and application of an RT-PCR assay for the detection of avian leukosis virus subgroup J (ALV-J) from meat-type chickens. U.S. Poultry and Egg Association. \$55,198. |
| 1999      | Villegas, P. (J. El-Attrache). Further Studies on Marek's Disease. Pfizer, Inc. \$49,883.   |
| 1999      | Villegas, P. (J. El-Attrache). Further Studies on Marek's Disease. Pfizer, Inc. \$49,370.   |
| 1999      | Villegas, P. (J. El-Attrache). Further Studies on Marek's Disease. Pfizer, Inc. \$36,364.   |
| 1999-2000 | Villegas, P. and J. El-Attrache. Methods for isolation, identification and control of avian viruses. Vet. Med. Ag. Research. \$65,400.  |
| 2000-2001 | Villegas, P. and J. El-Attrache. Advancements in the isolation, characterization and control of avian viruses. Vet. Med. Ag. Research. \$65,400.  |
| 2001-2002 | Villegas, P. (J. El-Attrache). Adaptation of IBV strains to the intestinal tract. Merial – Select. \$75,565.  |
| 2001-2002 | Villegas, P. and J. El-Attrache. Advancements in the isolation, characterization and control of avian viruses. Vet. Med. Ag. Research. \$54,282.  |
| 2001-2003 | Villegas, P., A. Banda and J. El-Attrache. Molecular and pathogenic analysis of coinfection with IBDV and CAV. USPEA. \$20,000.   |
| 2002-2004 | Villegas, P. and J. El-Attrache. Pathological and serological assessment of a live avian adenovirus vaccine. Aviagen. \$39,628.   |
| 2002-2003 | Villegas, P. and J. El-Attrache. Methods for isolation, identification and control of avian viruses. Vet. Med. Ag. Research. \$64,500.  |

### Significant Research

Current and future research will focus on avian viral diseases of economic importance affecting the international poultry industry, with emphasis on improving molecular viral diagnostics, vector-based vaccines, and viral therapeutics.