

CURRICULUM VITAE
LUIS F. MATOS

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EDUCATION

- 2008 (Summer) Ph.D. Entomology, University of Florida (UF), Gainesville, FL.
Title: Trans-generational transmission of the *Diachasmimorpha longicaudata* entomopoxvirus. Advisor: Dr. Pauline Lawrence
- 2002 M.S. Entomology, Washington State University (WSU), Pullman, WA.
Thesis: Development and evaluation of artificial diets for rearing the purple loosestrife root weevil (*Hylobius transversovittatus* Goeze) Advisor: Dr. John Brown
- 1999 B.S. Biology, minor in Chemistry, and concentrations in Genetics and Zoology
California State University Stanislaus, Turlock, CA.

EMPLOYMENT

- 2006-2008 NSF Fellow with Science Partners in Inquiry-based Collaborative Education (SPICE) program. (<http://spice.ees.ufl.edu>)
- 2005-2006 Adjunct Faculty, Department of Natural Sciences, Santa Fe Community College, Gainesville, FL.
- 2004 (Fall) Volunteer teaching assistant in Insect Physiology (ENY6401C), Entomol. and Nematol. Dept., UF
- 2002-2006 Alumni Fellow, UF, Entomology and Nematology Department.
Mentor: Dr. Pauline Lawrence
- 2001-2002 Technical Research Assistant, WSU, Department of Entomology.
Mentor: Dr. Laura Corley
- 2001-2002 Teaching Assistant for Introductory Biology for Non-Majors (Biol 102 & 105), WSU, School of Biological Sciences.
- 1999-2002 Research Assistant, WSU, Department of Entomology. Mentor: Dr. John Brown

AWARDS AND HONORS

- 2002-2006 UF Alumni Fellowship
- 2001 WSU President's Award for Leadership and Service
- 2001 Student of the Year (MSc) Department of Entomology, WSU

GRANTS AND SCHOLARSHIPS

- 2008 EPI-ICBR grants, "SOLiD sequencing estimate of within-host variation for an RNA virus". Marta

- L. Wayne, CLAS (UF) co-PIs: Benjamin Bolker, CLAS; Luis F. **Matos**, postdoc (pending)
- 2008 Ruth L. Kirschstein National Research Service Award, NIH, “Genetics of host-shifts: Sigma virus and *Drosophila simulans* as a model system” Luis F. **Matos** and Marta L. Wayne (Pending)
- 2006 P.O. Lawrence Insect Physiology and Biochemistry Scholarship, Department of Entomology and Nematology, UF (\$1000)
- 2006 Travel grant from the Office of the Vice President for Research to attend and present at annual meeting of the Entomological Society of America (\$300)
- 2006 UF Graduate Student Council travel grant to attend and present at the annual meeting of the Entomological Society of America (\$250)
- 2005 UF Graduate Student Council travel grant to attend and present at the annual meeting of the Entomological Society of America (\$250)
- 2004 Sigma Xi Grants in Aid of Research. Title: How is *Diachasmimorpha longicaudata* Entomopoxvirus (DIEPV) acquired by wasp offspring? (\$500)
- 2001 Graduate Student Travel Award, to defray costs of traveling to the Annual Meeting of the Pacific Branch of the Entomological Society of America (\$246)
- 2001 Howard and Hermina Halgarth Scholarship, WSU, Department of Entomology, to defray lodging costs of attending the annual Meeting of the Pacific Branch of the Entomological Society of America (\$200)
- 2000 Entomological Society of America Congress Travel Award, to attend the XXI International Congress of Entomology, Iguassu Falls, Brazil (\$1088)
- 2000 Howard and Hermina Hallgarth Scholarship, to defray lodging costs to attend the XXI International Congress of Entomology, Iguassu Falls, Brazil (\$568)
- 2000 Entomology Development Fund Scholarship, WSU (\$300)

PUBLICATIONS

- Matos**, L.F. and Lawrence, P.O. Analysis of the nph-I and DNA polymerase genes from the *Diachasmimorpha longicaudata* entomopoxvirus. In prep. for sub. to Virus genes
- Matos**, L.F. and Lawrence, P.O. *Diachasmimorpha longicaudata* entomopoxvirus genes and proteins in wasp embryos and adults. In prep. for sub. to Archives of Insect Biochem. and Physiol.
- Matos**, L.F. and Lawrence, P.O. Correlating *Diachasmimorpha longicaudata* pupal development with entomopoxvirus DNA replication and protein expression. In prep. for sub. to J. Insect physiology
- Lawrence, P.O., **Matos**, L.F. (2005) Transmission of the *Diachasmimorpha longicaudata* rhabdovirus (DIRhV) to wasp offspring: an ultrastructural analysis. *Journal of Insect Physiology*. 51:235-241.
- Pszczolkowski M.A., **Matos**, L.F., Zahand, A., and Brown, J.J. (2002). Effect of monosodium glutamate on codling moth larvae fed apple leaves. *Entomologia Experimentalis et*

Applicata. 103:91-98.

Pszczolkowski M.A., **Matos**, L.F., Brown, R., and Brown, J.J. (2002). Feeding and development of codling moth, *Cydia pomonella*, (L.) (Lepidoptera: Tortricidae) larvae on apple leaves. *Annals of Entomological Society of the USA*. 95:603-60.

Pszczolkowski M.A., **Matos**, L.F., Bushman, S.M., and Brown, J.J. (2001) Effects of glutamate receptor agonists and antagonists on feeding by economically important insect pest. *Acta Neurobiologiae Experimentalis*. 61: 237.

Pszczolkowski M.A., **Matos**, L.F., Bushman, S.M.*, and Brown, J.J. (2001). Feeding enhancements for insecticide targeting neonate lepidopteran larvae. In: 6th International Symposium on Adjuvants for Agrochemicals ISAA 2001. Ed. Hans de Ruiter. Amsterdam, The Netherlands. pp. 420-424.

PRESENTATIONS AT SCIENTIFIC MEETINGS

2006 Entomopoxvirus DNA replication and protein expression in the poison gland of developing *Diachasmimorpha longicaudata* pupae. Annual Meeting of the Entomological Society of America, Indianapolis, IN.

2005 *Diachasmimorpha longicaudata* entomopoxvirus (DIEPV) DNA is present in eggs of the parasitic wasp *D. longicaudata*. Annual Meeting of the Entomological Society of America, Fort Lauderdale, FL.

2005 Relationship of the *Diachasmimorpha longicaudata* Entomopoxvirus to Wasp Ova. Annual Meeting of the Florida Entomological Society, Fort Meyer, FL.

2003 *Diachasmimorpha longicaudata* entomopoxvirus (DIEPV) proteins and DNA are present in *D. longicaudata* ovaries and nuclear DNA, respectively. Annual Meeting of the Entomological Society of America, Cincinnati, OH.

2001 Development and evaluation of artificial diets for rearing *Hylobius transversovittatus* (Goeze). PBESA Annual Meeting, Park City, UT (with J.J. Brown)

2000 Development and evaluation of artificial diets for rearing *Hylobius transversovittatus* (Goeze)" XXI International Congress of Entomology, Iguassu Falls, Brazil (collaborator J. J. Brown)

2000 Development and evaluation of artificial diets for rearing *Hylobius transversovittatus* (Goeze)" PBESA Annual Meeting, Costa Mesa, CA (with J. J. Brown)

UNIVERSITY AND COMMUNITY SERVICE

2007 Mentored Shantel Johnson, UF Student Science Training Program.

2007 Mentored Ashis Patel, UF Student Science Training Program.

2006, 2007 Judge, Alachua Region Science Fair.

2004-2006 Seminar Committee, Department of Entomology and Nematology, UF.

2004 Graduate student representative to faculty search committee, UF.

2001-2002 Guide for tours of the WSU Electron Microscopy Center.

2000-2001 Graduate student representative to the faculty, WSU.

2000-2001 President, Entomology Club, WSU.

1999-2000 Vice-President, Entomology Club, WSU.