

CURRICULUM VITAE

Jonathan Duran Willis

EDUCATION

2007-2009 M.S. Entomology
University of Tennessee, Knoxville, TN, USA
2002-2006 BSAB in Applied Biotechnology
University of Georgia, Athens, GA, USA

PROFESSIONAL EMPLOYMENT

2007-present Graduate Research Assistant
Department of Entomology and Plant Pathology
The University of Tennessee, Knoxville, TN, USA
2005-2007 Student Services Authority Contractor – Lab Manager
Ecosystems Research Division
Environmental Protection Agency, Athens, GA, USA
2002-2005 Undergraduate Student Worker Lab Manager
Department of Plant Biology
University of Georgia, Athens, GA, USA

GRADUATE STUDENT ACTIVITIES

Entomology and Plant Pathology Department Graduate Student Association Vice President
(2008-2009)
Entomology and Plant Pathology Department Graduate Student Association Student Activities
Co-Chair (2007-2008)
Entomological Society of America Tennessee Debate Team (2008)
Southeastern Branch Entomological Society of America Tennessee Linnaean Games Team
(2008)

RECOGNITION AWARDS

First prize for student paper presentation, Tennessee Entomological Society, October 2008.
President's first prize for the student display presentation competition, session Ce/Cf, by the
Entomological Society of America, November 2007.

PUBLISHED ARTICLES

Lee, Y., Molina, M., Domingo, J., **Willis, J.D.**, Cyterski, M., Endale, D.M., Shanks, O.C. 2008.
Temporal Assessment of the impact of exposure to cow feces in two watersheds by multiple host-
specific PCR assays. *App. Environ. Micro.* 74(22) 6839-6847.

Willis, J.D., Perera, O., Adang, M.J., Jurat-Fuentes, J.L., 2009. Cloning and characterization of
the Cry1Ac-binding alkaline phosphatase (HvALP) from *Heliothis virescens*. *Insect Biochem.*
Mol. Biol. (Accepted January 2009)

PRESENTATIONS

Willis, J.D., Perera, O., Adang, M.J., Jurat-Fuentes, J.L., 2007. Testing the Role of *Heliothis*

virescens alkaline phosphatase in Cry1Ac intoxication. Entomological Society of America Dec 6th-12th 2007

Zepp, R.G., Jones, R., **Willis, J.D.**, Cyterski, M., Molina, M. 2008. Predictive Modeling of Light-Induced Mortality of *Enterococci faecalis* in Recreational Waters Society of Environmental Toxicology and Chemistry Dec 2007

Oppert, C., Klingeman, W., **Willis, J.D.**, Oppert, B., Jurat-Fuentes, J.L. 2008. Screening for Cellulase Activity in Insect Digestive Fluids. University of Tennessee Biofuels Initiative Meeting May 2008

Willis, J.D., Klingeman, W., Oppert, C., Oppert, B., Jurat-Fuentes, J.L. 2008. Identification and characterization of novel cellulolytic activity from salivary and digestive fluids of *Dissosteira carolina* (Orthoptera: Acrididae). Entomological Society of America Nov 16-19 2008

ARTICLE ACKNOWLEDGMENTS:

Scanlon, M. J. 2003. The Polar Auxin Transport Inhibitor NPA Disrupts Leaf Initiation, KNOX Protein Regulation, and Formation of Leaf Margins in Maize. *Plant Phys.* 133: 597.

Markwith, S.H., Scanlon, M.J. 2006. Characterization of six polymorphic microsatellite loci isolated from *Hymenocallis coronaria* (J. LeConte) Kunth (Amaryllidaceae). *Molecular Ecology Notes* 6: 72-74.

Henderson, D.C., Zhang, X., Brooks, L., Scanlon, M.J. 2006. RAGGED SEEDLING2 is required for expression of KANADI2 and REVOLUTA homologues in the maize shoot apex. *Genesis* 44(8): 372-82.

Jones, R., Zepp, R.G., Cyterski, M., Molina, M., White, E. 2008. Light-Induced Processes Affecting *Enterococci* in Aquatic Environments. *American Society of Limnology and Oceanography*. March 2-7th 2008

PATENT APPLICATIONS

Invention Disclosure (2008): Cellulases from Insects. Juan L. Jurat-Fuentes, **Jonathan D. Willis**, Christopher J. Oppert, William E. Klingeman, Brenda S. Oppert.

PROFESSIONAL MEMBERSHIPS

Entomological Society of America 2007-present.

Tennessee Entomological society 2008-present.

Gamma Sigma Delta Agriculture Honorary Society Tennessee Chapter 2008-present