

**Curriculum Vitae**

Cynthia Roxanne Rutledge Connelly  
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**EDUCATION**

1998 Doctor of Philosophy. Major: Entomology.  
 Minor: Epidemiology and Community Health, Louisiana State University  
 1995 Master of Science. Entomology. Louisiana State University  
 1992 Bachelor of Science. Environmental Science. Louisiana State University

**PROFESSIONAL EXPERIENCE****2012 – present****Professor, University of Florida, Florida Medical Entomology Laboratory**

Research 20%, Extension 80% - 12 month, tenure-track. Responsibilities include maintaining close contact with over 50 mosquito control districts in the state of Florida to address their research and training needs; providing extension education to the mosquito control districts in Florida; maintaining contact with the county and state cooperative extension faculty and the public at large by developing and participating in short courses on topics related to medical entomology; assisting mosquito control districts through the application of new and innovative technical procedures. Research includes biology, taxonomy, and identification of mosquitoes, protection from mosquito-borne diseases, and arthropod pest control methodology. Teaching medical entomology at the graduate level; mentoring graduate students in medical entomology.

**2006-present****Associate Professor, University of Florida, Florida Medical Entomology Laboratory.**

See description above.

**1999-2005 Assistant Professor. University of Florida, Florida Medical Entomology Laboratory.**

See description above.

**AREAS OF SPECIALIZATION**

Entomology, Medical Entomology, Mosquito Biology, Mosquito Control, Mosquito Morphology, Taxonomy and Identification, Extension Entomology, Integrated Pest Management, Forensic Entomology.

**COURSES TAUGHT**

<b>Course No.</b>	<b>Course Title</b>
<b>ENY6591C</b>	<b>Advanced Mosquito Identification</b>
<b>ENY6905</b>	<b>Scientific Writing</b>
<b>ENY6905</b>	<b>Blood Feeding Insects</b>
<b>ENY6905</b>	<b>Forensic Entomology</b>
<b>ENY6593</b>	<b>Advanced Mosquito Biology</b>

<b>Role</b>	<b>Student</b>	<b>Home Dept.</b>	<b>Complete Date</b>
Chair Ph.D	Catherine Pruszynski	Entomology and Nematology	<b>current</b>
Chair Master's	Andrew Lima	Entomology and Nematology	December 2012
Chair Master's	Jennifer Russell	Entomology and Nematology	2013
Chair Master's	Diana Vork	Entomology and Nematology	December 2011
Chair Master's	Angelique Showman	Entomology and Nematology	May 2010
Chair Master's	Stephanie Hill	Entomology and Nematology	August 2009
Chair Master's	Kevin Kobylinski	Entomology and Nematology	December 2006
Member Ph.D.	Shawna Bellamy	Entomology and Nematology	<b>current</b>
Member Ph.D	Lary Reeves	Entomology and Nematology	<b>current</b>
Member Ph.D.	Christopher Holderman	Entomology and Nematology	<b>current</b>
Member Ph.D	Sheri Anderson	Entomology and Nematology	August 2011
Member Ph.D	Alexandra Chaskopoulou	Entomology and Nematology	December 2010
Member Ph.D	Leslie Rios	Entomology and Nematology	May 2008
Member Ph.D	Sonja Swiger	Entomology and Nematology	December 2007
Member Master's	Wes Robertson	Entomology and Nematology	<b>current</b>
Member Master's	Vijay Pai	Entomology and Nematology	<b>current</b>
Member Master's	Mark Kartzinel	Entomology and Nematology	<b>current</b>
Member Master's	Justin Harbison	Entomology and Nematology	April 2005
Member Master's	Sonja Swiger	Entomology and Nematology	August 2003

## **MEMBERSHIP AND ACTIVITIES IN THE PROFESSION**

### **American Mosquito Control Association**

Board of Directors, Past President, 2014-15  
Board of Directors, President, 2013-14  
Board of Directors, President-Elect, 2012-13  
Board of Directors, Vice-President, 2011-12  
Board of Directors, South Atlantic Regional Director, 2007-2010  
Chair, Washington Conference, 2015  
Chair, AMCA Awards Committee 2014-15  
Organizer & Moderator, Student Awards, 2001 - 2012  
Program Chair, 78<sup>th</sup> Annual Meeting, 2012  
Chair, Training and Member Education Committee, 2001-2007; 2009-2011  
Mentor, Young Professionals of the AMCA, 2010 – present  
Cyberspace Committee, 2001-2003

### **Entomological Society of America**

Board Certified Entomologist: Med/Vet Entomology, 2000 – current  
Board Certification Committee Chair, 2010 – 201; Member, 2008 – 2012  
ESA Awards Committee Chair: Entomological Foundation Scholarship, 2005  
ESA Awards Committee: Review Panel for Entomological Foundation Undergraduate Scholarship, 2003-2005  
Education and Youth Committee, 2001-2005

### **American Society of Tropical Medicine and Hygiene**

American Committee of Medical Entomology, Executive Council (2004-2007)

### **Florida Mosquito Control Association**

Board of Directors, Executive Board, Past-President, 2011-2012  
Board of Directors, Executive Board, President, 2010-2011  
Board of Directors, Executive Board, President-elect, 2009-2010  
Board of Directors, Executive Board, Vice-President, 2008-2009  
Board of Directors, Member-at-Large, 2007-2008  
Board of Directors, Southeast Regional Representative, 2001-2003  
  
Chair, FMCA Annual Meeting Program, 2010  
Chair, Florida Mosquito Control Foundation Scholarship Committee, 2007 - present  
Chair, Editor, *Buzz Words* Newsletter Committee, 1998-2015  
Chair, Managing Ed., FMCA Handbook Committee, 1998-present  
Dodd Short Course Committee, 1999-present  
Chair, Dodd Short Course Committee, 2011-present  
FMCA Finance Committee, 2011- 2015  
FMCA Awards Committee, 2002-2013

## HONORS

Australian Research Council. 2014 - present. Assessor for National Competitive Grants Program.

Presidential Citation. 2012. Florida Mosquito Control Association.

Chuck Alexander Operational Award. 2011. Louisiana Mosquito Control Association. Invited Keynote Speaker and Award Recipient.

Presidential Citation. 2011. American Mosquito Control Association. For outstanding service to the American Mosquito Control Association for Leadership in the Student Competition. 77<sup>th</sup> Annual Meeting of the American Mosquito Control Association, Anaheim, CA

Memorial Lecturer Award. 2009. American Mosquito Control Association.

Presidential Citation. 2008. Florida Mosquito Control Association.

Individual Program Leadership Award of Excellence. 2005. Florida Association of Natural Resources Extension Professionals. University of Florida.

Gold IMAGE Award. 2005. Mosquito-borne Disease Surveillance in Florida Video. Awarded by UF/IFAS Marketing and Communications for outstanding examples of marketing and communications products enhancing the UF/IFAS image throughout Florida.

McArthur Foundation Fellowship. 2002. Biology of Disease Vectors Course. Colorado State University, Fort Collins, CO.

Gerald Hollandsworth Award. 1998. Winner - Student Paper Competition, American Mosquito Control Association, Sparks, NV.

L. D. Newsom Award. 1995. Outstanding Master's Student. Louisiana State University, Department of Entomology, Baton Rouge, LA.

Louis T. Graham Award. 1994. Student Research Award; Louisiana Mosquito Control Association, Shreveport, LA.

## Books, Edited (Editor, Co-editor)

Connelly CR, Carlson DB (Eds.). Florida Mosquito Control: The state of the mission as defined by mosquito controllers, regulators, and environmental managers. Florida Coordinating Council on Mosquito Control. University of Florida, Institute of Food and Agricultural Sciences, Florida Medical Entomology Laboratory. 2009. 259 pp.

Rutledge CR. Editor. Florida Mosquito Control Handbook, 3<sup>rd</sup> Edition. Florida Mosquito Control Association, Ft. Myers, FL. 2004. 471 pp.

## Books, Contributor of Chapter(s)

Connelly, CR, Bolles, E, Culbert, D, DeValerio, J, Donahoe, M, Gabel, K, Jordi, R, McLaughlin, J, Neal, A, Scalera, S, Toro, E, Walter, J. 2014. Florida resident's guide to mosquito control. University of Florida, Institute of Food and Agricultural Sciences. 40 pp. ENY-753. <http://edis.ifas.ufl.edu/pdffiles/in/in104500.pdf>

Carlson DB, Connelly CR, Connelly PH, Hribar L, Linthicum K, Petersen J. Introduction. *In* Connelly CR, Carlson DB (Eds.). Florida Mosquito Control: The state of the mission as defined by mosquito controllers, regulators, and environmental managers. Florida Coordinating Council on Mosquito Control. University of Florida, Institute of Food and Agricultural Sciences, Florida Medical Entomology Laboratory. 2009. pp. 19 – 20.

Connelly CR. History of Florida Mosquito Control. *In* Connelly CR, Carlson DB (Eds.). Florida Mosquito Control: The state of the mission as defined by mosquito controllers, regulators, and environmental managers. Florida Coordinating Council on Mosquito Control. University of Florida, Institute of Food and Agricultural Sciences, Florida Medical Entomology Laboratory. 2009. pp. 21 – 27.

Connelly CR. Education, Extension, and Outreach. *In* Connelly CR, Carlson DB (Eds.). Florida Mosquito Control: The state of the mission as defined by mosquito controllers, regulators, and environmental managers. Florida Coordinating Council on Mosquito Control. University of Florida, Institute of Food and Agricultural Sciences, Florida Medical Entomology Laboratory. 2009. pp. 224 – 230.

Baker RH, Morris CD, Nayar JK, Rutledge CR. Malaria. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. DMA-1 – DMA-8.

Rey JR, Rutledge CR. Eastern equine encephalitis. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. p. EEE-1

Rutledge CR. Eastern equine encephalitis. J. L. Capinera (Ed.), *In* Encyclopedia of Entomology. Kluwer Academic, Dordrecht, The Netherlands. 2004. pp. 733-735.

Rutledge CR. Introduction to Culicidae. *In* J. L. Capinera (Ed.), Encyclopedia of Entomology. Kluwer Academic, Dordrecht, The Netherlands. 2004. pp. 1463-1468.

Rutledge CR. Introduction to Third Edition. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. p. OIT-1.

Rutledge CR. Overview of Mosquito Biology. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. BOV-1 – BOV-2.

Rutledge CR. Mosquito-borne Virus Surveillance in Florida. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. SMS-1 – SMS-6.

Rutledge CR. Mosquito-transmitted Highlands J Virus in Florida. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. DHJ-1 – DHJ-2.

Rutledge CR. West Nile Virus. *In* Florida Mosquito Control Handbook. 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. DWN-1 – DWN-3.

Rutledge CR, Evans HT. Adult Anatomy. *In Florida Mosquito Control Handbook.* 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. BAA-1 – BAA-8.

Rutledge CR, Evans HT. Larval Biology. *In Florida Mosquito Control Handbook.* 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. BLA-1 – BLA-7.

Rutledge CR, Evans HT. Mosquito Eggs. *In Florida Mosquito Control Handbook.* 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. BEG-1 – BEG-8.

Rutledge CR, Morris CD. Pronunciation of Mosquito Names. *In Florida Mosquito Control Handbook.* 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. BPN-1 – BPN-3.

Rutledge CR, Morris CD. Synopsis of Florida Mosquitoes. *In Florida Mosquito Control Handbook.* 3<sup>rd</sup> Edition. Rutledge, C. R. (Ed.). Florida Mosquito Control Association. Ft. Myers, FL. 2004. pp. BFM-1 – BFM-13.

## Refereed Publications

\* = Graduate Student

Alto, BW, Connelly, CR, O'Meara, GF, Hickman, D, Karr, N. 2014. Reproductive biology and susceptibility of Florida *Culex coronator* to infection with West Nile virus. *Vector-Borne and Zoonotic Diseases.* 14:606-614.

Connelly, CR. 2014. Getting to Z: 2014 AMCA Presidential Address. *Journal of the American Mosquito Control Association.* 30:165-168.

Lord, CC, Alto, BW, Anderson, SL, Connelly, CR, Day, JF, Richards, SL, Smartt, CT, Tabachnick, WJ. 2014. Can Horton hear the Whos? The importance of scale in mosquito-borne diseases. *Journal of Medical Entomology.* 51:297-313.

Day, JF, Ross, GK, Connelly, CR. 2013 The Biology of Arboviral Transmission in Florida. *Technical Bulletin of the Florida Mosquito Control Association* 9:3-12.

Dale PER, Connelly R. 2012. Wetlands and human health: an overview. *Wetlands Ecology and Management.*

<http://www.springerlink.com/content/m18u585h8j562065/fulltext.pdf>

Dale PER, Connelly CR. (Eds.). 2012. *Wetlands Ecology and Management.* Special Issue. Wetland and human health.

<http://www.springerlink.com/content/m18u585h8j562065/fulltext.pdf>

\*Chaskopoulou A., Latham MD, Pereira RM, Connelly CR, Bonds JAS, Koehler PG. 2011. Efficacy of aerial ultra-low volume applications of two novel water-based formulations of unsynergized pyrethroids against riceland mosquitoes of Greece. *Journal of the American Mosquito Control Association.* 27(4):414-422.

Tabachnick WJ, Harvey WR, Becnel JJ, Clark GG, Connelly CR, Day JF, Linser PJ, Linthicum K. 2011. Countering a bioterrorist introduction of pathogen-infected mosquitoes through mosquito control. *Journal of the American Mosquito Control Association*. 27(2):165-167.

\*Chaskopoulou A, Koehler PG, Connelly CR. 2010. West Nile fever/encephalitis: How to interrupt the disease by effectively controlling the vector. *Acta Microbiologica Hellenica*. 55(4):291-294

\*Larrick SK, Connelly CR. 2010. A novel device to test the movement of a larvicide. *Journal of the American Mosquito Control Association*. 26(3):342-343.

Connelly CR. 2009. 2009 AMCA Memorial Lecture Honoree: Dr. Chester Lamar Meek. *Journal of the American Mosquito Control Association*. 25(3):237-245.

\*Kobylnski KC, Allan SA & Connelly CR. 2007. Aspirator modification for the removal of mosquitoes from tight spaces. *Journal of the American Mosquito Control Association*. 23(4):492-495.

Connelly CR, Day JF, Ross GK. 2006. Enhancing Mosquito-Borne Disease Surveillance in Florida. *Journal of Extension*. 44(5). <http://www.joe.org/joe/2006october/iw4.php>

Brown JM, Rutledge CR, Reynolds WR, Dame DA. 2006. Minimal application rates of Dibrom for *Anopheles quadrimaculatus* in Florida under operational and optimized flight conditions. *Journal of the American Mosquito Control Association*. 22(1):87-92.

Lord CC, Rutledge CR, Tabachnick WJ. 2006. Relationships between host viremia and vector susceptibility for arboviruses. *Journal of Medical Entomology*. 43(3):623-630.

Godsey MS Jr., Blackmore MS, Panella NA, Burkhalter K, Gottfried K, Halsey LA, Rutledge CR, Langevin SA, Gates R., LaMonte KM, Lambert A, Lanciotti RS, Blackmore CGM, Loyless T, Stark, L, Oliveri, R, Conti L, Komar N. 2005. West Nile virus epizootiology in the Southeastern United States, 2001. *Vector-borne and Zoonotic Diseases*. 5(1):82-89.

Rutledge CR, Day JF, Lord CC, Stark LM, Tabachnick WJ. 2003. West Nile virus infection rates in *Culex nigripalpus* (Diptera: Culicidae) do not reflect transmission rates in Florida. *Journal of Medical Entomology*. 40(3):253-258.

Ham CM, Brown JR, Musser RO, Rutledge CR, Meisch MV. 1999. Comparison of electrostatic versus non-electrostatic ULV sprays of Aqua-Reslin® against *Anopheles quadrimaculatus* adults. *Journal of the American Mosquito Control Association*. 15(3): 312-314.

Rutledge CR, Wesson DM, Meek CL. 1999. PCR to identify all immature stages of two species of the *Anopheles quadrimaculatus* sibling species complex. *Journal of the American Mosquito Control Association*. 15(4):573-575.

Weidner E, Canning EU, Rutledge CR, Meek CL. 1999. Mosquito (Diptera: Culicidae) host compatibility and vector competency for the human myositic parasite *Trachiplestophora hominis* (Phylum Microspora). *Journal of Medical Entomology*. 36(4):522-525.

Foil L, Andress E, Freeland RL, Roy AF, Rutledge CR, Triche PC, O'Reilly K. 1998. Experimental infection of domestic cats with *Bartonella henselae* by inoculation of cat flea,

*Ctenocephalidies felis* (Siphonaptera: Pulicidae), feces. Journal of Medical Entomology. 35(5):625-628.

Rutledge CR, Meek CL. 1998. Distribution of the *Anopheles quadrimaculatus* sibling species complex in Louisiana. Southwestern Entomology. 23(2):161-167.

Rutledge CR, Cornel AJ, Meek CL, Collins FH. 1996. Validation of a ribosomal DNA-polymerase chain reaction species diagnostic assay for the common malaria mosquito (Diptera: Culicidae) sibling species complex. Journal of Medical Entomology. 33(6):952-954.

Rutledge CR, Meek CL. 1994. A new species of malaria mosquito in Louisiana. Louisiana Agriculture. 37(4):26.

Rutledge CR, Meek CL. 1994. Record of *Anopheles quadrimaculatus* species C in Louisiana. Journal of the American Mosquito Control Association. 10(4):585-586.

## Fact Sheets

- [Biting midges, no-see-ums Culicoides spp. \(Insecta: Diptera: Ceratopogonidae\)](#)
- [Biting Midges of Coastal Florida](#)
- [Black salt marsh mosquito Aedes taeniorhynchus \(Wiedemann\) \(Insecta: Diptera: Culicidae\)](#)
- [Black-tailed Mosquito Culiseta melanura \(Coquillett\) \(Insecta: Diptera: Culicidae\)](#)
- [Blood Feeding Insect Series: Yellow Fever](#)
- [Bluetongue](#)
- [Chikungunya](#)
- [Coastal Wetlands of the Indian River Lagoon](#)
- [Common malaria Mosquito Anopheles quadrimaculatus Say \(Insecta: Diptera: Culicidae\)](#)
- [Como Proteger a los Caballos de Florida Contra los Mosquitos.](#)
- [Cuáles Son los Riesgos de Contraer Enfermedades Asociadas con Pollos?](#)
- [Eastern Equine Encephalitis](#)
- [Ehrlichia and Anaplasma in Florida](#)
- [Ehrlichia y Anaplasma en Florida](#)
- [Embalses Costeros Para el Control de los Mosquitos](#)
- [Encefalitis Equina Oriental](#)
- [La Enfermedad de Lyme en Caballos de Florida](#)
- [La Enfermedad de Lyme en Florida](#)
- [La Fiebre Amarilla](#)
- [La Fiebre Chikungunya](#)
- [Florida Container Mosquitoes](#)
- [Los Mosquitos de Recipientes de Florida](#)
- [Human Bot Fly, torsalo \(Central America\), moyocuil \(Mexico\), berne \(Brasil\), mucha \(Colombia, mirunta \(Peru\), and ura \(Argentina, Paraguay, and Uruguay\), Dermatobia hominis \(Linnaeus, Jr.\) \(Insecta: Diptera: Oestridae\)](#)
- [Hurricanes and Mosquitoes](#)
- [Hurricanes y Mosquitos](#)
- [Human Malaria](#)
- [Integrated Pest Management for Mosquito Reduction around Homes and Neighborhoods](#)
- [El Laboratorio de Entomología Médica de Florida](#)
- [Lengua Azul](#)
- [Lyme Disease in Florida](#)
- [Lyme Disease in Florida Horses](#)



- [Los Mangles](#)
- [Mangroves](#)
- [Marismas y Manglares de la Laguna Indian River](#)
- [Mosquito-Borne Dog Heartworm Disease](#)
- [Mosquito Control Impoundments](#)
- [El Mosquito Culex Iolambdis](#)
- [A mosquito Culex \(Melanoconion\) iolambdis Dyar \(Insecta: Diptera: Culicidae\)](#)
- [A Mosquito Culex \(Melanoconion\) pilosus \(Dyar and Knab\) \(Insecta: Diptera: Culicidae\)](#)
- [Mosquito-transmitted Highlands J virus in Florida](#)
- [Mosquito Repellents](#)
- [Praderas Submarinas de la Laguna Indian River](#)
- [Red-tailed Flesh Fly, Sarcophaga haemorrhoidalis \(Fallén\) \(Insecta: Diptera: Sarcophagidae\)](#)
- [Repelentes Contra Mosquitos](#)
- [Riesgo y Prevención del Virus del Nilo Occidental en Caballos en Florida](#)
- [Seagrass Beds of the Indian River Lagoon](#)
- [Servicios y Aparatos para el Control de Mosquitos en Viviendas de Florida.](#)
- [Southern House Mosquito Culex quinquefasciatus Say](#)
- [Surveillance for Mosquito-borne Viruses](#)
- [La Vigilancia de los Virus Acarreados por Mosquitos](#)
- [El Virus del Nilo Occidental](#)
- [West Nile Virus](#)
- [What Are the Risks of Contracting Diseases Associated with Chickens?](#)