

Curriculum Vitae

DAWN MICHELLE WESSON

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Education:

B.A. 1983 in Biology and Spanish, **North Central College**, Naperville, IL.
M.S. 1985 in Ecology, **University of Illinois at Chicago**, Chicago, IL.
Ph.D. 1991 in Medical Entomology, **University of Notre Dame**, Notre Dame, IN.

Professional Experience:

Current Tulane: Associate Professor, Department of Tropical Medicine & Parasitology, Tulane School of Public Health and Tropical Medicine, New Orleans, LA
Chair, Chikungunya and Zika Task Force at Tulane University (Since 2014)
Director, Vector-Borne Disease Initiative (Since 2007)
Member, Vector-Borne Infectious Disease Research Center (Since 2014)
Director, Arthropod Containment Level 3 Core Laboratories (Since 2016)

Previous Tulane: Director, Training Program in Vector-Borne Infectious Diseases (2002-2008)
Member, Graduate School Faculty (1994-2005)
Member, Interdisciplinary Graduate Program in Biomedical Sciences (1994-2006)
Member, Center for Infectious Diseases (1994-2006)
Member, Tulane-Xavier Center for Bioenvironmental Research (1995-2011)

1993-99 Assistant Professor, Department of Tropical Medicine & Parasitology, Tulane School of Public Health and Tropical Medicine, New Orleans, LA

1988-90 Survey Coordinator and Supervisor, CDC contract no. P0900089 to the Vector Biology Laboratory, University of Notre Dame, South Bend, IN.

1987 Biologist (G-9), Centers for Disease Control, Ft. Collins, CO.

1986-89 Deputy Health Officer, Mosquito Abatement Program, St. Joseph Co. Health Dept., South Bend, IN.

1983 Mosquito Abatement Program Intern, Naperville, IL.

1981 Pest insect and weed plant surveyor, FS Farm Supply Co., Dekalb, IL.

Research Experience

- 1993 Postdoctoral researcher, Emory University, Atlanta, GA, Dr. Frank H. Collins.
- 1991-92 National Research Council Postdoctoral Associate, Malaria Branch, Centers for Disease Control, Atlanta, GA, Dr. Frank H. Collins, laboratory director.
- 1990 Postdoctoral researcher, Emory University, Atlanta, GA, Drs. Frank H. Collins and Victoria Finnerty.
- 1988-90 NIH Vector Biology and Parasitology Predoctoral Trainee, Univ. of Notre Dame, Dr. George B. Craig, director.
- 1986-88 Laboratory instructor and lecturer in General Biology and General Parasitology, Univ. Notre Dame.
- 1985-86 NIH Vector Biology and Parasitology Predoctoral Trainee, Univ. of Notre Dame, Dr. George B. Craig, director.
- 1984-85 Laboratory instructor and lecturer in Population Biology, Comparative Anatomy and Plant Physiology, Univ. of Illinois at Chicago.
- 1983-84 Laboratory instructor and lecturer in Population Biology and Comparative Anatomy, Univ. of Illinois at Chicago.

Honors and Awards:

- 2023 Tulane Intellectual Property Innovator Award
- 2018-24 Appointed to A Studio in the Woods, A Program of Tulane University, Board of Directors
- 2013 Contribution of Women Scientists to the Field of Medical Entomology. Named as one of twelve from the 20th and 21st centuries at the 62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene
- 2007 Recognition from Tulane University Health Sciences Center and its Board of Governors for Distinction in Research, Commending Outstanding Achievement and Commitment to Excellence in Total Competitive Research Funding
- 2007-24 St. Tammany Parish Mosquito Control Advisory Board
- 2006-24 New Orleans Mosquito, Termite and Rodent Control Board
- 2005 Recognition from Tulane University Health Sciences Center and its Board of Governors for Advancing Intercampus Collaborative Research Leadership and Excellence
- 2005 Recognition from Tulane University Health Sciences Center and its Board of Governors for Outstanding Achievement and Commitment to Excellence in Competitive Research Awards

- 2002-10 Louisiana Arbovirus Working Group
- 2003 New Orleans City Business Magazine, 2003 Women of the Year
- 1993 Selected and funded to attend the "Molecular Evolution" short course, Woods Hole Biological Institute, Woods Hole, MA
- 1991 Selected and funded to attend the "Biology of Disease Vectors" short course, Colorado State University, Fort Collins, CO
- 1985-86 & 1988-90 NIH Vector Biology and Parasitology Trainee, Univ. Notre Dame
- 1979-83 Academic Scholarship, North Central College

Professional Memberships and Offices:

American Mosquito Control Association (member since 1985)
Member, Cyberspace Committee, 1997-99

American Society of Tropical Medicine and Hygiene (member since 1994)
Member, Cyberspace/Internet Committee, 1995-2011, ACME and ACAV liaison
American Committee on Medical Entomology (ACME) Council, 1997-2001

Entomological Society of America (member since 1985)
Section D (Medical and Veterinary Entomology) Chair, 2002-03
Section D Vice-Chair, 2001-02
Section D Secretary, 2000-01
Member, International Affairs Committee, 1990-92

Environmental Research Consortium of Louisiana (2001-07)
Chair, Board of Trustees, 2004-07
Board of Trustees, 2004-07

Louisiana Mosquito Control Association (member since 1996)
President, 2001-02
Vice-President, 2000-01
Board of Directors, 1999-2023 (re-elected five times by general membership)
Annual Meeting Committee and Program Chair, 2000
Government Liaison Committee, 2000-04
Technical Advisory Committee, 2000-04
C. Lamar Meek Memorial Scholarship Committee, since 2000
Nominations Committee, 2000-04

Society of Vector Ecologists* (member since 1994)
*Organized symposium "Molecular Genetics of Arthropod Vectors of Disease", 1994;
Co-organized symposium "Molecular Methods in Vector Systematics", 1998

National/International Committees:

National Science Foundation, Systematic Biology Advisory Panel, Spring 1997 (Arlington, VA); and NSF external reviewer in Systematic Biology, 1998-99.

Member, Veteran's Administration Myiasis Working Group, 2002.

Member, NIH, NIAID, Special Emphasis Panel/Initial Review Group 2004/05 ZAI1 AR-M (M1), 2004.

Member, NIH, NIAID, Tropical Medicine and Parasitology, ad hoc Vector Study Section, 2000-04. Invited member, Vector Study Section, Nov. 2005.

Member, Institute of Medicine of the National Academies, Gulf War and Health: Infectious Disease Committee, 2005-06. Contributor to: Gulf War and Health. Vol. 5. Infectious Diseases. 2007. AE Mitchell, LB Sivitz and RE Black, Eds. The National Academies Press.

Member, Special Emphasis Panel, Disease, Disability, and Injury Prevention and Control, CDC Grants for Public Health Research Dissertation, PAR07-231, Panel B. Nov. 2007.

Vector Control Consultation – Steering committee and working group leader. Funded by the Bill and Melinda Gates Foundation. July 28-30, 2008. Seattle, WA.

Member, NIH, NIAID, Special Emphasis Panel 3 (Vectors): ZAI1-GSM-M-J3, Nov. 2008.

Member, Steering Committee. Project on Area-wide Management of the Asian Tiger Mosquito. PI, D. Fonseca, Rutgers University. Funded by USDA, 2008-12.

Member, Core Working Group for Human Subjects Protection in Vector Research. NIH/NIAID/DMID, 2009-2015.

Member, Dengue Prevention Consortium. Funded by the Bill and Melinda Gates Foundation, 2010-2014.

Member, Advisory Committee. Trap Development to Monitor *Ochocerca volvulus* Transmission. PI, T. Unnasch, University of South Florida. Funded by the Bill and Melinda Gates Foundation, 2010-14.

International Workshop on *Aedes albopictus*. Workshop presenter and participant. March 21-22, 2013. Pavia, Italy.

Member, NIH, NIAID, F13 Infectious Diseases and Microbiology Fellowship Review Panel. Special Emphasis Panel/Scientific Review Group 2014/10 ZRG1 F13-C (20) L, June 2014.

Member, NIH, NIAID, Resource-Related Research Project (R24), Reference Center on Emerging Viruses and Arboviruses. Special Emphasis Panel ZAI1 BLG-M (S4), June 2015.

Member, NIH, NIAID, F13 Infectious Diseases and Microbiology Fellowship Review Panel. Special Emphasis Panel/Scientific Review Group 2017/01 ZRG1 F13-C (20) L, November 2016.

Vector Traps Working Group, World Health Organization Vector Control Advisory Group, 2017-2018.

Teaching:

Graduate Classes in the School of Public Health and Tropical Medicine

I am responsible for **TRMD 6060 Medical Entomology**, taught annually since 1995. This is a 3 credit hour lecture and laboratory course that meets twice weekly in Spring Session 1 for two hours of lecture and two hours of lab per session; 2024 enrollment - 15 students (average enrollment since 1995 = 25; range = 12 - 41).

From 2003-10 and 2013-15, I was responsible for **TRMD 7800 Advanced Medical Entomology**. This is a 2 credit hour lecture and laboratory course that meets twice weekly for Spring Session 2; 2009 enrollment - 22 students (average enrollment when I was primarily in charge was 12; range = 5 - 22). For 2010-2012 I provided 2 guest lectures and laboratory sessions in the course and began doing that again in 2016. In 2010 I gave the course to a junior faculty member, and did that again starting in 2016.

I have provided guest lectures in the following courses taught annually since 1995:

TRMD 6320 Preventive Tropical Medicine (provide one 1-2 hr lecture)

TRMD 7820 Malaria (provide two 1-2 hr lectures)

TRMD 6350 Disease Control in Developing Countries (provide one 1-2 hr lecture)

Since 2012, I have annually provided a guest lecture in **Environmental Pharmacology**, taught in the Tulane University School of Medicine.

I taught **TRMD 6800 Emerging Pathogens**, Intersession Class from 2001-03. This was a 2 credit course taught over a span of 5 days; 2003 enrollment – 12 students. I gave the course to a junior faculty member for tenure purposes.

In the past, I have also provided guest lectures or mentoring in these SPHTM courses:

TRMD 6010 Basic Cellular and Molecular Issues in Health and Disease (2)

TRMD 6050 Medical Helminthology

TRMD 6070 Medical Protozoology

TRMD 6320 Preventive Tropical Medicine

TRMD 6420 Tropical Virology

TRMD 7020 Parasitology Seminar

TRMD 7080 Parasitologic Methods

EPID 6090 Introduction to Infectious Diseases

ENHS 7620 Terrorism: A Public Health Challenge

Undergraduate Classes in the School of Public Health and Tropical Medicine

I am responsible for **SPHU 2050 Arthropods and Public Health**, taught annually since 2015 in the undergraduate Bachelor of Science in Public Health (BSPH) program. This is a 3 credit 75 minute lecture course that meets twice weekly in Fall Semester; 2020 enrollment - 22 students (average enrollment since 2015 = 30; range = 16 - 41).

External Lectures

Southeastern Louisiana University, Dept. of Biology, Guest lecturer in Medical Parasitology, "Prevention and Control of Vector-Borne Diseases." Fall, 2017-2018. Erin Horzelski, Instructor.

Live webinar for the American Committee on Clinical Tropical Medicine and Traveler's Health of the American Society of Tropical Medicine and Hygiene, "Update on Zika Virus: Transmission, Clinical Implications and Potential for Introduction to the United States." February, 2016. Available at <http://connect8.caeph.tulane.edu/p1kczmkrk3g/>

Louisiana State University, School of Veterinary Medicine, Guest lecturer in Principles of Epidemiology and Disease Control, "Ecology of West Nile virus and Eastern Equine encephalitis virus transmission." March, 2004. Martin Hugh-Jones, Instructor.

Xavier University, Dept. of Biology, Guest lecturer in Environmental Ecology, "Medically Important Arthropods." Every March, 1998-2001. Howard Mielke, Instructor.

Guest Lectures

Global Health Week 2016, lecture to 2nd year medical students in the Tulane School of Medicine, "Update of the Zika Pandemic." November, 2016.

Tulane SALUD for Latin American Communities, New Orleans, LA, "Update on Zika Virus and Potential for Introduction to the United States." February, 2016.

Tulane School of Public Health and Tropical Medicine, Grand Rounds, New Orleans, LA, "West Nile Virus and Other Uninvited Guests to New Orleans." November, 2001.

Student Training (research-based)

Student PhD dissertation/ Master's thesis committees, ongoing (Chair – 1 MS, 2 PhD):

Emma Anderson (**committee chair**, ongoing MS)

Brendan Carter (**committee chair**, ongoing PhD)

Jacob Ford (**committee chair**, ongoing PhD)

Student PhD dissertation/Master's thesis committees, complete (Chair - 16 PhD, 6 Master's)

Jackie Alger (PhD 1997)

Yasir Alruwaili (**committee chair**, PhD 2022)

Nell Bond (PhD 2015)

Brian Byrd (**committee chair**, PhD 2009)
Kevin Caillouet (**committee chair**, PhD 2007)
John Carlson (**committee chair**, PhD 2004)
Mercedes Cheslock (TNPRC PhD student, PhD 2022)
Nora Comiskey (**committee chair**, PhD 1997)
Christina Coyle (PhD 2015, Dept. Global Health Systems and Development)
Brett Ellis, (**committee chair**, PhD 2006)
Charles Foltz (PhD 2003)
Mark Fox (**committee chair**, MS 2006)
Jennifer Giovanni (Dept. Pathobiological Sciences, Louisiana State Univ, PhD 2019)
Louis Giraldo (PhD 1998)
Diana Hamer (PhD 2015, Dept. Global Environmental Health Sciences)
Samuel Bishop Jameson (**committee chair**, PhD 2017)
Greg Jennings (PhD 1995)
Emily Jentes (PhD 2008)
Seokyoung Kang (PhD 2011)
Nathalia Katz (MS 2004)
Ousmane Koita (PhD 2000)
Chance Leidig (**committee chair**, MS 2021)
Berlin Londono (**committee chair**, PhD 2009)
Kathleen Maloney (PhD 2012, Dept. International Health and Development)
Frank Mannix (2002-11)
Godfred Masinde (PhD 1997)
Kelly McCabe* (**committee chair**, MSPH 2006)
Ian Mendenhall (**committee chair**, PhD 2010)
Sarah Michaels (**committee chair**, PhD 2017)
Leigh Miller (**committee chair**, MSPH 2020)
Ryan Moore (**committee chair**, PhD 2017)
Clara Ocampo, (**committee chair**, PhD 2002)
Tunika Okatcha (**committee chair**, PhD 2012)
Dave Onyabe (Dept. of Biology, Univ. of Vermont, PhD 2002)
Laura Povinelli (PhD 1998)
Mark Rider* (**MSPH committee chair**, MSPH 2008, PhD 2013)
Dorothy Scholl-Meeker (PhD 2009)
Jerrilynn Shodipo-Moore (2002-07)
Panpim Thongsripong (**committee chair**, PhD 2017)
Abdoulaye Toure (PhD 2001)
Donald Trainer* (MSPH 2008)
Yao-Lung Tsai (PhD 2000)
Don Ward* (**committee chair**, MSPH 2018)
Matthew Ward (**committee chair**, PhD 2019)
Peggy Yo (2008-11)

(*MSPH with thesis requirement)

Postdoctoral researchers:

Kevin Caillouet, MSPH, PhD (Tulane), 2007-08
John Carlson, MD/PhD (Tulane), 2004-06
Justin Davis, PhD (Univ. Central Florida), 2013-15

Michael Deshotel, PhD (Louisiana State Univ. Health Sciences Center), 2014-18
Claudia Herrera Bernal, PhD (Universidad de los Andes; Universidad de Valencia), 2012-14
Sam Jameson, PhD (Tulane), 2020-23
Berlin Londono, PhD (Tulane), 2009-15
James Mohler, MSPH (Tulane), PhD (MIT), 2009-10
Robin Moudy, PhD (Univ. Alabama, Birmingham), 2011-13
Gil Stav, PhD (Ben Gurion Univ.), 2004-07
Erin Watson, PhD (Louisiana State Univ.), 2004-06

All student/guest researchers who have worked in my lab (including some listed above):

1. Nicole Luna, (2024), Tulane BSPH student
2. Kelvin Clulee, (2024), Tulane MS student
3. Emma Anderson, (2024), Tulane MS student
4. Qixuan Liu, (2023-24), Tulane MS student employee
5. Alexie Smith, (2023-24), Tulane BS student
6. Bella Termini, (2023-24), Tulane BSPH student
7. Medhavi Patwardhan, (2023-24), Tulane MS student
8. Maggie Johnson, (2023-24), Tulane BSPH student
9. Jacob Ford, MSPH, (2022-24), Tulane PhD student
10. Jane De Verges, MS, (2021-23), lab research technician
11. Erika Dalliance, MPH (2020-21), lab research technician
12. Bryce Moulton (2020-23), Tulane BSPH student
13. Meghan Lackner (2020), Tulane BSPH student
14. Maura McCormack (2020), Tulane BSPH student
15. Amelia Moran (2020), Tulane BSPH student
16. Isabella Ackerson (2020), Tulane BSPH student
17. Stephanie Pegler (2020), Tulane BSPH student
18. Heather Penton (2020), Tulane BSPH student
19. Ahmed Tarick (2020-23), Tulane BSPH student
20. Chance Leidig (2020-21), Tulane MS student, MS Thesis
21. Mariana Avendano-Herrera (2020-21), Lusher High School student
22. Zoe Jacobs (2020), Tulane BSPH student
23. Zac Ripich (2020), Tulane BSPH student
24. Alyssa Young (2020), Tulane PhD student
25. Julie Thompson, DVM (2019), Tulane PhD student (TNPRC T32 recipient)
26. Hans Desale (2018-20), Tulane MSPH/PhD student
27. Abbey Matthews (2018-19), Tulane BSPH/MSPH student, Field Assistant
28. Trevor Roy (2018-19), Tulane BSPH student, Field Assistant
29. Avery Smith (2018-19), Tulane BSPH student, Field Assistant
30. Ellie Morrissey (2018-19), Tulane BSPH student, Field Assistant
31. Leigh Miller (2018-20), Tulane BSPH/MSPH student, Field Assistant, MS Thesis.
32. Denisse Descamps Tofani (2018), Tulane BSPH student, Field Assistant
33. Amelia Eldridge (2018-19), Tulane BSPH student (EEBI), Field Assistant
34. Stephanie Guzman (2018), Tulane MSPH student, Field Assistant
35. Brook Mancuso (2018), Tulane PhD student
36. Robert Josh Hart (2018), Tulane PhD student
37. Yasir Alruwaili (2018-21), Tulane PhD student
38. Brendan Carter (2017-24), Tulane PhD student
39. Kyra Headrick (2017-18), Tulane MSPH student, Field Assistant

40. Jared Palazza (2017), Tulane MSPH student, Field Assistant
41. Hannah Makant (2017), Tulane MSPH student, Field Assistant
42. Mallory Mucci (2017), Tulane MSPH student, Field Assistant
43. Madison Feshuk (2016-18), Tulane BSPH/MSPH student, Field Assistant
44. Jacqueline Willits (2016-17), Tulane BSPH student, Field Assistant
45. Anna Hodges (2016-17), Tulane MPH&TM student, Field Assistant
46. Alicia Majeau (2016-17) Tulane PhD student (Tropical Medicine)
47. Marlon Sanchez (2016), Tulane BSPH student, Field Assistant
48. Eli Bierman (2016), Tulane BSPH student, Field Assistant
49. Jenny Wolff (2016-17), Laboratory Technician
50. Katherine Chan (2016-19), Tulane BSPH/MSPH student, Field Assistant
51. Andy Nguyen (2016), Louisiana State Univ. MD student, Field Assistant
52. Austin Jones (2016), Tulane MD student, Field Assistant
53. Sam Baker (2016), Tulane MSPH student, Field Assistant
54. Trang Huynh (2016), Visiting researcher, PhD student Nagasaki University Institute of Tropical Medicine
55. Samantha Hebert (2016-17), Tulane MSPH student, Field Assistant
56. Jessica Brogdon (2016-17), Tulane BSPH student, Field Assistant
57. Joe Foster (2016), Tulane BSPH student, Field Assistant
58. Erica Makar (2016), Tulane MSPH student, Field Assistant
59. Donald Ward (2016-18), Tulane MSPH student, Field Assistant, MS Thesis
60. Kelsey Fontenot (2015-16), Tulane BSPH student, Field Assistant
61. Victoria Cavallino (2015-19), Tulane BSPH/MSPH student, Field Assistant
62. Rahul Polu (2015), Tulane BSPH student, Field Assistant
63. Leena Salama (2015-17), Tulane MSPH student, Field Assistant
64. Heejung Ko (2015-18), Tulane MSPH student, Field Assistant
65. Tatiana Barre (2015), Tulane MSPH student, Field Assistant
66. Matthew Ward (2015-19), Tulane PhD awarded October, 2019
67. Michael Deshotel (2014-18), Postdoctoral Researcher
68. Ryan Moore (2014-17), Tulane PhD awarded December, 2017
69. Natalie Waid (2014-15), Tulane BSPH student, Field Assistant
70. Madeleine Chew (2014-15), Tulane MSPH student, Field Assistant
71. Jerry Wang (2014-16), Tulane MSPH student, Field Assistant
72. Hadley Burroughs (2014-16), Tulane MSPH student, Field Assistant
73. Panpim Thongsripong (2014-17), Tulane PhD awarded November, 2017
74. Addie Williams (2014-15), Tulane BSPH student, Capstone Project
75. Kelsey Confreda (2014-16), Tulane MSPH student, Field Assistant
76. Briana Furch (2014), Tulane MPHTM, Field Assistant
77. Maria Teresa Mojica Ortiz (2014), visiting PhD student, Univ. de los Andes
78. Kimberly Plants-Paris (2013-15), Tulane MSPH student, Field Assistant
79. Katelyn Swizer (2013-14), Tulane BSPH Honors Thesis student, Field Assistant
80. Colin Niselman (2013-15), Tulane BSPH/MSPH student, Field Assistant
81. Liz Terhune (2013-14), Tulane MSPH student, Field Assistant
82. Deb Levy (2013), Tulane MSPH student, Field Assistant
83. Kris Kovach (2013), Tulane MSPH student, Field Assistant
84. Sarajane Gross (2013), Tulane BSPH student, Field Assistant
85. Shelley Whitehead (2013-14), Tulane MSPH student, Field Assistant
86. Kyla Cook (2013-14), Tulane MSPH student, Field Assistant
87. Meredith Licon (2013-14), Tulane BSPH Honors Thesis student, Field Assistant
88. Justin Davis (2013-15), Postdoctoral Researcher

89. Katie Nation (2012-13), Tulane PhD student (Tropical Medicine)
90. Johanna Ravenhurst (2012-13), Tulane MSPH student, Field Assistant
91. Claudia Herrera Bernal (2012-14), Postdoctoral Researcher
92. Daniel Manieri (2012), Tulane BSPH student, Field Assistant
93. Kathryn Ehrhart (2012-13), Tulane MSPH student, Field Assistant
94. Sarah Wheat (2012), Tulane BSPH student, Field Assistant
95. Christopher Roundy (2012-13), Tulane MSPH student, Field Assistant
96. Martin Carney (2011-12), Tulane BSPH Honors Thesis student, Field Assistant
97. Krystal Seger (2011-12), Tulane MSPH student, Field Assistant
98. Amy Krystosik (2011), Tulane MSPH student, Field Assistant
99. Whitney Howe (2011-12), Tulane MSPH student, Field Assistant
100. Robin Moudy (2011-13), Postdoctoral Researcher
101. Alan Goggins (2010), Tulane PhD student (BMS)
102. Emily Kelnhofer (2010-12), Tulane MSPH student, Field Assistant
103. Leslie McConnell (2010), Lusher high school student
104. Michael Celone (2010-11), Tulane BSPH student, Field Assistant
105. Trevor Thompson (2010), Tulane PhD student (Tropical Medicine)
106. Toni Hudson (2010-11), Tulane MSPH student, Field Assistant
107. Cori Pflugradt (2010-11), Tulane MSPH student, Field Assistant, TA
108. Erin Cloherty (2010-12), Tulane MSPH student, Field Assistant
109. Jessi Howard (2010), LSU MPH student, Field Volunteer
110. Courtney Standlee (2010), Field Volunteer
111. Rebekka Tremblay (2010), Univ. Texas, Houston, Field Volunteer
112. Dave Schott (2010), Tulane MSPH student, Field Assistant
113. Megan Saunders (2009-11), Tulane MSPH student, Field Assistant, TA
114. Sam Bishop Jameson (2009-17, 2020-24), Tulane BSPH student, MSPH student, Lab Supervisor, Tulane PhD awarded May, 2017, Postdoctoral Researcher
115. Kathryne Dieter (2009-10), Tulane MSPH student, Field Assistant
116. Catherine Pruszynski (2009), Tulane MSPH student, Field Assistant
117. Jym Mohler (2009-10), Postdoctoral Researcher
118. Michelle Keefer-Blythe (2009-10), Tulane MSPH student, Field Assistant
119. Davis Ogitan (2009), Tulane MD student (2nd year)
120. Mackenzie Bisset (2009), Tulane MSPH student
121. Sarah Baker (2009), Tulane MSPH student, Field Assistant
122. Eva Gougian (2009), Tulane MSPH student, Field Assistant
123. Katie Westby (2009), Tulane MSPH student, Field Assistant
124. Peggy Yo (2009-11), Tulane PhD student (Tropical Medicine)
125. Karen Boegler (2009), Tulane MSPH student, Field Assistant
126. Peter Giangreco (2009), Tulane MPH student
127. Jessica Saeger (2008-09), Tulane MSPH student, Field Assistant
128. Velma Lopez (2008-09), Tulane MPH student, Field Assistant
129. Sally Higgins (2008-09), Tulane undergraduate
130. Shea Shelton (2008-09), Tulane undergraduate, Field Assistant
131. Michael Loy (2008-09), Tulane MSPH student, Field Assistant
132. Camden Hallmark (2008-09), Tulane MPH student, Field Assistant
133. Dennis Steverson (2008), Tulane MSPH student
134. Jackie Vasquez (2008), Tulane MSPH student
135. Gabriela Estrada (2008), Loyola undergraduate, Tropical Medicine Research Scholar
136. Laura Duncan (2008-09), Loyola undergraduate, Tropical Medicine Research Scholar
137. Jason Houdek (2008), Tulane MPH student, Field Assistant

138. Mark Rider (2007-11), Tulane MSPH and PhD student
139. Kendra Anspaugh (2007), Tulane MSPH student, Field Assistant
140. Poppy Markwell (2007-08), Tulane MSPH student, Field Assistant
141. Niketta Womack (2006-07), Tulane MPH student, Field Assistant
142. Jay Kvam (2006-07), Tulane MPH student, Field Assistant
143. Eben Achionye (2006-07), Tulane MPH student, Field Assistant
144. Jennifer Klobas (2006-07), Field Assistant
145. Maxey McNeese (2006-07), Tulane MSPH student, Field Assistant
146. Max Kwarko (2006-07), Tulane MPH student, Field Assistant
147. Kristina Cesa (2006-08), Tulane MPH student, Field Assistant
148. Christina You (2006-07), Tulane MSPH student, Field Assistant
149. Donald Trainer (2006-07), Tulane MSPH student, Field Assistant
150. Chad Massey (2006-07), Tulane MSPH student, Field Assistant
151. Karen Chin (2006), Tulane MSPH student, Field Assistant
152. Brian Mack (2006), Tulane PhD student, Field Assistant
153. Brian Deskin (2006), Tulane MSPH student, Field Assistant
154. Liz Howard (2006-07), Tulane MSPH student, Field Assistant
155. Amy Brankin (2006), Tulane MSPH student, Lab Assistant
156. Jie Ting (2006), Tulane MSPH student, Field Assistant
157. Berlin Londono (2005-14), Tulane PhD awarded August, 2009; Postdoctoral Researcher
158. Ben Dunham (2005-07), Field Assistant
159. Andres Mendez (2005), Tulane undergraduate student, Field Assistant
160. Lee Michals (2005-06), Tulane undergraduate student, Field Assistant
161. Aaron Fox (2005), Tulane MCB student, Field Assistant
162. Catherine Gretchen (2005-06), Tulane MSPH student, Field Assistant
163. Christine Scott (2005-07), Tulane MSPH student, Field Assistant
164. David Nielsen (2005), Tulane MCB student (PhD), Field Assistant
165. Kaylan Stinson (2005), Tulane MSPH student, Field Assistant
166. Matt Fuller (2005-06), Tulane MSPH student, Field Assistant
167. Kelly McCabe (2005-07), Tulane MSPH student
168. Katie Rief (2005), Tulane MSPH student, Field Assistant
169. Jane Richards (2004-05), Tulane undergraduate/MSPH student, Field Assistant
170. Tunika Okatcha (2004-09), MSPH, Laboratory Research Tech, Tulane PhD student
171. Ian Mendenhall (2003-10), Tulane PhD student
172. Katie Benton (2003-05), Tulane MPH student (Epi)
173. Kirsten Snook (2003-06), Tulane MSPH student, Field Assistant
174. Brett Ellis (2003-06), Tulane PhD awarded May, 2006
175. Brian Byrd (2003-09), Tulane PhD awarded May, 2009
176. Amber Robbins (2003-04), Tulane MSPH student
177. Joseph Semien (2003-04), Tulane MSPH student
178. Jonikquea Houston (2003), Tulane MSPH student
179. Jerrilyn Shodipo-Moore (2002-09), Tulane PhD student, Lab Research Technician
180. Mark Fox (2002-06), Tulane MS student
181. Frank Mannix (2002-09), Tulane PhD student
182. Delmonique (Nikki) Lyons (2002-05), MSPH student, Lab Research Technician
183. Kevin Caillouet (2001-08), Tulane MSPH, Lab Research Tech, Tulane PhD awarded May, 2007, Postdoctoral Researcher
184. John Carlson (2001-06), MD/PhD student, Tulane PhD awarded May, 2004, Tulane Infectious Disease Resident Researcher
185. Maria Morales (2000-04), MSPH student

186. Gina Jenkins (2002), Tulane MPH student (Intl. Hlth)
187. Ebony Rose (2002), Xavier undergraduate, summer research project
188. Kayoko Nakamura (2002), MSPH student
189. Micaiah Evans (2002), MPH student (Int. Hlth.)
190. Dr. Raquel Gleiser, PhD (2001-03), postdoctoral collaborator from LSU
191. Genevieve Langdon (2001-02), MPH student (Epi)
192. Summer Nguyen (2001-02), MPH student (Epi)
193. Gina Voci (2001-02), MSPH student
194. Bethany Peel (2001-02), MSPH student, capstone project
195. Lisa Pratt (2001), MSPH student, capstone project
196. Ian Sutherland (2000-01), MSPH student
197. Bryan Shelby (2000-02), Research Epidemiologist, MSPH student, PhD student (MCB)
198. Claudia Copeland (1999-00), Tulane PhD student (MCB)
199. Stacey Lapp (1999-00), MSPH student
200. Jennifer Michelle (1999-2000), Tulane PhD student
201. Jessica Peregrine (1998-00), MSPH student, capstone project
202. Beverly Tew (1998-99), MSPH student, capstone project
203. Sarah Michaels (1998, 2006-17), Tulane MSPH student, Laboratory Research Tech, Tulane PhD awarded May, 2017
204. Ambrose A.A. Alaribe (1998-99), Fulbright Fellow from Nigeria, Visiting Researcher
205. Horacio Cadena (August 1998), Visiting researcher from Cali, Colombia (CIDEIM-sponsored)
206. Roxanne Rutledge (1997-98), PhD candidate at LSU (Baton Rouge)
207. Michael Termini (1996-98), Loyola undergraduate student, senior thesis project director
208. Rosario Cestau (1997), M.S. candidate, Visiting Researcher from Uruguay
209. Clara Ocampo (1996-2002), Tulane PhD awarded December, 2002
210. Kathy Kudish (1996-97), MSPH student
211. Jin Lizhong (1996), WHO-sponsored visiting researcher from China
212. Michele Larroque (1994-96), Loyola undergraduate student, senior thesis project director
213. Tiera Coston (summer 1995), Tulane PhD student (MCB)
214. Lana Nelson (spring 1995), MSPH student, capstone project
215. Linda Pollack (1994-95, school year), Second year medical student
216. Kelly Rudnick (fall 1994), MSPH student
217. Josephine Ebomoyi (fall 1994), MSPH student, capstone project
218. Nora Comiskey (1993-97), Tulane PhD awarded August, 1997

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33. Ellis BR, Sang RC, Michael SF, Otsyula MG, **Wesson DM**. 2008. The natural history of Yellow Fever in East Africa revisited. *Am. J. Trop. Med. Hyg.* 79(6) Supplement: 907.
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52. Herrera CP, Nation CS, Jameson SB, Buekens P, **Wesson DM**. 2013. Molecular epidemiology of Chagas disease in southeastern Louisiana: analysis of samples from peridomestic rodents and kissing bugs. *Am. J. Trop. Med. Hyg.* 89(5) Supplement: 379.

53. Herrera CP, Licon MH, Jameson SB, Buekens P, **Wesson DM**. 2014. Understanding the molecular epidemiology of *Trypanosoma cruzi* in North America: New Orleans first approach. *Am. J. Trop. Med. Hyg.* 91(5) Supplement: 163.
54. Londono BL, Chisenhall DM, Jameson SB, Morrison AC, Hontz RD, Mores CN, **Wesson DM**. 2014. IgG antibody subclasses against vector salivary proteins as a measure to risk of *Aedes aegypti* bite exposure after implementation of attractive lethal ovitraps. *Am. J. Trop. Med. Hyg.* 91(5) Supplement: 240.
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Letters to the Editor/Editorials/Commentaries

1. **Wesson DM**, Collins FH, McLain DK. 1994. Confirmation of conspecificity of two American vectors of the agent of Lyme Disease: Reply. *Parasitol. Today* 10(9): (355-356).
2. Spielman A, Andreadis TG, Apperson CS, Cornel AJ, Day JF, Edman JD, Fish D, Harrington LC, Kiszewski, AE, Lampman R, Lanzaro GC, Matuschka FR, Munstermann LE, Nasci, RS, Norris DE, Novak RJ, Pollack RJ, Reisen WK, Reiter P, Savage HM, Tabachnick WJ, **Wesson DM**. 2004. Outbreak of West Nile virus in North America. *Letters. Science* 306: 1473-1475.
3. Buekens P, Almendares O, Carlier Y, Dumonteil E, Eberhard M, Gamboa-Leon R, James M, Padilla N, **Wesson D**, Xiong X. 2008. Mother-to-child transmission of

Chagas' disease in North America: Why don't we do more? *Maternal and Child Health Journal*. 12: 283-6. Epub 2007 Jun 30.

4. Theall KP, Wallace M, **Wesson DM**. 2016. Zika: A missed opportunity to protect women's health and prevent unwanted pregnancies. *Women's Health Issues*. PMID: 27876484.

Book Chapters

1. Jameson SB, **Wesson DM**. 2016. Field Surveillance Methods for West Nile Virus. *Methods Mol Biol*. 1435:165-74. doi: 10.1007/978-1-4939-3670-0_14. PMID: 27188558, in *West Nile Virus*, Tonya M. Colpitts (Ed): Springer.

Other Publications

1. **Wesson DM**, Craig Jr GB. 1989. *Aedes albopictus*, whence and whither? *Proc. Ohio Vector Control Assoc*. 19:3-5.
2. **Wesson DM**, Hawley WA, Craig Jr GB. 1990. Status of *Aedes albopictus* in the Midwest: La Crosse belt distribution, 1988. *Proc. Illinois Mosq. and Vector Control Assoc*. 1:14-16.
3. Smith S, Michaels ST, Anderson CH, Balsamo GA, Xu Z, Roy A, Shelby B, **Wesson DM**. 2005. Louisiana ArboNet: A Web-Based Arboviral Surveillance System. *Wing Beats*. Fall Issue. 16: 16-20. (arboNet.caeph.tulane.edu)
4. Fox MS, **Wesson DM**. Revised key to the medically important larvae and adult female mosquitoes (Culicidae) of Louisiana. As part of the 2007, Louisiana Mosquito Control Training Manual.

Presentations:

Invited Presentations at Scientific/Professional Meetings:

1. American Mosquito Control Association, *Aedes albopictus* Symposium, Annual Meeting, New Orleans, LA. "Potential for organophosphate resistance in *Aedes albopictus* in the United States and Brazil." April, 1989.
2. American Mosquito Control Association, Mosquito Systematics Symposium, Annual Meeting, Corpus Christi, TX. "Use of rDNA sequence and secondary structure to predict systematic relationships within the tribe Aedini." March, 1992.
3. American Mosquito Control Association, Mosquito Systematics Symposium, Annual Meeting, Fort Myers, FL. "A molecular systematics analysis of the Culicidae." April, 1993.
4. Entomological Society of America, Formal Conference on Acarology, Annual Meeting, Indianapolis, IN. "Investigation of the validity of species status of *Ixodes dammini* (Acari: Ixodidae) using ribosomal DNA." December, 1993.

5. Society for Vector Ecology, Symposium on Genetics of Arthropod Vectors, Annual Meeting, Gainesville, FL. "Use of the internal transcribed spacer (ITS) of nuclear rDNA for vector species identification." October, 1994.
6. American Academy of Dermatology, Annual Meeting, New Orleans, LA. "Stings, bites and infestations." February, 1995.
7. American Mosquito Control Association, Mosquito Systematics Symposium, Annual Meeting, Portland, OR. "Evolution of the Culicidae: Are mosquitoes unique within the Diptera?" March, 1995.
8. American Mosquito Control Association, Mosquito Systematics Symposium, Annual Meeting, Norfolk, VA. "Analysis of internal transcribed spacer variation between selected species of *Triatoma* and *Rhodnius*." March, 1996.
9. American Mosquito Control Association, Mosquito Systematics Symposium, Annual Meeting, Salt Lake City, UT. "Characterization of internal transcribed spacer variation in *Anopheles pseudopunctipennis* s.l. from Central and South America." March, 1997.
10. American Mosquito Control Association, Seventh Annual Spanish Symposium, Annual Meeting, Salt Lake City, UT. "Infectivity and pathology of *Ascogregarina taiwanensis* in *Aedes aegypti*." March, 1997.
11. Entomological Society of America, Informal Conference: George B. Craig, Jr. – His Impact on Entomology, Annual Meeting, Nashville, TN. "Molecular taxonomy of triatomines." December, 1997.
12. Society for Vector Ecology, Symposium on Molecular Methods in Vector Systematics, Annual Meeting, College Station, TX. "Use of nuclear ribosomal DNA for vector systematics and taxonomy." October, 1998.
13. 44th Annual Biological Safety Conference, New Orleans, LA. "Roundtable – Arthropod risks and safety considerations." October, 2001.
14. Entomological Society of America, Annual Meeting, Informal Conference: Highlights of Medical and Veterinary Entomology, San Diego, CA. "Highlights of medical entomology." December, 2001.
15. Louisiana Public Health Association, Annual Conference, Baton Rouge, LA. "Mosquito distribution in rural and urban habitats." May, 2002.
16. Whitmire Institute of Technology, Annual Meeting, Toronto, Canada. "Current status of medically important arthropods and arthropod-borne diseases in North America." September, 2002.
17. Society of Wetlands Scientists, Annual Meeting, New Orleans, LA. "Invasive species, wetlands and public health in Louisiana." June, 2003.
18. 46th Teratology Society Annual Meeting, Tucson, AZ. "Is West Nile virus a teratogen?" June, 2006.

19. 71st National Environmental Health Association, Annual Meeting, Atlantic City, NJ. Biology and Control of Insects and Rodents Workshop. "Vector-borne diseases of public health importance." June, 2007.
20. American Society for Clinical Pathology, Annual Meeting, New Orleans, LA. "Current Issues in Transfusion Medicine: TRALI & Chagas' Disease." October, 2007.
21. 72nd National Environmental Health Association, Annual Meeting, Tucson, AZ. Biology and Control of Insects and Rodents Workshop. "Vector-borne diseases of public health importance." June, 2008.
22. 56th American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. Symposium 5, Infectious Diseases and other Health Risks Following Natural disasters: Experiences from Hurricane Katrina and Beyond. "Entomological surveillance and vector-borne diseases after hurricane Katrina." December, 2008.
23. 56th American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. Symposium 162, Partnerships for the Development of Novel Vector Management Strategies. "Progress toward development of an attractant-baited lethal ovitrap for *Aedes aegypti* control." December, 2008.
24. American Mosquito Control Association, Annual Meeting, New Orleans, LA. Behaviors and Operational Control, Symposium II. "Test of an attractant baited lethal ovitrap for areawide *Aedes aegypti* control in New Orleans, LA, USA." April, 2009.
25. A Re-Emerging Challenge in the Americas: Opportunities for Dengue Research Collaboration. Sponsored by NIAID, San Juan, Puerto Rico. "Lethal ovitraps and dengue prevention: report from Iquitos Peru. February, 2011."
26. 61st American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. Symposium 19. The Influence of Microorganisms on the Behavior of Disease Vectors. "Use of bacteria to enhance lethal ovitrap effectiveness for dengue control." November, 2012.
27. I Encuentro Internacional de Institutos de Medicina Tropical, Lima, Peru. "Update on evaluation of an Attractive Lethal Ovitrap (ALOT) against *Aedes aegypti* for dengue control in Iquitos." June, 2013.
28. 13th International Dengue Course, Havana, Cuba. "Evaluation of an attractive lethal ovitrap (ALOT) against *Aedes aegypti* for dengue control in Iquitos, Peru." August, 2013.
29. 2013 Grand Challenges Meeting, Rio de Janeiro, Brazil. Sponsored by BMGF. "Validation of an attractive lethal ovitrap (ALOT) for dengue control in Iquitos, Peru." September, 2013.
30. Second International Workshop on Molecular Epidemiology of Parasites and Dengue, Guayaquil, Ecuador. "Epidemiology and control of dengue transmission." October, 2013.

31. Second International Workshop on Molecular Epidemiology of Parasites and Dengue, Guayaquil, Ecuador. "Testing *Aedes aegypti* for insecticide resistance." October, 2013.
32. Second Annual Meeting of the Vector Control Advisory Group (VCAG) to the World Health Organization, Geneva, Switzerland. "Attractive Lethal OviTraps." February, 2014.
33. 62nd Entomological Society of America, Annual Meeting, Portland OR. MUVE Section Symposium, Triatominae from Genes to Populations: The Road to New Insights and Challenges on the Horizon of Vector Ecology. "Bloodmeal host preference of *Triatoma sanguisuga* (Hemiptera: Reduviidae) from Louisiana." November, 2014.
34. IV Pan-American Dengue Research Network Meeting, Belem, Brazil. "Can lethal ovitraps contribute to dengue prevention and control? Challenges to implementation and acceptance of lethal ovitraps in Peru and elsewhere." October, 2014.
35. International Life Sciences Institute, Health and Environmental Sciences Institute, Annual Combining Interdisciplinary and Translational Expertise Seminar, New Orleans, LA. "Zika virus evolution and emergence." March, 2016.
36. Society of Toxicology Annual Meeting, Immunotoxicology Specialty Section, New Orleans, LA, "Zika virus: Where did it come from and where is it going?" March 2016.
37. ID Week, Annual Meeting of the Infectious Disease Society of America, San Francisco, CA. "Entomology and Envenomation: What the Clinician Needs to Know." October, 2018.

Other Presentations at Scientific/Professional Meetings

1. **Wesson DM.** American Mosquito Control Association, Annual Meeting, Ft. Lauderdale, FL. "An unidentified species of *Ascogregarina* from the mosquito *Aedes hendersoni*." March, 1986.
2. **Wesson DM.** Entomological Society of America, Annual Meeting, Boston, MA. "Organophosphate resistance in *Culex pipiens* from northern Indiana." December, 1988.
3. **Wesson DM, Munstermann LE.** American Mosquito Control Association, Annual Meeting, New Orleans, LA. "Chlorpyrifos resistance and esterase gene amplification in wastewater breeding *Culex pipiens pipiens*." April, 1988.
4. **Wesson DM.** Entomological Society of America, Annual Meeting, Ft. Lauderdale, FL. "Organophosphate susceptibility in larval *Aedes albopictus*." December, 1989.
5. **Wesson DM, Hawley WA.** American Mosquito Control Association, Annual Meeting, Boston, MA. "Parasite-induced mortality in *Aedes albopictus*: Effects of *Ascogregarina taiwanensis* infection." April, 1990.
6. **Wesson DM, McLain DK, Collins FH.** Entomological Society of America, Annual Meeting, Reno, NV. "Comparison of ribosomal DNA for 3 *Ixodes* species: *Ixodes dammini*, *I. scapularis*, and *I. pacificus*." December, 1991.

7. **Wesson DM**, Porter CH, Collins FH. Entomological Society of America, Annual Meeting, Baltimore, MD. "Prediction of systematic relationships within the mosquito tribe Aedini using ribosomal DNA sequence and secondary structure." December, 1992.
8. **Wesson DM**, Lihong J, Estrada JG. Louisiana Mosquito Control Association, Annual Meeting, Covington, LA. "Characterization of internal transcribed spacer variation in *Anopheles pseudopunctipennis sensu lato* from Central and South America. October, 1996.
9. Comiskey N, **Wesson DM**. American Mosquito Control Association, Annual Meeting, Salt Lake City, UT. "Effect of resource limitation and gregarine infection on vector potential of *Aedes albopictus* for dog heartworm." March, 1997.
10. Comiskey N, **Wesson DM**. American Mosquito Control Association, Annual Meeting, Salt Lake City, UT. "Infectivity and pathology of *Ascogregarina taiwanensis* in *Aedes aegypti*." March, 1997.
11. Ocampo CB, Estrada-Franco JG, Lihong J, **DM Wesson**. American Mosquito Control Association, Annual Meeting, Salt Lake City, UT. "Characterization of internal transcribed spacer variation in *Anopheles pseudopunctipennis* s.l. from Central and South America." March, 1997.
12. **Wesson D**, Termini M, Comiskey N. American Society of Tropical Medicine and Hygiene, Annual Meeting, Lake Buena Vista, FL. "A PCR assay for detection of *Ascogregarina* infection in mosquitoes." December, 1997. (Late Breaker presentation)
13. Hernandez VC, Segura I, **Wesson DM**, Ocampo CB. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. "Insecticide resistance dynamics in *Aedes aegypti* from Cali, Colombia." December, 1999.
14. **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. "Environmental causes of arbovirus transmission in Louisiana." November, 1999.
15. Ocampo CB, Hernandez VC, Segura I, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. "Insecticide resistance dynamics in *Aedes aegypti* in Cali, Colombia." November, 1999.
16. Shelby B, Johnson K, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "ARBONET – An interactive online database for arbovirus surveillance." November, 2000.
17. **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Update on ASPH/CDC/ATSDR project." November, 2000.
18. Sutherland I, Campanella R, Shelby B, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Urban *Aedes* distribution patterns in New Orleans." November, 2000.

19. Campanella R, Sutherland I, Shelby B, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Spatial patterns of mosquito test-site data." November, 2000.
20. Morales M, Beier J, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Using PCR to detect prey species in mosquito predators." November, 2000.
21. **Wesson D**, Shelby B. Entomological Society of America, Annual Meeting, Montreal, Quebec, Canada. "An interactive online database for secure storage and reporting of arbovirus information." December, 2000.
22. Ocampo CB, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Understanding the role of *Aedes aegypti* in dengue transmission in Cali (Colombia): Population genetics, insecticide resistance and vector competence." September, 2001.
23. **Wesson DM**, Campanella R, Shelby B, Gleiser R. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Spatial distribution of mosquitoes in southeast Louisiana." September, 2001.
24. Gleiser R, Campanella R, Shelby B, Hugh-Jones ME, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Temporal distribution of mosquitoes in southeast Louisiana." September, 2001.
25. Shelby BD, Smith S, Xu Z, Johnson K, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "An interactive online database for secure storage and reporting of arbovirus information." September, 2001.
26. McLellan SLF, Ratard R, McAllister J, Yates M, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Outbreak of Saint Louis Encephalitis (SLE) in Monroe, Louisiana." September, 2001. (Late Breaker poster presentation)
27. Ocampo C, **Wesson D**. South Central Regional Mosquito Control Conference, Lake Charles, LA. "Can variation in local populations of *Aedes aegypti* affect dengue transmission in an urban area?" October, 2001.
28. **Wesson D**. South Central Regional Mosquito Control Conference, Lake Charles, LA. "Update and summary of ASPH/CDC/ATSDR project: Environmental causes of arbovirus transmission in Louisiana." October, 2001.
29. Gleiser R, Campanella R, Shelby B, Hugh-Jones M, **Wesson D**. South Central Regional Mosquito Control Conference, Lake Charles, LA. "Characterizing temporal distribution of potential arbovirus vectors: Initial results from a St. Tammany Parish field experiment." October, 2001.
30. Campanella R, Gleiser R, Shelby B, **Wesson D**. South Central Regional Mosquito Control Conference, Lake Charles, LA. "Characterizing habitat preferences of potential

arbovirus vectors: Initial results from a St. Tammany Parish field experiment.” October, 2001.

31. Nguyen S, Caillouët K, Peel B, Campanella R, Sutherland I, **Wesson D.** South Central Regional Mosquito Control Conference, Lake Charles, LA. “Temporal variation in New Orleans mosquitoes measured by CO2-baited light traps.” October, 2001.
32. Caillouët K, Peel B, Nguyen S, Campanella R, Sutherland I, **Wesson D.** South Central Regional Mosquito Control Conference, Lake Charles, LA. “Spatial variation in New Orleans mosquitoes measured by CO2-baited light traps.” October, 2001.
33. Carlson J, Voci G, Morales M, Campanella R, **Wesson D.** South Central Regional Mosquito Control Conference, Lake Charles, LA. “Mosquito distribution in New Orleans mosquitoes measured by gravid traps.” October, 2001.
34. Shelby B, Smith S, Johnson K, **Wesson D.** South Central Regional Mosquito Control Conference, Lake Charles, LA. “ARBONET in Louisiana – Status of the database and online features.” October, 2001.
35. Caillouët KA, Byrd BD, Carlson JC, **Wesson DM.** Society for Vector Ecology, Annual Conference, Albuquerque, NM. “Mosquito species composition along the corridor of the Barataria-Terrebonne basins, Louisiana.” September, 2002.
36. Gleiser RM, Campanella R, Shelby B, Palmisano C, Hugh-Jones ME, **Wesson D.** Entomological Society of America, Annual Meeting, Ft. Lauderdale, FL. “Temporal patterns of mosquito abundance in St. Tammany Parish, Southeast Louisiana.” November, 2002.
37. Campanella R, **Wesson D,** Caillouët K, Shelby B, Gleiser RM. Entomological Society of America, Annual Meeting, Ft. Lauderdale, FL. “Habitat characteristics of potential arbovirus vectors: field observations in St. Tammany Parish, Louisiana.” November, 2002.
38. Adams S, **Wesson D,** Mannix F, Terracina L. Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. “Site demographics for the study of WNV shedding in Calcasieu parish.” March, 2003.
39. Byrd BD, **Wesson DM.** Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. “Development of a PCR assay for the rapid identification of select *Aedes/Ochlerotatus* species from oviposition traps.” March, 2003.
40. Caillouët K, Carlson J, Fox M, **Wesson DM.** Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. “Mosquito species composition in the Barataria Basin and Lafourche Parish.” March, 2003.
41. Mannix F, **Wesson D,** Willis S, Harrington S. Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. “Preliminary results for the study of WNV shedding in field collected avian fecal droppings in Calcasieu parish.” March, 2003.

42. Smith S, Byrd BD, Xu X, **Wesson DM**. Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. "Arbonet: The second generation." March, 2003.
43. Terracina L, Adams S, **Wesson D**, Mannix F. Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. "A cooperative study to evaluate West Nile virus shedding in field collected avian fecal droppings in Calcasieu parish." March, 2003.
44. **Wesson DM**, Caillouët K, Campanella R. Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. "Distribution of *Aedes aegypti* and *Aedes albopictus* in New Orleans." March, 2003.
45. Morales M, Ocampo C, Cadena H, Copeland C, Termini M, **Wesson D**. Louisiana Mosquito Control Association Annual Meeting, Baton Rouge, LA. "Identification of morphologically similar species of *Ascogregarina* in *Aedes aegypti*, *Aedes albopictus* and *Ochlerotatus triseriatus* by the polymerase chain reaction." March, 2003.
46. Byrd BD, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Differentiation of select *Aedes/Ochlerotatus* species by size polymorphism of PCR-amplified ITS2. (Progress in the development of a rapid detection assay for container breeding *Aedes/Ochlerotatus* mosquitoes of public health importance.)" December, 2003. (Late Breaker poster presentation)
47. Ocampo CB, **Wesson DM**. American Mosquito Control Association, Annual Meeting, Savannah, GA. "Population dynamics of *Ae. aegypti* from a dengue hyper-endemic urban setting in Colombia." February, 2004.
48. Shodipo J, Byrd BD, **Wesson DM**. Environmental Research Consortium of Louisiana, New Orleans, LA. "Ongoing studies of La Crosse virus vectors (*Ochlerotatus triseriatus* and *Aedes albopictus*) in rural communities of the Kisatchie National Forest (Kisatchie District), Louisiana." October 2004.
49. Caillouët KA, Carlson JC, Fox M, **Wesson DM**. Environmental Research Consortium of Louisiana, New Orleans, LA. "Distribution of immature mosquito predators on seasonally floating freshwater marsh." October 2004.
50. Caillouët KA*, Carlson JC, Fox M, **Wesson DM**. Environmental Research Consortium of Louisiana, New Orleans, LA. "Mosquito production in the Barataria Basin marshes." October 2004.
51. Byrd BD, Benton KL, Mather FJ, **Wesson DM**. Louisiana Mosquito Control Association Annual Meeting, Monroe, LA. "Spatial Analysis of Sentinel Data Reported to the Louisiana ArboNET 2000-2004: Work In Progress." November, 2004.
52. Byrd BD, Maddox JR, **Wesson DM**. Louisiana Mosquito Control Association Annual Meeting, Monroe, LA. "PCR Identification of Container Breeding *Aedes/Ochlerotatus* Mosquitoes." November, 2004.
53. Jentes E, Benton K, Palmisano C, Taylor V, Byrd BD, Campanella R, **Wesson DM**. Louisiana Mosquito Control Association Annual Meeting, Monroe, LA. "The Effects of Urbanization on Mosquito Populations." November, 2004.

54. Byrd B, **Wesson DM**. Entomological Society of America Annual Meeting. Salt Lake City, UT. "ITS2 Polymorphisms in select container breeding *Aedes/Ochlerotatus* species (Diptera: Culicidae)." November, 2004.
55. Byrd BD, **Wesson DM**. American Society of Tropical Medicine and Hygiene 53rd Annual Meeting. Miami, FL. "Molecular identification of select container-breeding *Aedes/Ochlerotatus* mosquitoes." November, 2004.
56. Ellis BR, **Wesson DM**, Michael S, Sang R. American Society of Tropical Medicine and Hygiene 53rd Annual Meeting. Miami, FL. "Inter-epidemic yellow fever ecology in Kenya, East Africa." November, 2004.
57. Mannix F, Espino F, **Wesson DM**. American Society of Tropical Medicine and Hygiene 53rd Annual Meeting. Miami, FL. "Agricultural practices, pesticide use, and insecticide susceptibility among the malaria vector *An. flavirostris* in the Philippines." November, 2004. (Late Breaker poster presentation)
58. Byrd BD, Stav G, Lyons D, **Wesson DM**. American Mosquito Control Association Annual Meeting. Vancouver, BC. "Oviposition choice by *Aedes albopictus*: the utility of a small-scale array and point pattern analysis for determining the influence of multiple variables." April, 2005.
59. Byrd BD, Benton KL, Mather FJ, **Wesson DM**. American Mosquito Control Association Annual Meeting. Vancouver, BC. "Sentinel Chicken Flocks in Louisiana: Using Prior Data to Develop an Evidence Based Approach for Site Selection." April, 2005.
60. Byrd BD, Jentes ES, Palmisano CT, **Wesson DM**. American Mosquito Control Association Annual Meeting. Vancouver, BC. "GIS: A Case for Partnership between Mosquito Control and Academia." April, 2005.
61. Byrd BD, **Wesson DM**. American Mosquito Control Association Annual Meeting. Vancouver, BC. "Molecular Identification of Select Container-breeding Mosquitoes." April, 2005.
62. Ellis BR, **Wesson DM** and Sang R. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. "Inter-epidemic Aedine mosquito ecology studies at two arbovirus high-interface areas in Kenya." December, 2005.
63. Byrd BD, Reif K, Stuart MD, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. "HotSHOT: A Simple Method for the Preparation of PCR-Quality Mosquito DNA." December, 2005. (Late breaker poster presentation)
64. Caillouët KA, Carlson J, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. "Effect of Hurricane Katrina flood event on mosquito populations in New Orleans, Louisiana." December, 2005.
65. McCabe K, Mendenhall I, Valderrama C, Johnston-Gonzalez R, Restrepo S, Ruiz C, Angarita I, Barón O, **Wesson DM**, Ocampo C. American Society of Tropical Medicine

and Hygiene, Annual Meeting, Washington, DC. “West Nile virus surveillance in the department of Valle del Cauca, Colombia.” December, 2005. (Late breaker poster presentation)

66. **Wesson DM**, Campanella R, Benton K, Stav G, Lyons D. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. “Optimal collection method for *Aedes aegypti* and *Aedes albopictus* in New Orleans: comparison of CO₂-baited light trap, Nasci aspirator and human-landing collections.” December, 2005.
67. Mannix F, Espino F, **Wesson DM**. American Anthropology Association, Annual Meeting, Washington, DC. “Where the road ends: Malaria control and agricultural practices in the Philippines.” December 2005.
68. G Stav, **DM Wesson**. Entomological Society of America, Annual Meeting, Ft. Lauderdale, FL. “The effect of pH and season on *Aedes aegypti* and *Aedes albopictus* oviposition habitat selection.” December, 2005.
69. Byrd BD, Ellis BE, Colborn JM, Godsey M, King R, Birkhalter K, Palmisano C, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Marksville, LA. “Phylogenetic analysis of West Nile virus from Southeastern Louisiana.” January, 2006.
70. Caillouët KA, Carlson J, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Marksville, LA. “Effect of Hurricane Katrina flood event on mosquito populations in New Orleans, Louisiana.” January, 2006.
71. Mannix F, Espino F, **Wesson DM**. Society for Medical Anthropology, Annual Meeting, Vancouver, BC. “The Sickness of the Coffee: Community Priorities, Malaria Control, and a Researcher in the Middle.” March, 2006.
72. Byrd B, Swan KF, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Hammond, LA. “Phylogenetic analysis of WNV isolates from Louisiana.” November, 2006.
73. Byrd BD, Fuller MS, Swan KF, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. “Phylogenetic analysis of an avian isolate of West Nile virus, Lafayette parish, Louisiana (2005).” November, 2006.
74. Byrd BD, Stuart MD, Whitt PB, Powell EE, **Wesson DM**, Harrison BA. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. “Entomologic and small mammal studies following a La Crosse encephalitis outbreak in Transylvania county, NC 2005.” November, 2006.
75. Ponnusamy L, Xu N, Schal C, **Wesson D**, Apperson C. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. “Laboratory investigation of oviposition responses of *Aedes aegypti* and *Aedes albopictus* to organic infusions and an analysis of bacterial diversity by DGGE.” November, 2006.
76. Mendenhall I, McCabe K, Valderrama C, Cardona W, Johnston-Gonzalez R, Baron O, Isabel G, **Wesson D**, Ocampo C. American Society of Tropical Medicine and Hygiene,

Annual Meeting, Atlanta, GA. "Mosquito host preference and West Nile virus in rural birds and mosquitoes in central Colombia, South America." November, 2006.

77. Ellis BR, McElroy K, Higgs S, **Wesson DM**, Sang RC. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Yellow Fever susceptibility of two vectors from Kenya, East Africa." November, 2006.
78. Mannix F, Espino FE, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "A comparison of the effects of agricultural and public health practices on malaria vector insecticide resistance in the Philippines." November, 2006.
79. Dorn P, Periniciaro L, Steurer F, Lawrence G, Balsamo G, Diaz J, **D Wesson**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "First report of autochthonous transmission of *Trypanosoma cruzi* in Louisiana and sixth in the United States." November, 2006. (Late Breaker poster presentation)
80. Mannix F, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Potential for introduction and establishment of Japanese encephalitis virus into North America." November, 2007.
81. Jentes E, Keating J, Swalm C, Edwards C, Jacqueroz F, Noumouny S, Kourouma K, Sagno J, Rice J, Coulibaly M, **Wesson D**, Bausch DG. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Evaluation of the relationships between human activities and container breeding *Aedes* in urban West Africa using a geographic sampling strategy." November, 2007.
82. **Wesson D**, McRae S, Swan K, Hinckley AF, Xiong X, Kissinger P, Sirois P, Hayes EB, Rasmussen S, Kuhn S, O'Leary D, Buekens P, Pridjian G, Henson M. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Update on the status of the national West Nile and pregnancy outcomes study." November, 2007.
83. Mendenhall I, Valderamma C, Johnston-Gonzalez R, Cardona W, Baron O, **Wesson D**, Ocampo C. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Blood meal preference and isolation of alphaviruses and flaviviruses from mosquitoes in the Cauca Valley, Colombia, South America." November, 2007.
84. Apperson C, Czokajlo D, Kirsch P, Ayyash LA, **Wesson D**, Schal C. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "A novel lethal trap for gravid *Aedes aegypti* and *Aedes albopictus*." November, 2007.
85. **Wesson D**, Campanella R, Stav G, Michaels S. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Effect of hurricane Katrina on container breeding *Aedes* mosquito species in uptown New Orleans, Louisiana: Displacement is reversed." November, 2007.
86. **Wesson DM**, Apperson C, Schal C, Kirsch P, Byrd B Czokajlo D. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Test of an attractant baited lethal ovitrap for areawide control of *Aedes aegypti* in New Orleans." November, 2007. (Late Breaker poster presentation)

87. Cesa KL, Dorn PL, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Site of autochthonous human Chagas transmission show large number of Chagas vectors and high prevalence of *Trypanosoma cruzi* infection." November, 2007. (Late Breaker poster presentation)
88. Caillouët KA, Michaels SR, Xiong X, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Increases in West Nile neuroinvasive disease following Hurricane Katrina." November, 2007. (Late Breaker poster presentation)
89. Smith S, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "ARBONET's new look, and barcoding – how would it work?" December, 2007.
90. Byrd BD, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Evolution of West Nile virus in southeastern Louisiana." December, 2007.
91. Caillouët KA, Michaels S, Xiong X, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Increases in West Nile neuroinvasive disease following Hurricane Katrina." December, 2007.
92. **Wesson DM**, Apperson C, Schal C, Kirsch P, Byrd BD, Czokajlo D. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Test of an attractant-baited lethal ovitrap for area wide control of *Aedes aegypti* in New Orleans, LA." December, 2007.
93. Michaels SR, Caillouët K, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Changes in *Aedes aegypti* and *Aedes albopictus* relative population densities in New Orleans, 2005-2007." December, 2007.
94. Cesa KL, Dorn PL, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Site of autochthonous human Chagas transmission shows large number of Chagas vectors and high prevalence of *Trypanosoma cruzi* infection." December, 2007.
95. Moore J, Shelton S, Saeger J, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Lake Charles, LA. "New methods for dying *Culex* mosquitoes for mark-release-recapture studies." December, 2008.
96. Michaels S, Rider MA, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Lake Charles, LA. "Bloodmeal host identification in *Aedes aegypti* and *Ae. albopictus* in Orleans Parish, Louisiana." December, 2008.
97. Hallmark C, Loy M, Lopez V, Michaels S, Estrada G **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Lake Charles, LA. "Continued surveillance for Chagas disease vectors in southeastern Louisiana." December, 2008.

98. Rider MA, Byrd BD, Caillouët KA **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Lake Charles, LA. "Persistence of *Plasmodium* DNA in desiccated *Anopheles* mosquitoes as determined by real-time PCR." December, 2008.
99. Foppa IM, Caillouët KA, Michaels SR, Cortez R, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Host density effects on feeding behavior of *Culex quinquefasciatus* Say (Diptera: Culicidae)." December, 2008.
100. Michaels SR, Yates M, Kramer W, **Wesson D**, Foppa I. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Predictors for Epidemic West Nile Virus Transmission in East Baton Rouge Parish, Louisiana, 2003-2007." December, 2008.
101. Caillouët KA, Michaels SR, Xiong X, Foppa I, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Regional increase in West Nile neuroinvasive disease after Hurricane Katrina." December, 2008.
102. de la Rua N, Cesa K, Perniciaro L, **Wesson D**, Dorn PL. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Genetic structure of a highly *Trypanosoma cruzi*-infected population of *Triatoma sanguisuga* in New Orleans, Louisiana, USA." December, 2008.
103. Rider MA, Byrd BD, Caillouët KA, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Persistence of *Plasmodium* DNA in desiccated *Anopheles* mosquitoes as determined by real-time PCR." December, 2008.
104. Ellis BR, Sang RC, Michael SF, Otsyula MG, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "The natural history of Yellow Fever in East Africa revisited." December, 2008.
105. Michaels SR, Houdek JW, Byrd BD, Rider MA, Estrada G, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Host-feeding patterns of *Aedes aegypti* and *Aedes albopictus* in New Orleans, Louisiana, 2006." December, 2008.
106. Christofferson RC, Mores CN, Roy A, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Determining factors that predict West Nile virus positive mosquito pools in three Louisiana parishes." December, 2008.
107. Ponnusamy L, Ayyash LA, Nojima T, Kirsch P, **Wesson DM**, Schal C, Apperson CS. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Calcium alginate formulations of bacteria from plant infusions produce oviposition attractants and stimulants for gravid *Aedes aegypti* and *Aedes albopictus*. December, 2008."
108. Byrd BD, Goggins JA, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. "Multiplex PCR assay for the detection and

simultaneous differentiation of container-inhabiting *Aedes* mosquitoes in La Crosse virus endemic areas.” November, 2009.

109. Londono-Renteria B, Carvajal D, Palacios D, Massey C, Keating J, Eisele T, James M, Krogstad D, **Wesson D**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. “Comparison of immunogenic proteins to saliva of *Anopheles albimanus*, *Anopheles stephensi* and *Aedes aegypti* in serum from individuals living in areas where these species are or are not endemic.” November, 2009.
110. Londono-Renteria B, Carvajal D, Palacios D, Bennet A, Moses L, Keating J, Eisele T, James M, Krogstad D, **Wesson D**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. “Immunogenicity of *Anopheles albimanus* saliva in malaria endemic and non-endemic areas.” November, 2009.
111. Ponnusamy L, Ayyash LA, , Schal C, and Apperson CS. American Society of Tropical Medicine and Hygiene, **Wesson DM** Annual Meeting, Washington DC. “Alginate-encapsulated formulation of bacteria that attract gravid *Aedes aegypti* and *Aedes albopictus*.” November, 2009.
112. Foppa IM, Moore JL, Cortez R, Gallegos AC, and **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. “The relationship between host abundance and per-host feeding density of *Culex quinquefasciatus* Say (Diptera: Culicidae).” November, 2009.
113. Mendenhall I, Tello S, Neira LA, Ramirez JE, Castillo LF, Ocampo CB, **Wesson D**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. “*Culex erraticus* host preference in Sonso Lagoon, Colombia – A generalist and a specialist?” November, 2009.
114. Rider MA, Caillouët KA, **Wesson DM**, Hong Y. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington DC. “Synthetic peptide inhibition of dengue virus infection in *Aedes aegypti* mosquitoes.” November, 2009.
115. Ponnusamy L, Böröczky K, **Wesson DM**, Schal C, Apperson CS. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. “Effects of bacterial growth on the hatching of *Aedes aegypti* eggs.” November, 2010.
116. Saunders M, Blyth M, Westby K, Michaels S, Standlee C, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. “New Orleans cemeteries container assessment: a five month study.” November, 2010.
117. **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. “Overview of dengue transmission worldwide.” November 2010.
118. Michaels S, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. “Vector biology considerations in assessing dengue epidemic risk in Louisiana. November, 2010.

119. Rider M, Caillouët K, Kang S, **Wesson D**, Hong Y. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. "Peptide inhibitors to dengue and West Nile virus cell entry." November, 2010.
120. Moudy R, Jameson S, Astete H, Morrison A, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Covington, LA. "Examination of insecticide resistance in *Aedes aegypti* in New Orleans, LA and Iquitos, Peru. November, 2011.
121. Michaels S, Howe W, Nguyen M, Harrison C, Riegel C, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Covington, LA. "Increased surveillance for dengue vectors in New Orleans, Louisiana and implications for disease transmission. November, 2011.
122. Michaels SR, Carroll MK, **Wesson DM**, Riegel C. American Society of Tropical Medicine and Hygiene, Annual Meeting, Philadelphia, PA. "Development and implementation of a pro-active dengue response plan in New Orleans, Louisiana." December, 2011.
123. **Wesson DM**, Morrison AC, Paz Soldan VA, Moudy RM, Long K, Ponnusamy L, Mohler JP, Astete H, Kennedy L, Halsey ES, Schal C, Scott TW, Apperson CS. Third Pan American Dengue Research Network Meeting .Cartagena, Colombia. "Evaluation of an attractive lethal ovitrap (ALOT) against *Aedes aegypti* for dengue control in Iquitos, Peru." September, 2012.
124. **Wesson DM**, Morrison AC, Paz Soldan VA, Moudy RM, Long K, Ponnusamy L, Mohler JP, Astete H, Kennedy L, Halsey ES, Schal C, Scott TW, Apperson CS. 15th International Congress on Infectious Diseases, Bangkok, Thailand. "Lethal ovitraps and dengue prevention: report from Iquitos, Peru." June, 2012.
125. **Wesson DM**. Asia-Pacific Development Summit, Jakarta, Indonesia. "An attractive lethal ovitrap (ALOT) for *Aedes aegypti* and dengue control." September, 2012.
126. **Wesson DM**, Morrison AC, Paz Soldan VA, Moudy RM, Long K, Ponnusamy L, Mohler JP, Astete H, Kennedy L, Halsey ES, Schal C, Scott TW, Apperson CS. European Society for Vector Ecology, Montpellier, France. "Evaluation of an attractive lethal ovitrap (ALOT) against *Aedes aegypti* for dengue control in Iquitos, Peru." October, 2012.
127. Moudy RM, Jameson SB, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Examination of insecticide resistance in *Aedes aegypti* populations in New Orleans, LA." November, 2012.
128. Stell FM, Roe MR, Arellano C, Kennedy L, Thornton H, Saavedra-Rodriguez K, **Wesson DM**, Black, IV WC, Apperson CS. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Novel insecticide bioassay based on sugar feeding by adult *Aedes aegypti* (L.) (DIPTERA: CULICIDAE)." November, 2012.
129. Astete H, Hudson TML, Paz-Soldan VA, Halsey ES, Scott TW, Morrison AC, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Evaluation of long-lasting alpha-cypermethrin impregnated nets in attractive lethal ovitraps (ALOT) against *Aedes aegypti* for dengue control in Iquitos, Peru." November, 2012.

130. Buekens P, Cafferata ML, Alger J, Althabe F, Belizan J, Carlier Y, Ciganda A, Dumonteil E, Gamboa-Leon R, Howard E, Matute ML, Sosa-Estani S, Truyens C, **Wesson D**, Zuniga C. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Congenital transmission of *Trypanosoma cruzi* in Argentina, Honduras, and Mexico: an ongoing study." November, 2012.
131. **Wesson DM**, Morrison AC, Paz Soldan VA, Moudy RM, Long K, Ponnusamy L, Mohler JP, Astete H, Kennedy L, Halsey ES, Schal C, Scott TW, Apperson CS. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Evaluation of an attractive lethal ovitrap (ALOT) against *Aedes aegypti* for dengue control in Iquitos, Peru." November, 2012.
132. Michaels SR, Christofferson RC, Riegel C, **Wesson DM**, Mores CN. American Society of Tropical Medicine and Hygiene, Annual Meeting, Atlanta, GA. "Characterization of the resurgence of West Nile virus in New Orleans, Louisiana – 2012." November, 2012.
133. **Wesson D**, Moudy R, Michaels S, Jameson S, Howe W, Seger K and Riegel C. Louisiana Mosquito Control Association, Annual Meeting, Lafayette, LA. "Large scale control of *Aedes albopictus* in southern Louisiana: is it possible?" December, 2012.
134. Moudy R, Jameson S, Lopez V, Michaels S, Caillouet K, Hallmark C, Londono B, Balsamo G, Foppa I, Dorn P, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Lafayette, LA. "Analysis of household environmental factors associated with peridomestic *Triatoma sanguisuga* presence in SE Louisiana." December, 2012.
135. **Wesson DM**, Morrison AC, Paz Soldan VA, Moudy RM, Kanya Long K, Ponnusamy L, Davis JK, Astete H, Halsey ES, Schal C, Scott TW, Apperson CS. The Third International Conference on Dengue and Dengue Haemorrhagic Fever, Bangkok, Thailand. "Validation of an attractive lethal ovitrap (ALOT) for dengue control in Iquitos, Peru." October, 2013.
136. **Wesson DM**, Morrison AC, Paz Soldan VA, Moudy RM, Kanya Long K, Ponnusamy L, Davis JK, Astete H, Kennedy L, Halsey ES, Schal C, Scott TW, Apperson CS. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. "Update on evaluation of an attractive lethal ovitrap (ALOT) against *Aedes aegypti* for dengue control in Iquitos, Peru." November, 2013.
137. Jameson SB, Herrera CP, Nation CS, Moudy RM, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. "Toward an understanding of host preference in *Triatoma sanguisuga* (Hemiptera:Reduviidae)." November, 2013.
138. Herrera CP, Nation CS, Jameson SB, Buekens P, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, Washington, DC. "Molecular epidemiology of Chagas disease in southeastern Louisiana: analysis of samples from peridomestic rodents and kissing bugs." November, 2013.

139. Michaels SR, Ruiz A, Jameson SB, Davis JK, Riegel C, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Marksville, LA. "Comparison of adult trapping methods for *Aedes* in New Orleans." December, 2013.
140. Davis JK, **Wesson D**, Caillouët KA. Louisiana Mosquito Control Association, Annual Meeting, Marksville, LA. "Time and space in St. Tammany: historic associations of vector abundance and West Nile virus from 2005-2013." December, 2013.
141. **Wesson D**, Morrison AC, Paz Soldan VA, Moudy RM, Kanya Long K, Ponnusamy L, Davis JK, Astete H, Kennedy L, Halsey ES, Schal C, Scott TW, Apperson CS. Louisiana Mosquito Control Association, Annual Meeting, Marksville, LA. "Validation of an attractive lethal ovitrap (ALOT) for dengue control in Iquitos, Peru." December, 2013.
142. Moudy RM, Michaels SR, Jameson SB, Londono B, Lopez V, Caillouët K, Hallmark CJ, Davis JK, Foppa IM, Dorn PL, **Wesson DM**. Louisiana Mosquito Control Association, Annual Meeting, Marksville, LA. "Household environmental factors associated with peridomestic *Triatoma sanguisuga* (Hemiptera: Reduviidae) presence in southeastern Louisiana." December, 2013.
143. Herrera CP, Licon MH, Jameson SB, Buekens P, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Understanding the molecular epidemiology of *Trypanosoma cruzi* in North America: New Orleans first approach." November, 2014.
144. Londono BL, Chisenhall DM, Jameson SB, Morrison AC, Hontz RD, Mores CN, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "IgG antibody subclasses against vector salivary proteins as a measure to risk of *Aedes aegypti* bite exposure after implementation of attractive lethal ovitraps." November, 2014.
145. Manore CA, Davis JK, Christofferson RC, **Wesson DM**, Hyman JM, Mores CN. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Spatial analysis and evaluation of 2014 predictions for a West Nile virus early warning system." November, 2014.
146. Davis JK, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "Population dynamics of *Aedes aegypti* and *albopictus* in New Orleans, LA, 2009-2013." November, 2014.
147. Jameson SB, Ash D, **Wesson DM**. American Society of Tropical Medicine and Hygiene, Annual Meeting, New Orleans, LA. "A novel artificial membrane feeding system for hematophagous arthropods." November, 2014.
148. Herrera C, Licon M, Jameson S, Buekens P, **Wesson DM**. Entomological Society of America, Annual Meeting, Portland, OR. "A review of phylogenetic relationships among *Trypanosoma cruzi* and *Triatoma sanguisuga*: First Tc1a report in New Orleans." November 2014.

149. Caillouët K, Kealy K, Moppert K, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Results of the Louisiana arbovirus surveillance survey." December, 2014.
150. Thongsripong P, Davis J, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Analysis of New Orleans ovitrap data from 2009-2014." December, 2014.
151. Davis J, Michaels S, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Surveillance for *Aedes aegypti* and *Ae. albopictus*: pitfalls and perils and how to read the data." December, 2014.
152. Ash D, Jameson S, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Novel membrane feeding device for colony maintenance." December, 2014.
153. Herrera C, Jameson S, Licon M, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, New Orleans, LA. "Peridomestic rodents maintain Chagas disease close to humans." December, 2014.
154. Taylor M, Goggins A, Singleton M, Henry M, Sither C, Barrera R, Amador M, Harrison B, **Wesson D**, Byrd B. American Mosquito Control Association, Annual Meeting, Savannah, GA. "Identification of La Crosse virus and dengue vectors collected from sticky traps using molecular and morphological methods." February, 2016.
155. Thongsripong P, Michaels S, Jameson S, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. "Distribution and oviposition intensity of Zika virus vectors *Aedes aegypti* and *Aedes albopictus* in the Greater New Orleans area." December, 2016.
156. Ward M, Thongsripong P, Michaels S, **Wesson D**. Louisiana Mosquito Control Association, Annual Meeting, Baton Rouge, LA. "Vector competence of New Orleans *Aedes aegypti* mosquitoes for Zika virus." December, 2016.

Invited External Lectures/Seminars

1. Florida Atlantic University, Dept. of Biology, Boca Raton, FL. "Molecular Tools for Phylogenetic Analysis of Medically-Important Insects." October, 1994.
2. Universidad Mayor de San Simon, Aula Magna Facultativa Medicina, Cochabamba, Bolivia. "PCR Techniques for the Study of Insect Disease Vectors" and "Molecular Studies of Insect Vectors Using the Internal Transcribed Spacer of Ribosomal DNA." December, 1994.
3. Loyola University, Dept. of Biological Sciences, New Orleans, LA. "Molecular Analysis of Medically-Important Insects." May, 1995.
4. Louisiana Mosquito Control Association, Annual Workshop, Baton Rouge, LA. "Current Status of Mosquito-Borne Diseases in the United States" March, 1997.

5. University of Vermont, Dept. of Biology, Burlington, VT. "Molecular Tools for Analysis of Insect - Parasite Systems." April, 1999.
6. University of New Orleans, Dept. of Biology, New Orleans, LA. "Molecular Taxonomy of Insect Vectors and Their Parasites." April, 1999.
7. North Central College, Dept. of Biology, Naperville, IL, plenary speaker for regional Tri-Beta meeting. "Molecular Analysis of Insect - Parasite Systems." May, 1999.
8. University of Illinois at Urbana-Champaign, Dept. of Entomology, Urbana, IL. "*Aedes albopictus* in New Orleans: An Invasive Exotic in the Big Easy." March, 2001.
9. Louisiana Mosquito Control Association, Spring Workshop, Monroe, LA. "Mosquito-borne Disease Transmission and Ecology." March, 2002.
10. Loyola University, Dept. of Biological Sciences, Research Seminar Series, New Orleans, LA. "Modeling Risk for Mosquito Transmitted Viruses in Louisiana." April, 2002.
11. Louisiana Public Health Association, Annual Conference, Baton Rouge, LA. "Mosquito Transmitted Viruses in Louisiana." May, 2002.
12. City Wide Infectious Disease Conference, New Orleans, LA. "West Nile and Other Mosquito-Borne Viruses in Louisiana." August, 2002.
13. Audubon Institute, New Orleans, LA. "West Nile Virus in the United States, 2003." March, 2003.
14. Tulane Environmental Law Conference, New Orleans, LA. "Mosquitoes: To Kill or Not to Kill?" March, 2003.
15. University of Texas Medical Branch, Galveston, TX. "Ecology of Arbovirus Vectors in the Southeastern United States." April, 2003.
16. National Wetlands Research Center, U. S. Geological Survey, Lafayette, LA. "Preliminary Investigation of Red-cockaded Woodpecker Prey at the Big Branch Marsh National Wildlife Refuge: a Multi-tiered Non-invasive Approach." June, 2006.
17. Citywide Infectious Disease Conference, Ochsner Hospital, New Orleans, LA. "Epidemiology of West Nile Virus and Potential for Introduction of Exotic Arboviruses." May, 2008.
18. Southeastern Louisiana University, Hammond, LA. "Chagas Disease in Southeastern Louisiana." October, 2008.
19. General Pest Academy, New Orleans, LA. Sponsored by the City of New Orleans and the Greater New Orleans Pest Control Association. "Vector-Borne Zoonotic Diseases of importance in Louisiana." October, 2009.

20. Mosquito Academy, New Orleans, LA. Sponsored by the City of New Orleans and the Louisiana Mosquito Control Association. "Overview of the Zika Virus Pandemic." April, 2016.
21. Louisiana State University Health Sciences Center, Department of Microbiology, Immunology and Parasitology. "Mosquito-borne Viruses of the Gulf Coast Region." September, 2016.
22. Xavier University of Louisiana, Project Pathways/ BUILD Speaker Series. "Zika Virus Pandemic – Update." October, 2016.
23. Nicholls State University, Environmental Regulation, Law and Policy Workshop. "Vector Control in Louisiana." February, 2017.
24. Citywide Infectious Disease Conference, Ochsner Hospital, New Orleans, LA. "Vector-borne Diseases of the Gulf South." October, 2018

Grants and Contracts:

- 1991-92 National Research Council postdoctoral fellowship award based on competitive research proposal. Stipend for two years and research support.
- 1994-97 Louisiana Board of Regents, LEQSF(1994-97)-RD-A-32 "Molecular and Morphological Examination of the Species Concept in the Dipteran Family Culicidae." 07/01/94 - 06/30/97. Role: P.I.
- 1997-98 SPHTM Seed Grant for Junior Faculty. "Development of Molecular Tools for Surveillance of Chagas Disease Vectors." 03/01/97 - 02/28/98. Role: P.I.
- 1997-99 World Bank PPD - G7 / Pilot Programme for the Protection of Brazilian Tropical Forests (Biodiversity). "Sandflies, Kissing Bugs and Associated Trypanosomes: Diagnosis and Monitoring of Biological Diversity in the Amazon and Interactions with Human Populations." P.I. – Toby Barrett; 01/01/97 - 12/31/99. Role: Co-Investigator.
- 1998-99 Tulane Center for Bioenvironmental Research (CBR). CBR Scholars grant, "Biology and Vector Competence of Potential Dengue Vectors in Louisiana." 03/01/98 - 02/28/99. Role: P.I.
- 1999-01 Dept. of Defense/Office of Naval Research (Bioenvironmental Hazards Program), 98-019, "Pest Distribution of Vectors in New Orleans." 07/01/99 - 06/30/00. Role: P.I.
- 1999-04 NIH-ICIDR "Larval Ecology of African Malaria Vectors." P.I. - John Beier; 06/01/99-05/31/04. Role: Co-Investigator.
- 1999-01 ASPH/CDC/ATSDR Cooperative Agreement, (S1197-19/19), "Environmental Causes of Arbovirus Transmission in Louisiana." 10/01/99 - 09/30/01. Role: P.I.

- 2001-02 Johnston Science Foundation, "Environmental Risk Factors for Eastern Equine Encephalitis Transmission in Louisiana." 8/10/01 - 8/9/02. Role: P.I.
- 2002-03 ASPH/CDC/ATSDR Cooperative Agreement (A1105-21/21), "Targeted Pre-Event Message Development for Weapons of Mass Destruction Threats." P.I. – Michael Maetz, 10/01/02 - 09/30/03. Role: Co-Investigator.
- 2002-04 Coypu Foundation of Louisiana, "Invasive Mosquito and Virus Species." P.I. - Doug Meffert, 01/01/02 – 12/31/04. Role: Co-Investigator.
- 2001-06 ASPH/CDC/ATSDR Cooperative Agreement, (S1740-21/21), "Distribution of Urban Mosquito Vectors in New Orleans." 10/01/01 - 09/30/05. Role: P.I.
- 2003-07 USGS, National Wetlands Research Center (3-LASA-01380), "Effects of Ultra Low Volume Aerial Application of Naled on Non-target Insect Species." 09/29/03 - 03/31/07. Role: P.I.
- 2002-08 Centers for Disease Control and Prevention (T01/CCT622308-01), "Fellowship Training Program in Vector-Borne Infectious Diseases at Tulane University." 09/30/02 - 09/29/08. Role: P.I.
- 2003-09 NIH/NIAID Cooperative Agreement (U01 AI 58303-01), "Control of Urban Container-Breeding Arbovirus Vectors." 09/01/03 - 02/28/09. Role: P.I.
- 2003-09 Louisiana Office of Public Health contract, "Renovations to Louisiana Arbonet Website." 08/29/03 - 08/28/10. Role: P.I.
- 2004-09 CDC/NCID/NCBDDD Cooperative Agreement (1 U01 DD000026-01), "WNV Infection and Outcomes of Pregnancy in Humans." 09/01/04 - 08/31/10. Role: P.I.
- 2007-08 Tulane Research Enhancement Fund II, "Toward Resolving Aedine Mosquito Phylogeny." 05/01/07 – 11/30/08. Role: P.I.
- 2007-10 Louisiana Board of Regents and Recovery Authority, Research Competitiveness and Educational Enhancement Program, "Chagas Disease in Southeastern Louisiana." P.I. – Patricia Dorn, 07/01/07 – 06/30/10. Role: Co-Investigator.
- 2008 Tulane Research Enhancement Fund II, "Serosurvey for Human Exposure to Chagas Parasites in Southern Orleans Parish Wesson." 1/01/08 – 12/31/08. Role: P.I.
- 2008-14 Bill and Melinda Gates Foundation (50025), "Development and Proof of Efficacy of a Lethal Ovitrap for Dengue Prevention." 11/1/08 – 10/31/15. Role: P.I.
- 2010-15 NIH/NIAID/IRAP (1 R01 AI083563-01), "Congenital Transmission of Lineages I and II of *Trypanosoma cruzi*." P.I. – Pierre Buekens, 03/15/10 - 02/28/15. Role: Co-Investigator.

- 2011-16 NIH/NIGMS/MIDAS (1 U01 GM097661-01), "Predicting Vector-Borne Virus Transmission Dynamics and Emergence Potential." P.I. – Christopher Mores, 04/01/11 - 04/30/17. Role: Co-Investigator.

The major goal of this study is to use mathematical modeling to better understand the emergence/re-emergence of dengue fever and similar mosquito-borne diseases and to evaluate the effectiveness of intervention strategies on stopping them.

- 2015-16 NIH/NIAID (R43 AI115782), "Refinement of an Autocidal Gravid Ovitrap for Mass-manufacturing." P.I. Mike Banfield, 07/01/15 – 03/31/16. Role: Co-Investigator.

The goal of this project is to determine the feasibility of mass manufacturing, through injection molding or other, the CDC Autocidal Gravid Ovitrap invention.

- 2015-17 Bill and Melinda Gates Foundation (OPP1140187), "Artificial Mosquito Diet for New Vector Control Approaches." 11/01/15 – 4/30/17. Role: P.I.

The goal of this study is to develop a synthetic blood substitute to be used for mosquito colony maintenance in resource poor settings.

- 2016-18 NIH/NIAID (R43 AI115782B), "Refinement of an Autocidal Gravid Ovitrap for Mass-manufacturing." P.I. Mike Banfield, 04/01/16-03/31/18. Role: Co-Investigator.

The goal of this project is to determine the feasibility of mass manufacturing, through injection molding or other, the CDC Autocidal Gravid Ovitrap invention. This is a continuation of the above listed funding.

- 2018-20 Vysnova/CDC (SC-2017-3034-TU), "Zika Virus Colombia Cohort Study (ZEN)." P.I. Pierre Buekens, 01/01/18-05/31/20. Role: Co-Investigator.

This study is the continuation of a prospective study on Zika virus (ZIKV) during pregnancy in Tegucigalpa, Honduras. We will enroll 3,000 women through May 2020. At the time of enrollment, women are interviewed to collect data on socio-demographics, ZIKV symptoms during pregnancy, and information to locate them for potential additional follow-up. We also collect maternal blood as soon as possible after enrollment.

- 2017-21 Louisiana Board of Regents, "Graduate Fellows Program in Tropical Medicine at Tulane University." 08/01/17-07/31/21. Role: P.I.

This funding provides four years of stipend support for a PhD student training in Tropical Medicine.

- 2020-23 Kleberg Foundation, "Development of a throughput system to test antiviral compounds against virus-infected mosquitoes." PI: Jordan Miller, Rice U. 06/15/20-06/14/23. Role: Co-PI.

We have developed a novel mimic of vascularized human skin, using advanced 3D bioprinting, that we show facilitates the complete spectrum of host-finding behaviors of live mosquitoes within a precisely engineered environment. This novel system provides us an unprecedented opportunity to interrogate the interplay between blood-carried volatile attractants emitted through the skin mimic and their competition with topical repellants of mosquito feeding. We further will investigate arbovirus transmission by the Yellow Fever mosquito, *Aedes aegypti*, in the laboratory and in the field using this synthetic skin mimic.

Patents

U.S. Patent No. 9,392,788

“Mosquito Attractant Methods and Composition”

Inventors: Loganathan Ponnusamy, Ning Xu, Coby Schal, Charles S. Apperson and Dawn M. Wesson

U.S. Patent Application No. WO 2011/094581

"Mosquito Trap"

Inventors: Dawn M. Wesson, Charles S. Apperson, Loganathan Ponnusamy, Ning Xu, Coby Schal, and Christopher Hoffman

New U.S. Provisional Patent Application No. 63/377,160

“Plant-based Hematophagous Insect Diet and Methods of Use”

Inventors: Samuel Jameson and Dawn Wesson

Service:

Program Review Activities (external)

PSC-CUNY Research Award Program, external reviewer, 1994.

Association of Schools of Public Health, reviewer, 1995 ASPH Public Health Fellowship Program.

External Reviewer, The American University in Cairo, School of Sciences and Engineering, 1999.

External Reviewer, Military Infectious Diseases Research Program, 2000-02.

External Proposal Reviewer, The Bill and Melinda Gates Foundation, 2007.

Journal Review Activities (External reviewer at various times, 1993-present):

American Journal of Tropical Medicine and Hygiene
Emerging Infectious Diseases
Insect Molecular Biology
Journal of Vector Ecology
Journal of the American Mosquito Control Association
Journal of the Entomological Society of America

Memórias do Instituto Oswaldo Cruz
Molecular Biology and Evolution
Molecular Phylogenetics and Evolution
Parasites and Vectors
PLoS Neglected Tropical Diseases
Public Health Reports
Sustainability: Sustainable Urban and Rural Development (Editorial Board, 2020)
The Journal of Parasitology
The Lancet
The Texas Journal of Science
Vector-Borne and Zoonotic Diseases

Tulane University Committees:

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|--|---|
| University: | <ul style="list-style-type: none">• Senate Committee on Physical Facilities, 1995-97• University Senate, 1997-03 (2 terms) |
| Health Sciences Center | <ul style="list-style-type: none">• Institutional Biosafety Review Committee, 2004-08• Infectious Diseases Task Force, 2008• Steering Committee, Center for Infectious Diseases, 2009• Search Committee, Parasitology at Tulane National Primate Research Ctr., 1997• Search Committee, Infectious Disease Researchers, Tulane National Primate Research Ctr., 2010 |
| School of Public Health and Tropical Medicine: | <ul style="list-style-type: none">• Curriculum Committee, 1994-98• Information Systems Committee, appointed 1994• Salary, Tenure, Practice Plan Committee, 1995-97• Teaching Award Committee, appointed 1998• Library Committee, appointed 1998• Ad hoc Committee Honor Board Policy Revisions, 1998• Ad hoc Com. Faculty Constitution and Bylaws Revisions, 2000• Ad hoc Com. Issues Affecting Women and Minorities, 2000-01• University Senate Rep. to the Executive Committee, 2000-01• Doctoral Program Review Committee, 2003-04• Bachelor of Science in Public Health Committee, 2004-08• SPHTM Doctoral Review Committee, 2008-15• SPHTM Doctoral Programs Committee, 2015-24• Dean's Research Council, 2012-24• Emergency Preparedness Committee, 2022-24 |
| Department of Tropical Medicine: | <ul style="list-style-type: none">• Research Environment Committee, 1995• MSPH Admissions Committee, 1996-01• Search Committee, Hemorrhagic Fever Specialist and Medical Entomologist, 2003 |

- Search Committee, Chair of the Department of Tropical Medicine, 2008-09
- Doctoral Admissions Committee, Chair, 2008-24
- Search Committee, Tropical Medicine Faculty, 2011-13
- Junior Faculty Mentor, 2013-24
- Search Committee, Chair, Chagas Disease Specialist, 2015-17
- Search Committee, Chair of the Department of Tropical Medicine, 2018-19
- Search Committee, Tropical Medicine Faculty, 2020, 2021

Miscellaneous

I provide expert advice to Tulane physicians and affiliates on occasions where myiasis or other insect infestation is suspected. Most recently, I worked with Drs. Susan McLellan (Dept. of Infectious Disease) and John Carlson (Dept. of Pediatrics, Allergy/Immunology Section). When calls about insect-related problems come to the university, I am often the person who responds to them.

I have made numerous presentations on the topic of vector-borne diseases to Rotary Clubs and other local civic organizations, as well as to Tulane undergraduate and medical school groups upon request. Some recent (since 2016) presentations were to the Tulane Women in Science organization, and for the undergraduate Public Health Week. I frequently am asked to give interviews by local and national news organizations on the topic of vector-borne diseases. When asked, I work with Tulane media professionals to ensure accurate reporting on emerging infectious diseases, including dengue, chikungunya and Zika.

<http://www2.tulane.edu/publichealth/pressroom/zika-virus.cfm>

<https://www.youtube.com/watch?v=WgYQ6McYjpQ&t=113s>