

Rebecca C. Wilson
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Education

University of Maryland, College Park, MD
Ph.D. in Entomology, December 2018
Dissertation: "Spatial Distribution, Habitat Preference, and Societal Impact of the Nuisance Black Fly, *Simulium jenningsi*"
Advisor: Dr. William Lamp

University of North Texas, Denton, TX
B.S. in Biology, May 2012
Thesis: "Life Histories of *Edwardsina sp.* and *Andesiops ardua* from Navarino Island, Chile"
Advisor: Dr. James Kennedy

Professional Experience

Graduate Research Assistant,
August 2013 – December 2018
Lab of Dr. William Lamp, University of Maryland

Museum Collections Curator,
September 2010 – September 2012
Elm Fork Natural Heritage Museum, University of North Texas

Undergraduate Research Assistant,
January 2010 – May 2012
Lab of Dr. James Kennedy, University of North Texas

Teaching Experience

Teaching Assistant (Laboratory), Fall 2016 and Fall 2017
BSCI 467: Freshwater Biology, University of Maryland

Teaching Assistant (Laboratory), Spring 2017
BSCI 337: Insect Biology, University of Maryland

Teaching Assistant (Laboratory/Lecture), Fall 2014, Spring 2015, and Spring 2016
BSCI 106: Principles of Biology II, University of Maryland

Publications

Wilson, R. C. and B. Lamp. 2015. Black flies, or "gnats" in nuisance swarms in Western Maryland. University of Maryland Extension Agronomy News 6(4): 5-6.

Wilson, R. C., A. W. Leslie, E. Spadafora, and W. O. Lamp. 2014. Identifying the nuisance black flies (Diptera: Simuliidae) of Washington County, Maryland. The Maryland Entomologist. 6: 41-48.

Symposium Organizer

“Resurgence of Black Flies (Diptera: Simuliidae) in the Academic and Public Arenas.” 2017. Entomological Society of America Annual Meeting.

Presentations

Wilson, R. C., and W. O. Lamp. 2018. When "gnat" becomes "nuisance." Resident surveys reveal discrepancies in the perception and impact of black flies. Oral Presentation: Entomological Society of America Eastern Branch Annual Meeting.

Wilson, R. C., and W. O. Lamp. 2018. Ecological and societal considerations for the future of Maryland *Simulium jenningsi* management. Oral Presentation: North American Black Fly Association Annual Meeting.

Wilson, R. C., and W. O. Lamp. 2017. How many gnats are too many? Resident concerns and black fly abundance vary along a spatial gradient. Oral Presentation: Entomological Society of America Annual Meeting.

Wilson, R. C., and W. O. Lamp. 2017 Mapping “gnats” in Maryland: Lifestage distribution of the black fly *Simulium jenningsi*. Poster Presentation: University of Maryland AGNR Open House.

Wilson, R. C., and W. O. Lamp. 2017. Colonization patterns of larval *Simulium jenningsi* (Diptera: Simuliidae) within a river system: Aquatic habitat characteristics as predictors of black fly nuisance severity. Oral Presentation: Society of Freshwater Sciences Annual Conference.

Wilson, R. C., and W. O. Lamp. 2017. Mapping black fly nuisance swarms: Land use and meteorological correlates describe distribution patterns of *Simulium jenningsi* (Diptera: Simuliidae) in western Maryland. Oral Presentation: Entomological Society of America Eastern Branch Annual Meeting.

Wilson, R. C., and W. O. Lamp. 2017. Distribution patterns of *Simulium jenningsi* in Maryland: Recent progress and future plans. Oral Presentation: North American Black Fly Association Annual Meeting.

Wilson, R. C., and W. O. Lamp. 2016. Identifying the species and larval source of nuisance black flies (Diptera: Simuliidae) in western Maryland. Poster Presentation: University of Maryland AGNR Open House.

Wilson, R. C., and W. O. Lamp. 2016. Gnats, rivers, and people: A spatial and social analysis of black fly (Diptera: Simuliidae) nuisance swarms. Oral Presentation: International Congress of Entomology.

Wilson, R. C., and W. O. Lamp. 2016. Finding the spatial connection between productive larval habitats and adult nuisance swarms of the black fly *Simulium jenningsi* (Diptera: Simuliidae). Oral Presentation: Society of Freshwater Sciences Annual Conference.

Wilson, R. C., and W. O. Lamp. 2016. *Simulium jenningsi* in Maryland: Geographical analysis of a localized nuisance. Oral Presentation: North American Black Fly Association Annual Meeting.

Wilson, R. C., A. W. Leslie, E. Spadafora, J. Shaffer, and W. O. Lamp. 2015. Black flies from backyards: incorporating citizen derived data into the study of nuisance insect distribution. Oral Presentation: Society of Freshwater Sciences Annual Conference.

Wilson, R. C., A. W. Leslie, E. Spadafora, and W. O. Lamp. 2015. Distribution and nuisance patterns of *Simulium jenningsi* in western Maryland. Oral Presentation: North American Black Fly Association Annual Meeting.

Wilson, R. C., A. W. Leslie, E. Spadafora, W. O. Lamp. 2014. Citizen science meets biting pests: Determining the spatial pattern of nuisance black flies (Diptera: Simuliidae) in western Maryland. Oral Presentation: Entomological Society of America Annual Meeting.

Wilson, R. C., A. W. Leslie, E. Spadafora, W. O. Lamp. 2014. Citizen science meets stream insects: determination of the source of nuisance black flies (Diptera: Simuliidae) in Maryland. Poster Presentation: Joint Aquatic Sciences Meeting.

Wilson, R. C. 2012. Life Histories of *Edwardsina sp.* and *Andesiops ardua* from Navarino Island, Chile. Oral Presentation: University Scholars Day, University of North Texas.

Awards

University of Maryland, Department of Entomology Allen L. Steinhauer Award for Excellence in Teaching
Academic year of 2016 – 2017

University of Maryland, Department of Entomology Graduate Teaching Award
Academic year of 2016 – 2017

University of Maryland, Department of Entomology Graduate Teaching Award
Academic year of 2015 – 2016

Washington Biologist Field Club Research Award. “Distribution and identification of larval black flies within the Potomac River Basin.”
February 2015

University of Maryland Dean’s Fellowship Award
Academic year of 2013 – 2014

Outreach and Volunteer Experience

Website Coordinator, Fall 2013 – May 2018
www.mdblackfly.com

President, Fall 2016 – Spring 2017
Entomology Student Organization, University of Maryland

Treasurer, Fall 2014 – Spring 2015
Entomology Student Organization, University of Maryland

Expert Witness, May 2016
Testimony for Maryland State Senate Bill 876, Black Fly Management and Control

Volunteer, April 2018
Consortium of Aquatic Science Societies, USA Science and Engineering Festival, Washington, DC

Volunteer, April 2014 – 2018
“Discover a Swamp,” Maryland Day (annual open campus event), University of Maryland

Volunteer, June 2014 and 2016
“The World of Arthropods,” Howard County STEM Festival, Columbia, MD

Volunteer, May 2014
“Planet Invertebrata,” USA Science and Engineering Festival, Washington, DC