**Taylor G. Donaldson**

Texas A&M AgriLife Research – Department of Entomology

TAMU 2475 College Station, TX 77843-2475, USA

taylor.donaldson@ag.tamu.edu

**Education**

*PhD, Entomology*. Texas A&M University (TAMU), College Station, Texas. *Advisor:* Pete D. Teel. *Dissertation:* “Studies involving three species of ticks (Acari: Ixodidae) arising from an outbreak of equine piroplasmosis (*Theileria equi*) in south Texas.” (2012 – 2019).

*MS, Biology*. West Texas A&M University (WTAMU), Canyon, Texas. *Advisor:* W. David Sissom. *Thesis:* “The effect of moonlight and other abiotic factors on scorpion surface activity, their progression throughout the night, and natural history in Palo Duro Canyon.” (2009 – 2011).

*BS, Biology*. West Texas A&M University (WTAMU), Canyon, Texas. (2007 – 2009).

*AS, Biology*. Frank Phillips College, Borger, Texas. (2005 – 2007).

**Research, Laboratory, and Curatorial Experience**

*Assistant Research Scientist*. Tick Research Laboratory, Texas A&M AgriLife Research. (Oct. 2021 – present).

*Postdoctoral Research Associate*. Tick Research Laboratory, Texas A&M AgriLife Research. (May 2019 – Sep. 2021).

*Research Associate*. Tick Research Laboratory, Texas A&M AgriLife Research. (Jan. 2019 – Apr. 2019).

*Graduate Research Assistant*. Dept. of Entomology, TAMU (Aug. 2012 – Aug. 2013; Jan. 2015 – Aug. 2015).

*Volunteer*. Arthropod Identification & Databasing. Collection of Arachnids, Insects & Myriapods. WTAMU. (Oct. 2011 – Aug. 2012).

*Curatorial Assistant*. Collection of Arachnids, Insects & Myriapods. WTAMU. (Jun. 2011 – Aug. 2011).

*Field Assistant*. Ecuador Amblypygi Project. Tiputini Biodiversity Station. WTAMU. (Jul. 2010 – Aug. 2010).

*Laboratory Assistant*. Scorpion Tagging Project. (Oct. 2009 – May 2010).

*Laboratory Assistant*. Microbiology. WTAMU. (Jan. 2008 – Aug. 2008).

*Intern*. Research Experience for Undergraduates (REU). WTAMU. (May 2008 – Aug. 2008).

**Teaching Experience**

*Graduate Teaching Assistant*. TAMU. (Aug. 2013 – Dec. 2018).

Veterinary Entomology (Aug. 2013 – 2014; Aug. 2016 – Jan. 2017, & Aug. 2018 – Dec. 2018).

Medical Entomology (Aug. 2015 – May 2018).

*Part-time Instructor*. WTAMU. (Jan. 2012 – Jun. 2012).

 Basic & Contemporary Biology I

*Graduate Teaching Assistant*. WTAMU. (Aug. 2010 – Jun. 2011).

 Basic & Contemporary Biology I & II Laboratory

 Biology for Non-Science Majors I & II Laboratory

*Laboratory Instructor.* WTAMU. (Aug. 2008 – May 2010).

 Zoology

**Publications**

Bishop, A., H.H. Wang, **T.G. Donaldson**, E.E. Brockinton, E. Kothapalli, S. Clark, T. Vishwanath, T. Canales, K. Sreekumar, W.E. Grant, P.D. Teel. (2023). Tularemia cases increase in the USA from 2011 through 2019. Current Research in Parasitology & Vector-Borne Diseases 3:100116. <<https://doi.org/10.1016/j.crpvbd.2023.100116>>

Wang, H.H., W.E. Grant, **T.G. Donaldson**, P.D. Teel. (2022). Modeling effects of vertebrate exclosures and host-targeted acaricides on lone star tick (*Amblyomma americanum,* L.) infestations. Pathogens 11:1412 <<https://doi.org/10.3390/pathogens11121412>>

Bishop, A., J. Borski, H.H. Wang, **T. G. Donaldson**, A. Michalk, A. Montgomery, S. Heldman, M. Mogg, Z. Derouen, W.E. Grant, P.D. Teel. (2022). Increasing incidence of spotted fever group Rickettsioses in the United States, 2010 – 2018. Vector-Borne and Zoonotic Diseases 22:491 - 497. <<https://doi.org/10.1089/vbz.2022.0021>>

Dou, T., A. Ermolenkov, S.R. Hays, B.T. Rich, **T.G. Donaldson**, D. Thomas, P.D. Teel, D. Kurouski. (2022). Raman-based identification of tick species (Ixodidae) by spectroscopic analysis of their feces. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 271:120966. <<https://doi.org/10.1016/j.saa.2022.120966>>

Hays, S.R., **T.G. Donaldson**, B.T. Rich, M.R. Peterson, H.D. Starns, D.R. Tolleson, P.D. Teel. (2021). Integrated tick management: Using tick-host-landscape interactions for tick control in cattle grazing systems. 67th Annual Texas A&M Beef Cattle Short Course Proceedings.

**Donaldson, T.G.**, A. Eyres, H. Haefele, J.M. Packard, K. Snodgrass, D.A. White, D. A. Woodard. (2020). Species differences in exhibit use by antelope: Addax (*Addax nasomaculatus*) and sable (*Hippotragus niger*). Journal of Zoo and Aquarium Research 8:194 – 202. <<https://www.jzar.org/jzar/article/view/413>>

Armstrong, B.A., A. Kneubehl, A. Krishnavajhala, H.K. Wilder, W. Boyle, E. Wozniak, C. Phillips, K. Hollywood, K.O. Murray, **T.G. Donaldson**, P.D. Teel, K. Waldrup, J. E. Lopez. (2018). Seroprevalence for the tick-borne relapsing fever spirochete *Borrelia turicatae* among small and medium sized mammals of Texas. PLoS Neglected Tropical Diseases. 12:e0006877 <[https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0006877#](https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0006877)>

Sissom, W.D., M.R. Graham, **T.G. Donaldson**, R.W. Bryson, Jr. (2016). Two new *Vaejovis* C. L. Koch 1836 from highlands of the Sierra Madre Occidental Durango, Mexico (Scorpiones, Vaejovidae). Insecta Mundi 0447:1 – 14. <<http://digitalcommons.unl.edu/insectamundi/985/>>

**Donaldson, T.G**., A.A. Pérez de León, A.Y. Li, I. Castro-Arellano, E. Wozniak, W.K. Boyle, R. Hargrove, H.K. Wilder, H. Kim, P.D. Teel, J.E. Lopez. (2016). Assessment of the geographic distribution of *Ornithodoros turicata* (Argasidae): Climate variation and host diversity. PLoS Neglected Tropical Diseases. 10:e0004383. <<http://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0004383>>