

## Curriculum Vitae

Stephen M. Robertson  
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### Summary

I have extensive and dynamic experience as a researcher, educator, and leader. I set high standards and goals, strive to excel, and pride myself on performance quality. I am passionate about research and education and have a fascination of insects and their ecological relationships and importance.

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### Education

- University of Arkansas, Fayetteville, AR  
Ph.D., Entomology; May 2019 (current student)
- University of Arkansas at Little Rock, Little Rock, AR  
M.S., Biology; May 2015  
Thesis: Life History, oviposition patterns, and management of the Ozark Baltimore Checkerspot (*Euphydryas phaeton ozarkae*)
- University of Arkansas at Little Rock, Little Rock, AR  
B.S., Biology; December, 2010

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### Research Experience

- Primary Investigator: Nocturnal Pollinator
  - May 2016 – present
    - examination of the role of nocturnal pollinators (specifically Lepidoptera) in the pollination of fruit trees in agricultural systems
    - Project Partners: Dr. Neelandra Joshi, Dr. Erica Westerman
- Primary Investigator: Blue Vane Trap Augmentation
  - March 2016 – present
    - attempt to increase the efficiency of Blue Vane traps in the assessment of pollinators other than Hymenoptera while preserving the efficacy towards this group
- Primary Investigator: Native Pollinator
  - August 2015 – present
    - attempt to develop a cover crop that sustains prolonged pollinator persistence within fruit-agricultural systems while improving soil conditions for future crop land use
- Primary Investigator: Baltimore Checkerspot

- August 2011 – May 2015
    - to further the understanding of the endemic population of Baltimore Checkerspots in the Ozarks of Arkansas with consideration to current management techniques (particularly prescribed fire)
    - Advisor: Dr. William H. Baltosser
  - Research Assistant: Diana Fritillary
    - April 2011 – September 2012
      - a localized effort in the Terre Noire Natural Area to describe movement and oviposition patterns and the sexual temporal dimorphism of the Diana Fritillary
      - Primary Investigator: Dr. William H. Baltosser
  - Research Assistant: Lepidoptera surveys
    - March 2011 – June 2011
      - a statewide effort to identify the general distribution, spatial and temporal, of Lepidoptera species in Arkansas
      - included diurnal and nocturnal techniques (netting and blacklighting)
      - Primary Investigator: Dr. William H. Baltosser
  - Research Assistant: Prescribed Fires and Arthropods
    - June 2010 – December 2010
      - an effort to describe the short and long term effects of prescribed fires on arthropod density and diversity
      - included physiological experimentation concerning the robustness of arthropod response to temperature (critical max temperatures)
      - Primary Investigator: Dr. Robin Verble-Pearson
  - Research Assistant: Long-tailed Shrew
    - June 2008 – August 2008
      - an effort to locate and describe the habitat in which the Long-tailed Shrew (*Sorex dispar*) are located
      - Primary Investigator: Garrett Mikael
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## Awards

- Second place for “Oviposition host selection in the Ozark Baltimore Checkerspot” (oral presentation) at the 2015 Natural Areas Conference in Little Rock, AR
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## Publications

- Robertson, S. M. and W. H. Baltosser. 2016. The Ozark Baltimore Checkerspot, *Euphydryas phaeton ozarkae* (Nymphalidae): life history in northern Arkansas. Journal of Lepidopterists' Society.
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## Employment History

- Research Assistant and Graduate Fellow: University of Arkansas
- Temporary Employee: 4-H in Ferndale; University of Arkansas Agriculture Department Cooperative Extension
  - December 2013 – July 2014
    - 4<sup>th</sup>/5<sup>th</sup> grade SEEK – Young Biologists instructor
    - Camp Counselor: Excel, AOS, and Summer Camps

- Independent Study Instructor: University of Arkansas at Little Rock
    - June 2013
      - team construction, coordination, organization, and management
      - the instruction of field practices in ecological based science
  - Graduate Assistant: University of Arkansas at Little Rock
    - August 2011 – May 2013
      - the instruction of Undergraduate Laboratory courses
      - Introduction to Biology (Freshmen), Anatomy & Physiology I (Freshmen), and Zoology (Sophomore)
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### **Extracurricular**

- Student Representative for Bumper's College in the Graduate Dean's Student Advisory Board
    - August 2016 – present
  - Isely Baerg Entomology Club Vice President
    - May 2016 – May 2017
  - Organization and completion of the Woolsey Wet Prairie BioBlitz 2016
    - May 2016 – May 2017
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### **Personal References**

Dr. Ashley Dowling  
Professor of Entomology  
University of Arkansas  
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Dr. Robert Wiedenmann  
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Dr. Neelandra Joshi  
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Dr. William H. Baltosser  
Professor of Biology  
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Dr. Forrest E. Payne (GA Supervisor)  
Professor of Biology  
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