

# Noelle E. Thompson

## *Curriculum Vitae*

Boone and Crockett Quantitative Wildlife Center  
Michigan State University  
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### Education

#### Michigan State University (Aug 2017- Current)

**Doctor of Philosophy**, Fisheries and Wildlife

Research Advisors: Dr. William Porter, Dr. David Williams

Dissertation: *Factors Influencing White-tailed Deer Movement Behavior on a Gradient from Suburban to Rural Landscapes*

Cumulative GPA:

#### University of Illinois at Champaign-Urbana (Aug 2015- May 2017)

**Master of Science**, Animal Sciences

Research Advisors: Dr. Jan Novakofski, Dr. Nohra Mateus-Pinilla

Thesis: *Effects of White-tailed Deer Removal on Habitat Use and Spatial Clustering in Robert Allerton Park*

Cumulative GPA: 3.94

#### University of Illinois at Champaign-Urbana (2011- 2015)

**Bachelor of Science**, Animal Sciences

Minor: Business

Institutional Honors: Highest Honors

Cumulative GPA: 3.84

Major GPA: 4.0

### Awards and Honors

#### University of Illinois at Urbana-Champaign Activity

Spring 2016	List of Teachers Ranked as Excellent by their Students
2011- 2016	Dean's List
2011- 2016	Top 10% of UIUC Animal Sciences' Class
2012, 2013, 2014	American Society of Animal Science Scholastic Achievement Award
2011-2015	Renewable Freshman Recognition Scholarship, four year commitment
2011-2015	Cook County Farm Bureau Scholarship
2011-2015	National Society of Collegiate Scholars and Alpha Zeta Morrow Chapter

## Advanced Training

Global Wildlife Resources

August 2016

Wildlife Handling and Chemical Immobilization for Wildlife Professionals

## Research Experience

Graduate Research Assistant

**Dept. of Fisheries and Wildlife, [Boone and Crockett Quantitative Wildlife Center](#), MSU**

Dissertation: *Factors Influencing White-tailed Deer Movement Behavior on a Gradient from Suburban to Rural Landscapes*

**Illinois Natural History Survey, [Wildlife Disease Ecology Lab](#), UIUC** Aug 2015-May 2017

Thesis: *Effects of White-tailed Deer Removal on Habitat Use and Spatial Clustering in Robert Allerton Park*

Studied the effects of a deer removal program on white-tailed deer habitat use and spatial clustering in UIUC-owned Robert Allerton Park (RAP) through the use of spatial and statistical techniques. The aim of this study was to understand the effects of deer removal on local deer and utilize this information to form more effective deer management programs

Undergraduate Research Assistant

**Dept. of Animal Sciences, [Laboratory on Energy Metabolism](#), UIUC** Jan 2014-May 2015

Assisted in the investigation of how nutrients interact with the gastrointestinal tract to change overall physiology and behavior through changes in absorption and hormonal and neural signaling. Included assisting in immunohistochemistry techniques, surgeries, pre- and post-operational animal care

**Illinois Natural History Survey, [Wildlife Disease Ecology Lab](#), UIUC** Jan 2014-May 2015

Assisted researchers with sample preparation for genetic and epidemiologic research involving chronic wasting disease in white-tailed deer. Included taking tissue measurements, recording and entering data into data files, DNA extraction, polymerase chain reactions and gel electrophoresis

**Dept. of Animal Sciences, [Genomics Research Laboratory](#), UIUC** March 2014- May 2014

Assisted in the preparation and analysis of genetic material of diverse mammalian species to support conservation efforts. Included techniques such as polymerase chain reactions and gel electrophoresis

## Teaching Experience

Graduate Teaching Assistant, Dept. of Animal Sciences, UIUC

Jan 2016- May 2017

Animal Science 224- Animal Reproduction and Growth

## Internship Experience

USGS National Wildlife Health Center, Student Communications Intern *July 2016- Current*

Creating a fact sheet for snake fungal disease for the National Wildlife Health Center website. Fact sheets involve condensing current literature and research into a short flyer that is comprehensible to the public. Fact sheets inform the public on the basics of the disease, the advances that the NWHC and other groups have made on it, and what the public can do to avoid the disease or help minimize disease spread.

Memphis Zoo Conservation Research Department *May 2015- Aug 2015*  
Conservation and Biodiversity Intern

Researched the potential for using fecal near-infrared spectroscopy to distinguish between age and physiological status in African elephants. Used Grams IQ and JMP 9 software extensively to analyze processed and scanned samples. Participated in the research department's weekly meetings which included discussing topics on related research and addressing the team's research progress throughout the lab. Presented my research and findings to the team.

Champaign County Humane Society, Behavior Intern *Aug 2012- Dec 2012*

Performed dog and cat behavior evaluations, provided enrichment, worked with animals with behavioral needs and helped put safe pets back into the community

## International Experience

African Wildlife Discovery Study Tour to South Africa *Summer 2013*

Study of wildlife science and exotic species in South Africa. Study included: tracking and identification, observing hierarchical system, field observation of overpopulation effects, observing conservation efforts, and interactive visits to wildlife rehabilitation centers, zoos, sanctuaries, and game reserves.

Much focus was on the different conservation efforts occurring in the country today. Evaluated the effects of efforts such as rehabilitation centers that help reintroduce species into the wild, game reserves that provide various species as game in attempt to stop hunters from killing animals in the wild, and education through both zoo and neighborhood settings.

## Volunteer Work

Urban Coyote Research, Field work volunteer *Feb 2016- Current*

Assist with live-trapping, anesthetizing, radio-collaring, tracking, evaluating and collecting samples from coyotes and other mesopredators. Assist with locating natal dens, microchipping, weighing, and collecting samples from coyote pups.

Animals for Awareness, Wildlife educator and caretaker *May 2008- 2015*

Care for and handle numerous rescued exotic species. Assist and educate through community outreach programs and other similar programs.

## Posters and Presentations

### The Wildlife Society Illinois Chapter Meeting

- 2017 **Thompson NE**, Green ML, Griesbaum J, Beccue NJ, Ruiz MO, Mateus-Pinilla NE, Novakofski JE. White-tailed deer hunting and habitat use in Allerton Park. 2017 Midwest Ecology and Evolution Conference, Urbana-Champaign, Illinois. 18-19 March.
- 2016 **Thompson NE**, Green ML, Griesbaum J, Beccue NJ, Mateus-Pinilla NE, Novakofski JE. White-tailed deer hunting and habitat use in Allerton Park. 52<sup>nd</sup> Annual Meeting of the Illinois Chapter of The Wildlife Society, Makanda, Illinois. 10-12 April.
- 2015 Frisbie LA<sup>†</sup>, **Thompson NE<sup>†</sup>**, Anchor GC<sup>†</sup>, Brandt AL, Green ML, Shelton P, Mateus-Pinilla NE, Novakofski JE. Chronic wasting disease tissue sampling. 51<sup>st</sup> Annual Meeting of the Illinois Chapter of The Wildlife Society, Champaign, Illinois. 12-14 April.

## Conferences and Symposia

- 2015** 51<sup>st</sup> Annual Meeting of the Illinois Chapter of The Wildlife Society, Champaign, Illinois.
- 2016** 52<sup>nd</sup> Annual Meeting of the Illinois Chapter of The Wildlife Society, Makanda, Illinois.
- 2017** 2017 Midwest Ecology and Evolution Conference, Champaign, Illinois.  
The Wildlife Society 24<sup>th</sup> Annual Conference, Albuquerque, New Mexico

## Activities

Treasurer, Teachers 4 Creatures, 2011-2015

- Treasurer: Jan 2014-Jan 2015
- Collect and allocate club funds from various events and donations
- Help raise funds through different forms of fundraising

Treasurer, Illini Wildlife and Conservation Club, 2012-2015

- Treasurer: May 2014-May 2015
- Collect and allocate funds (Specifically for the World Wildlife Fund)
- Work out finances for club events
- Collect members' yearly dues

## Computer Skills

Proficient with Microsoft Word, Excel, PowerPoint, Access, ArcGIS, Grams IQ, JMP9, SAS 9.4, SigmaPlot, GeoDa

## Courses Taken

Public Speaking	Animal Shelter Management	Calculus for Business I
Principles of Composition	Applied Statistical Methods Statistical Methods	Microeconomics
Contemporary Issues in ACES	Population Genetics Companion Animal Cruelty Investigation	Microcomputer Applications
Intro to Natural Resources and Environmental Sciences	Conservation in the 21 <sup>st</sup> Century	Statistics
Introduction to Animal Sciences	Intro to Natural Resources and Environmental Sciences	Fundamentals of Accounting
Contemporary Animal Issues	Wild Animal Planet	Corporate Finance
Working with Farm Animals	Introductory Microbiology	Management & Organizational Behavior
World Animal Resources	Introductory Microbiology Lab	Principles of Marketing
Companion Animals in Society	Introductory Biochemistry	IT for Networked Organizations
Cells, Metabolism, and Genetics	Introductory Chemistry	Introduction to GIS
Anatomy and Physiology	General Chemistry I with lab	Wildlife Ecosystem Health
Animal Nutrition	General Chemistry II with lab	Genomics Technology Seminar
Animal Reproduction and Growth	Elementary Organic Chemistry I with lab	Mammalogy
Companion Animal Management	College Physics: Mech & Heat	Principles and Methods in Epidemiology
Animal Behavior	College Physics E&M & Modern	Parasitology/ Epidemiology Seminar
Zoo Animal Conservation		Health Applications in GIS

## References

Michelle L. Green, Ph.D

Visiting Research Assistant Professor  
University of Illinois, Department of Animal Sciences  
Wildlife Disease Ecology Lab  
Illinois Natural History Survey  
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Nohra E. Mateus-Pinilla, Ph.D, DVM

Wildlife Veterinary Epidemiologist & Associate Professor  
University of Illinois, Department of Animal Sciences and Veterinary Medicine  
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Jan E. Novakofski, Ph.D

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