

John L. Smith

5500 North St. Louis
Chicago, IL 60613

(773) 000-0000
smithjl@neu.edu

Education

University of Chicago, Chicago, IL, May 2020

Doctor of Philosophy in Biology, Area of Specialization: Ecology

Dissertation Mating patterns of the southeastern blueberry bee *Habropoda laboriosa*:

Implications for fecundity and survivorship

Research Fellow, Bee Research and Discovery Center, University of Minnesota, St. Paul, MN, Summer 2019

Research Advisors: Dr.

- Developed quantitative theory of hierarchical structure of *Apis mellifera* in ecological systems
- Analyzed how *Apis mellifera* communities reflect environmental heterogeneity
- Studied foraging behavior of over 25,000 *Apis mellifera* with short and long range movement in heterogeneous environments

Independent Researcher, Leipzig, Germany, Summer 2018

Research Advisor: Dr. Josef Lamberts

- Collaborated with researchers at the Helmholtz Centre for Environmental Research in Leipzig, Germany to study the decline in bee populations in Europe
- Analyzed how pollution and pesticides have affected bee population decline
- Submitted findings to ALARM (Assessing Large scale environmental Risks for biodiversity with tested Methods), the largest biodiversity research project in Europe
- Research fully funded through University of Chicago Richter Scholars Program

*Lead Researcher, Department of Biology, Northeastern Illinois University, Fall 2014
Spring 2016*

Research Advisor: Dr. James Franks

- Studied impact of avian predation on *Anolie* lizards in the eastern Caribbean and the importance of differences in spatial scale between prey and predators
- Analyzed spatial scale and environmental heterogeneity in predator-prey communities
- Determined through analytical and numerical data how species interactions can sharpen underlying environmental patterns and how heterogeneous environments can stabilize predator and prey populations

*Lead Researcher, Department of Biology, Northeastern Illinois University, Fall 2014
Spring 2015*

Research Advisor: Dr. Penelope Williams

- Measured erosion and sedimentation pollution in the Yadkin River
- Based on findings, made recommendations of ways to curb erosion and pollution in the river to Yadkin County Environmental Affairs Office

Other Experience

Teaching Assistant, Department of Biology, University of Chicago, Fall 2017 – Present

- Teach 45 students each semester in Introduction to Biology laboratory exercises
- Design weekly laboratory assignments to enhance and reiterate basic biological concepts introduced in class lectures
- Lead lectures in absence of professor, approximately two times each semester
- Assist in preparation and grading of mid-term and final examinations

Tutor, Learning Assistance Center, Northeastern Illinois University, Spring 2013 – Spring 2016

American Biological Society, Fall 2016 Present
Beta Beta Beta, Fall 2012 Present

Selected Honors, Awards, and Fellowships

Doctoral Student Full Tuition Scholarship, University of Chicago, 2016 2020
Research Fellowship, Bee Research and Discovery Center, University of Minnesota, 2019
Richter Scholarship, University of Chicago, 2018

References

Dr. James Franks
Associate Professor