

## Stephen E. Johnson

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### Education:

**Fordham University**, Bronx, NY May 2022  
*Ph.D. - Biological Sciences*

**Canisius College**, Buffalo, NY May 2016  
*B.S. – All College Honors, summa cum laude*

### Research Experience:

August 2016 – April 2022

**Fordham University**, Bronx, NY  
*Ph.D. Candidate, Biological Sciences - Dr. Steven J. Franks lab*

- Planned, conducted, & analyzed field & greenhouse experiments
- Mentored & trained undergraduate and high school students involved in the lab

**Canisius College**, Buffalo, NY August 2013 – May 2016  
*Research Assistant, Canisius Earning Excellence Program*

- Analyzed bird flight call recordings using Raven Pro Sound Analysis Software
- Assisted AIMS research station (bird banding station) on Appledore Island in Maine

**Blandy Experimental Farm**, Boyce, VA summer 2014  
*Research Fellow, University of Virginia Research Experience for Undergraduates Program*

- Developed and completed a research project along with mentor

### Teaching Experience:

**Fordham University**, Bronx, NY

- Coordinator for Introductory Biology Lab, fall 2019 – spring 2021
- Instructor for Introductory Biology Lab, fall 2020
- Teaching fellow for Introductory Biology Lab, fall 2017 – fall 2020

### Publications:

**Stephen Johnson**, Elena Hamann, and Steven J. Franks. Rapid-cycling *Brassica rapa* evolves even earlier flowering under experimental drought [manuscript accepted for publication].

**Stephen Johnson**, Elena Hamann, and Steven J. Franks. 2022. Rapid, parallel evolution of field mustard (*Brassica rapa*) under experimental drought. *Evolution* 76(2): 262-274.

**Presentations:**

*Rapid evolutionary responses of field mustard (Brassica rapa) under experimental drought.* **Stephen Johnson**. Dissertation defense, Fordham University, March 28, 2022.

*Rapid, parallel evolution of field mustard (Brassica rapa) under experimental drought.* **Stephen Johnson**, Elena Hamann, and Steven J. Franks. Evolution Conference, June 25, 2021.

*Evolution of field mustard in response to experimental drought.* Biology Graduate Student Associate meeting, April 17, 2019 and Calder Summer Undergraduate Research “Data & Dessert” session, July 17, 2019.

*Evolution of field mustard in response to experimental drought. Adderall Exemptions for ADHD in Major League Baseball: A New Way to Beat the Ban on Performance Enhancing Drugs.* Canisius College Fall 2015 Honors Thesis Defense Week.

*The Impact of Herbivore Regulation on the Competitive Outcome Between Ailanthus altissima and Robinia pseudoacacia.* Blandy Class of 2014 Research Forum.

**Posters:**

*The effects of experimental drought on rapid cycling Brassica rapa fast plants.* **Stephen Johnson** and Steven J. Franks. Presented at Evolution Conference, June 25, 2017.

*Are warblers more likely to respond to greater rates of flight calls?* **Stephen Johnson** and Sara Morris. Presented at Canisius College Ignatian Scholarship Day, April 16, 2016.

*The Impact of Herbivore Regulation on the Competitive Outcome between Ailanthus altissima and Robinia pseudoacacia.* **Stephen Johnson**, Zhe Bao, Erik Nilsen, and David Carr. Presented at Ecological Society of America annual meeting, August 13, 2015.

*How does varying flight call frequency affect flight call behavior in warblers?* **Stephen Johnson** and Sara Morris. Presented at Buffalo Ornithological Society Meeting, April 8, 2015; Canisius College Ignatian Scholarship Day, April 17, 2015; and Association of Field Ornithologists, Society of Canadian Ornithologists, and Wilson Ornithological Society joint annual meeting in Nova Scotia, July 17, 2015.

*Differential Responses of Warblers to Flight Calls.* Lauren Parker, Hannah Elsinghorst, Kaitlin Garrity, **Stephen Johnson**, and Sara Morris. Co-presented at Canisius College Ignatian Scholarship Day, April 11, 2014; presented at Wilson Ornithological Society meeting, May 31, 2014.

**Grants and Awards:**

- Fordham University Alumni Dissertation Fellowship, 2021-22 academic year
- W. D. Hamilton Award for Outstanding Graduate Student Presentation, 2021 finalist
- Fordham University Three Minute Thesis third place award winner, April 2020
- Fordham University Professional Development Grant, fall 2019
- Louis Calder Center Student Support Grant for research, 2018 and 2019
- Fordham GSAS Schering-Plough Endowed Fellowship, 2017 and 2019 academic years
- University Supplement, a Fordham GSAS distinguished award, 2016-18 academic years
- Canisius College John M. Kalb Senior Award for exemplary research, spring 2016
- Canisius Earning Excellence Program grant for avian research, 2013-16 academic years

**Laboratory & Language Skills:**

- Proficient with command line interface, R and Python programming languages
- Performed laboratory techniques successfully including DNA extractions, WGS Library prep, qPCR, and electrophoresis with agarose gels and the Agilent Bioanalyzer system
- Experience using GIS
- ILR Level 2 (Limited working proficiency) in Spanish

**Professional Memberships:**

- Society for the Study of Evolution March 2017 - present