

Josh Knecht

PHD STUDENT

Binghamton University, Department of Biological Sciences

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Education

PhD Studies in Biology

Binghamton University

Binghamton, NY

2021 - Present

BS in Plant Science

Cornell University

Ithaca, NY

2006 - 2010

Research Experience

PhD Student

Binghamton University, Department of Biological Sciences

Binghamton, NY

2021 - Present

Research Technician

Cornell University, Section of Plant Breeding and Genetics

Ithaca, NY

2018 - 2021

Undergraduate Research Assistant

Cornell University, Department of Entomology

Ithaca, NY

2007 - 2010

Invited Seminars

Graduate Research Excellence Grant Seminar Series

Are Seedling Phenotypes A Source of Reproductive Isolation in Early Divergent
Monkeyflowers?

*Society for the Study
of Evolution*

2024

Conference Talks

Evolution Conference

Heterosis Conceals Hybrid Incompatibilities Affecting Seedling Growth in Early Divergent
Monkeyflowers

Albuquerque, NM

2023

Teaching

Guest Lecture: Mechanisms of Evolution

Evolution and Maintenance of Sex

Binghamton University

Spring 2024

Guest Lecture: Genetics Lecture

Hardy-Weinberg Equilibrium

Binghamton University

Fall 2022

Graduate Teaching Assistant

Courses: Intro to Cell and Molecular Biology, Genetics Lecture, Genetics Lab, Mechanisms
of Evolution

Binghamton University

Fall 2021 - Present

Awards

Department of Biological Sciences Syzmanski Award

Travel award for students to present research at professional conferences

Binghamton University

2023

Graduate Research Excellence Grant-R.C. Lewontin Early Award

Awarded by the Society for the Study of Evolution to PhD students in their first two years of study

*Society for the Study
of Evolution*

2022

Service and Outreach

Co-founder and co-organizer of 'Hacky Hours'

Weekly meeting of Binghamton Biology graduate students to improve computational and statistical abilities

Binghamton University

2023 - Present

Junior Biologists Outreach Program

Guided middle school students through conduct and presentation of biological research

Binghamton, NY

2021 - 2023

Professional Development

Evolutionary Quantitative Genetics Workshop

Review of evolutionary quantitative genetic theory

*Friday Harbor
Laboratories (online)*

2022

Summer Institute In Statistical Genetics

Modules attended: Statistical Genetics, Bayesian Statistics for Genetics, and Association Mapping: GWAS and Sequencing Data

*University of
Washington (online)*

2022