

DeElegant Robinson

• drobinson7@wisc.edu

Education

University of Wisconsin-Madison **August 2015-Present**
PhD in Microbiology Doctoral Training Program

Northeastern Illinois University: Chicago, IL **May 2015**
Master of Science Degree in Biology
Thesis Title: Understanding the role of *tpr-1* in protein homeostasis and cellular protection

University of Illinois at Urbana-Champaign **May 2009**
Bachelor of Science Degree
Major: **Molecular and Cellular Biology** Minor: **Chemistry**

Research Experience

Gasch Laboratory Madison, WI **Jan 2016-Present**

- Examining natural variation in fitness consequences of gene overexpression in *S. cerevisiae*
- Analyzing genomic and transcriptomic datasets to exam differences across multiple genetic backgrounds
- Utilizing computational methods to conduct genomic and transcriptomic network analyses

Voisine Laboratory Chicago, IL **May 2013-May 2015**

- Developed an independent research on characterizing a gene, *tpr-1*, potentially involved in cellular protection using *C. elegans* as a model.
- Researched and analyzed gene expression using RT-PCR and gel electrophoresis.
- Observed the effects of gene knockdown on lifespan using RNAi.

Moose Laboratory Urbana, IL **May 2008-Jan 2010**

- Assisted with the planting, maintenance, and harvesting of genetically modified maize.
- Learned basic greenhouse practices through the planting of maize in the greenhouse.
- Enhanced laboratory techniques in molecular biology such as: DNA & RNA extraction, qPCR, and gel electrophoresis.
- Recorded genotypic information in a Microsoft Excel database on the genotypes of hundreds of maize lines.

Swanson Laboratory Urbana, IL **May 2007-Aug 2007**

- Conducted an independent research project on the quantification of intestinal bacteria in wild felids.
- Utilized qPCR to monitor levels of bacteria of felids in response to dietary changes.

Teaching Experience

University of Wisconsin-Madison
Teaching Assistant

Aug 2016-Dec 2016

- Prepared and led discussion sections for Genetics 466 (Principle of Genetics)
- Held weekly office hours to answer and discuss genetics concepts and problems with undergraduate students

Columbia College Chicago, IL
Upward Bound Program-Science Instructor

June 2015-Aug 2015

- Designed an eight week biology and chemistry curriculum for high school students
- Led class discussions and activities
- Supervised the class during lab experiments

Columbia College Chicago, IL
Upward Bound Program-Tutor

Feb 2014-May 2015

- Tutored high school students in core academic subjects.
- Served as a teaching assistant during science labs.
- Assisted with college essay personal statement writing.

Northeastern Illinois University Chicago, IL
TRIO Student Support Services-Tutor/Mentor

Aug 2012-Nov 2014

- Tutored undergraduates in the subjects of: genetics, cell biology, ecology, general chemistry, algebra, and statistics.
- Created and organized workshops on the topics of time management and study skills.
- Mentored college freshmen on adjusting college life.

Edison Middle School Champaign, IL
America Reads-America Counts-Tutor

Jan 2006-Jan 2007

- Tutored middle school students in reading and math.
- Provided test taking strategies for students taking the Illinois Standards Achievement Test (ISAT).

Awards and Honors

- Genomic Sciences Training Program Traineeship **Sept. 2017- Aug. 2020**
- Science and Medicine Graduate Research Scholars (SciMed GRS) **Fall 2015-Spring 2016**
- Northeastern Illinois Merit Tuition Scholarship **Fall 2014**
- TRIO Student Support Services Tutor of the Year **Fall 2013-Spring 2014**
- Northeastern Illinois Merit Tuition Scholarship **Fall 2013**

- McNair Scholars Program
- Sigma Alpha Lambda Honors Fraternity

Summer 2007
Fall 2006-Spring 2007

Community Service

University of Wisconsin Madison, WI
SciMed GRS Outreach Committee – Outreach Coordinator

Sep 2016 - Present

- Plans outreach events at local middle and high schools
- Engages underrepresented and low-income students in science through hands-on activities and demonstrations

University of Wisconsin Madison, WI
My Academy-Mentor

Fall 2015 – Fall 2016

- Served as a peer mentor for underclassmen in life sciences
- Provided academic and career advice during monthly meetings

Sennett Middle School Madison, WI
Centro Hispano Science Outreach

Fall 2015

- Prepared and led an activity on DNA extraction to 20 low income middle school students