

## ALEXANDRA CRUM

Plant and Microbial Biology Department • University of Minnesota  
St. Paul, MN 55108

### EDUCATION:

- 2019-present Ph.D student – Plant and Microbial Biology  
St. Paul, MN 55108
- 2019 M.S. – Biology, Grand Valley State University  
Allendale, MI 49401
- 2017 B.S. – Biochemistry and Biology, Minor: English, The College of Saint Scholastica  
Duluth, MN 55811

### RESEARCH EXPERIENCE:

- 2017-2019 “Phylogenetic relationships in the plant genus *Palisota* based on chloroplast and nuclear data.”,  
Master’s thesis, Tim Evans Lab, Grand Valley State University
- 2016 “Transcriptome data as a source of nuclear genes for phylogenetics in the plant genus *Aneilema*”,  
REU intern, Annis Water Resources Institute (Grand Valley State University), June-August

### ORAL PRESENTATIONS:

- 2016 Crum, A., T. Evans. Symposium for National Science Foundation Research Experience for Undergraduates Interns, Annis Water Resources Institute (Grand Valley State University), “Transcriptome Data as a Source of Nuclear Genes for Phylogenetics in the Plant Genus *Aneilema*”
- 2015 Crum, A., Nguyen, T. SEA-Phages symposium, HHMI Janelia Research Campus, “Genomic Analysis and Comparative Proteomics of Temperate Mycobacteriophages”
- 2015 Crum, A., Giermann, K. Earthfest, The Mesabi Range Permaculture Project, Mesabi Range Community College, Presented to the general public on the principles of permaculture, progress and goals of the Mesabi Range Permaculture Garden

### POSTER PRESENTATIONS:

- 2018 Crum, A., T. Evans, and R. Faden. Botanical Society of America Annual Meeting, Botanical Society of America/American Society of Plant Taxonomists, Rochester, MN, “Phylogenetic analysis of the genus *Palisota* (Commelinaceae) using chloroplast and nuclear regions.”
- 2015 Crum, A., Nguyen, T. SEA-Phages symposium, HHMI Janelia Research Campus, “Genomic Analysis and Comparative Proteomics of Temperate Mycobacteriophages”

### GRANTS/AWARDS:

- 2017 Presidential Research Grant, The Graduate School at Grand Valley State University.
- 2016 National Science Foundation Research Experience for Undergraduates Intern, Annis Water Resources Institute (Grand Valley State University)

### TEACHING EXPERIENCE:

- 2017-2019 Graduate Teaching Assistant, Biology Department at Grand Valley State University

2016-2017 Teaching Assistant, Chemistry Department at the College of Saint Scholastica

2014-2017 Tutor, Student Support Services at the College of Saint Scholastica (Lead Tutor, 2016-2017)

**FIELD EXPERIENCE:**

2019 United States Army Corps of Engineers Biodiversity Survey, Minnesota