

Email: manninon@msu.edu Phone: (734) 707-5384
2105 Copper Cove Dr. Pinckney, MI 48169

Nicole J Mannino Curriculum Vitae

EDUCATION

August 2012-Current Bachelor of Science: Biochemistry & Molecular Biology/Biotechnology from Michigan State University. East Lansing, MI

May 2012 Graduated from Pinckney Community High School

RESEARCH EXPERIENCE

January 2013-Current Undergraduate Research. Advisor: Federica Brandizzi. Michigan State University. East Lansing, MI

1. Worked on finding three Auxin lines that were crossed with RHD3 (Root Hair Defective3) to see the effect it created on the secretory membrane
2. Worked on finding five Actin lines crossed with a GTPase protein that affects the endoplasmic reticulum, to see what defects could occur within the cell and its cell wall digestibility due to the defects.
3. Work on finding T-DNA insertions to find knock-outs or knock-downs of specific genes

FELLOWSHIPS

June 2013- August 2013 Great Lakes Bioenergy Research Center Summer Experience for Undergraduates Advisor: Federica Brandizzi. Michigan State University. East Lansing, MI

TECHNICAL SKILLS

PCR techniques
Light microscopy
Agrobacterium Competent Cell
Western Blots

POSTERS

July 2012 2013 Mid-Michigan Symposium for Undergraduate Research Experience Michigan State University. East Lansing, MI
Highlighting the Role of RHD3/Actin Genes in Cell Wall Composition
Nicole Mannino, Giovanni Stefano, Federica Brandizzi

LEADERSHIP

September 2012-Current Residence Halls Association Rep
North American Indigenous Student Organization (NAISO)
Michigan State University. East Lansing, MI

January 2013-Nov. 2013 Closing Ceremonies Chair
Great Lakes Affiliate of College and University Residence Halls
Michigan State University. East Lansing, MI

September 2010-May 2012 Sound Crew Chief
Act2 Theatre Company
International Thespian Society-Troupe 4619

Pinckney Community High School

EXTRA-CURRICULARS

September 2011-May 2012 National Honors Society (NHS)
Pinckney Community High School

OTHER DUTIES

Dec. 2012-Jan. 2013 Lab Assistant in Federica Brandizzi's Lab

1. Maintain lab expenditure
2. Organize and keep lab clean
3. Take and write orders for the lab
4. Take care of biohazardous waste in the lab