



Undergraduate Researcher at Michigan State University. Research interests in genetics, molecular biology, and biochemistry. Experienced in lab techniques related to DNA, protein, bacteria, and mammalian cell lines.

Larissa Ford

Phone Number:

1-970-825-9525

Email:

fordlari@msu.edu

Date of Birth:

1999.09.09

Place of Birth:

Alexandra, New Zealand

Citizenship:

United States of America

New Zealand

Residence:

East Lansing, Michigan, USA

Skills

- Coding: Python
- Communications
 - Speech and debate: Public Forum Debate (2014-2017)
 - Grand Encampment Museum tour guide (Summer 2015 and 2016)

Languages

English – Native speaker

Spanish – B1

Awards

STARR Scholarship

- Competitive full-ride scholarship

Path-away Scholar

Professorial Assistantship (2018-2020)

Dean's List (2018-2020)

Research Experience

December 2019-November 2020

MSU iGEM (international Genetically Engineered Machines) Team

- East Lansing, Michigan
- Project Bee-Tox : Silver Medal
 - Design of Pro-biotic to breakdown imidacloprid in bee gut
- Genetic Engineering sub-team
- Mentor: Dr. Michaela TerAvest

August 2018-April 2020

Research Assistant at Michigan State University: Yu Lab

- East Lansing, Michigan
- Work with protein, DNA, E. Coli, and mouse cell lines
- Research: Mechanisms regulation of AID in class-switching
- Supervisor: Dr. Kefei Yu

June 18th-July 28th 2017

University of Wyoming: Summer Research Apprenticeship Program

- Laramie, Wyoming
- Research Project: Causes and trends of the Rocky Mountain bark beetle outbreak

Education

2018-Present

Michigan State University, Lyman Briggs College

- Major in Biochemistry and Molecular Biology (B.S)
- Minor in Computational Mathematics, Science, and Engineering
- Current GPA 3.99 (4.0 is highest)

Lab skills

Vector design, primer design, digestions, ligations, cloning, transformation, DNA extraction, DNA and protein purification, PCR, TBE-PAGE, SDS-PAGE, and agarose gel work and analysis, Western blot, sterile skills