

Sabrina Lynch

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Work Experience

Tulane University

New Orleans, Louisiana
(Spring 2012-Present)

Research Assistant

- Trained in the culture and maintenance of vascular endothelial and breast cancer cells
- Conducted research on the effects of inflammatory mediators on platelet adhesion to vascular endothelium and breast cancer cells

Tulane University

New Orleans, Louisiana
(Summer 2013-Present)

Research Assistant

- Participated in a summer REU at the Center for Computational Science at Tulane University
- Developed a model to simulate the motion of microorganisms swimming through viscoelastic media at the zero Reynold's number

University of New Hampshire

Durham, New Hampshire
(Summer 2011 and 2012)

Teaching Assistant

- Aided in the instruction of college-level classes to rising high school seniors in biotechnology and nanotechnology
- Attended all lectures and lab sessions while mentoring individual students on their poster projects

University of New Hampshire

Durham, New Hampshire
(Summer 2011 and 2012)

Research Assistant

- Maintained poplar cell, tomato, and carrot cell cultures
- Assisted with experimentation involving gene transfer between Arabidopsis and tobacco plants while helping to maintain and clean and sterile lab environment

Education

Tulane University (TU) • New Orleans, Louisiana

Bachelor of Science in Biomedical Engineering (May 2015)

Bachelor of Science in Mathematics (May 2015)

- GPA 3.923
- School of Science and Engineering Student Government-Historian and Treasurer (Fall 2011-Present)
- Science and Engineering Honor Society (Fall 2011-Present)
- Biomedical Engineering Society (Fall 2011-Present)
- Women in Science (Fall 2011-Present)
- Phi Eta Sigma Honors Fraternity (Spring 2011-Present)
- Society of Women Engineers (Fall 2012-Present)
- Phi Sigma Pi national Honors Fraternity-ICR Chair (Fall 2013-Present)
- Engineers Without Borders (Spring 2013-Present)

Honors and Awards

- Awarded an Independent Research Grant by Newcomb College Institute
- Distinguished Scholar Award and Scholarship
- Member of the Tulane Honors College
- Dean's List (Fall 2011-Present)

Professional Development

- Attended the 2012 Society of Women Engineers National Conference
- Sequenced and published the glyceraldehyde-3-phosphate dehydrogenase (GAPC) gene of *Myosotis scorpioides*

Technical Skills

Centrifuge/Microcentrifuge
Plant and Animal Cell Culture
Gel Electrophoresis

Hemocytometer
Nanodrop
Paper Chromatography

Spectrophotometer
PCR
Solid Works

Gene Gun
Spectrometer
MatLab

Light/Inverted Light Microscope
Micropipette
LoggerPro