

Olivia Macrorie



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Work Experience

- Lenny Shultz Laboratory, The Jackson Laboratory, Research Assistant I October 2016 – Present
- Genotyping and colony management of transgenic mouse strains.
 - *In vitro* assays on mouse tissue and blood.
 - Molecular cloning for development of new transgenic strain.
- Bernardo Sabatini Laboratory, Harvard Medical School, Neuroscience Intern July 2015 – December 2015
- Ran mouse behavior tests.
 - Built behavior rigs and electronics set-up.
- Sanofi, Model Development Intern July 2014 – December 2014
- Planned and executed three mouse models of peanut allergy.
 - *In vitro* assays on mouse blood and fluid samples.
 - Presented results at company poster session.
- Genzyme, Phage Display Intern July 2013 – December 2013
- Screened phage library Fabs (antibody fragments) against protein epitope.
 - Tested Fab candidates via phage ELISA.
- Northeastern University, Mathematics Tutor and Directed Study September 2012 – December 2014
- Tutored 5 students per week in calculus and/or differential equations.
- Northeastern University, PRISM Undergraduate Research Program August 2011
- Designed and executed small, team-based research project: Student heart rate correlated to test difficulty.
 - Presented preliminary results to a panel of Northeastern professors.

Education

- B.S. Biochemistry, Minor in Mathematics, Northeastern University September 2011 – May 2016
- Dean's List, Dean's Scholarship, TriBeta National Biological Honor Society
3.70 GPA / 3.69 Biochemstiry GPA / 3.80 Mathematics GPA

Software

Image J, GraphPad PRISM, Sequencher, FlowJo, MacVector, YASARA.

Lab Skills

PCR, Gel Electrophoresis, DNA Extraction, Flow Cytometry, Behavior Rig Set-Up, Arduino, Soldering, Confocal Microscopy, MesoPlex Cytokine Assay, Mouse Colony Management, Mouse Dosing (IP), Submandibular bleed, Peritoneal lavage tissue collection, Immunotube Phage Selections.

Interests and Hobbies

Improvisational Comedy, Hiking, Cooking.