

Peter Boone

EXPERIENCE

Duke University, Durham NC - *Research Analyst*

MARCH 2018 - PRESENT

- Train new users on a Zeiss 880 confocal microscope, troubleshoot imaging problems
- Process and quantify large confocal image datasets using ImageJ and Python
- Analyze single cell sequencing data with Scanpy (Python package)
- Oversee mouse colony management and optimize genotyping protocols

Duke University, Durham NC - *Research Technician II*

JULY 2015 - MARCH 2018

- Cloned 25+ plasmids using restriction digest, Gateway, and In-Fusion techniques
- Mouse husbandry and genotyping of a colony of 30 lines
- NGS and Sanger sequencing, necropsy, tissue processing, and immunohistochemistry
- Conducted locomotor experiments to study Ghrelin sensitization in mice

Grove City College, Grove City PA - *Undergraduate Research*

SEP 2013 - MAY 2015

- Identified regulatory elements in the Bacillus anthracis heme-sensing system

Interface Solutions, Lancaster PA - *Lab Technician*

Summer 2013, Summer 2014

- Performed audit testing of gasket materials, contributed to new product R&D

Choroideremia Research Foundation - *Volunteer Science Advisor*

APRIL 2017 - PRESENT

- Advise the foundation on current research and funding opportunities towards a cure
- Attended the ARVO annual conference in 2017 and 2018 as a patient expert

EDUCATION

Grove City College, Grove City PA - *B.S. Molecular Biology*

AUGUST 2011 - MAY 2015

- 3.46 Major related GPA

PUBLICATION

Ghrelin receptor antagonism of hyperlocomotion in cocaine-sensitized mice requires β arrestin-2 Synapse. 2018 Jan; 72(1): 10.1002/syn.22012