
ALEXANDER APPLGATE

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Education

Grove City College Grove City, PA, BS Biology Pre-Health 8/2016-8/2020
Universitetet i Oslo Oslo, Norway, Biology (Study abroad) 8/2018-12/2018

Research

Grove City College 1/2018-5/2019

Undergraduate research - *Peculiar Tactile Behavior Noted In Slave Maker Guard Ants*
Supervisor: Stephen Jenkins PhD

- Analyzed footage of two species of slavemaker ants, *Formica subintegra* and *Formica pergandei*.
- Observed unusual behaviors involving gaster lifts and rocking movements, and guard behaviors.
- Logged the frequencies of these behaviors by ant across all of the video footage into Excel to gain further insight into their function.

Presentation

Poster

- Presented at Grove City College Family Weekend Research Conference

University of Colorado 6/2019-Present

RNA Bioscience Initiative Summer Internship Program
Mentor: Sujatha Jagannathan PhD

- Conduct novel research related to facioscapulohumeral muscular dystrophy (FSHD) over the summer.
- Participate in weekly lunch seminars detailing research findings.
- Present research results at end of internship

Work Experience

Teaching assistant, Grove City College 1/2019-5/2019

- General Biology II (Biol 102) & Cell Biology (BIOL 234)

Volunteer Worker, Winchester Medical Center 6/2018-8/2018

- Called patients three or six months after surgery to follow up on their recovery.
- Compiled, averaged, and compared patient information to national averages.

Relevant Skills

Lab methods used:

- Gel Electrophoresis
- SDS PAGE
- DNA isolation and purification
- PCR
- Western Blotting

Related skills:

- Running anhydrous reactions
- Chimera, Gaussian, Logger Pro

Awards & Honors

Dean's List with Honors, Grove City College

5/2019

Tri-Beta Honor Society, Vice President

5/2019-Present