

Brent Shassberger

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A highly responsible, organized, and teachable individual with a passion for Microbiology and Immunology.

EDUCATION

University of Miami

Bachelor of Science in Microbiology and Immunology

GPA: 3.6 / 4.0 | Honors: President's Scholarship, Dean's List Recipient

**Coral Gables,
Florida**

2019-2022

Case Western Reserve University

Master of Science in Pathology

GPA: 4.0 / 4.0

**Cleveland,
Ohio**

Jan 2023 -
Present

WORK EXPERIENCE

Case Western Reserve University. Department of Pathology

Masters Research Lab Technician in Laboratory of Dr. Anna Bruchez

- Individually managed and expanded a project to investigate correlations between CLCN3 isoforms and the prevention of Ebola Virus lysosomal escape in HeLa cells
- Developed and modified protocols for lentiviral cloning to increase transformation efficiency and purity
- Gained proficiency in tissue culturing, flow cytometry, lentiviral production and transduction, and infection assays utilizing pseudotyped lentivirus

**Cleveland,
Ohio**

May 2023 -
Present

University of Miami Department of Microbiology and Immunology

Introductory Lab Teaching Assistant

- Taught a class of 31 students lab techniques, proper equipment use, and bacterial identification tests
- Evaluated student progression by creating, administering, and grading weekly quizzes and exams
- Managed daily supplies to ensure each class was properly equipped
- Developed and delivered lectures twice a week that covered common experimental techniques and the fundamental science behind them

**Coral Gables,
Florida**

Aug 2022 -
Dec 2022

University of Miami Interlibrary Loans

Head Student

- Managed intake and outgoing of library books for University of Miami
- Trained and oversaw a small team of students who were able to knowledgeably assist in the shipping and receiving of books
- Developed a new standard procedure for shipping which was soon adopted into practice at the library

**Coral Gables,
Florida**

Sept 2019 -
Dec 2022

RELEVANT COURSEWORK

Howard Hughes Medical Institute Laboratory Classes

Group Leader

- Created a novel Tyrosinase inhibitory and studied its effects in *C. elegans*
- Studied the effects of Paclitaxel on Zebrafish Embryos
- Created Carbon Nanoparticles from orange juice and attempted to produce cosmetic applications

**University of
Miami**

Aug 2019 -
May 2020

Special Projects in Immunobiology

- Contributed to a PhD student's thesis that studied the interactions between Regulatory T Cells and Gastric Cancer
- Regularly performed mouse genotyping, dissection and sample collection, and mouse colony management
- Gained proficiency managing a mouse colony and end-of-life mouse dissection

**University of
Miami**

Aug 2022 -
Dec 2022

SKILLS AND CERTIFICATIONS

Languages: Conversationally Proficient in Spanish

Skills: Proficient in Microsoft Office, Proficient in Google Suite

Certifications: (CitiProgram) Working with Mice in Research, Aseptic Surgery, Reducing Pain and Distress in Mice and Rats, Working with the IACUC