**Gissel Marquez**

(623)-707-9844 | gvmarqu1@asu.edu | Phoenix, Az

**Education**

**2026** PhD in Evolutionary Biology

*Arizona State University*

**2021** BA in Biological Sciences

Minors: Applied Ethics/Bioethics

*Arizona State University*

**2016** EMT-B

*Estrella Mountain Community College*

* Captain of the class and during emergency scenarios

**Experience**

**Aug 2021- Teaching Assistant,** *Arizona State University*

**Dec 2021** Course: BIO 345: Evolutionary Biology

* Independently created lessons and taught approximately 345 students
* Created exciting and engaging presentations about evolutionary concepts that were shown in class
* Graded student work and provided detailed and constructive feedback
* Regularly help office hours to provide tutoring and help to students
* Conducted review sessions before exams to help students succeed

**July 2018- Research Assistant,** Cooperation and Conflict Lab, *Arizona State University*,

**Present** Supervisor: Athena Aktipis

* Ran the entire wet lab and independently ran several experiments
* Studied Kombucha to test different brewing techniques and observe its immune response under different invasions.
* Maintained the lab’s Kombucha by brewing routinely and removing excess SCOBY and debris.
* Ordered supplies and managed inventory
* Ensured that the wet lab is complying with university regulations - obtain annual safety certifications
* Mentored undergraduate students who worked on Kombucha
* Participated in outreach events to discuss the lab’s findings and educate others on what kombucha is.
* Created IBC and IRB documents for new experiments

**Aug 2021- Research Assistant,** Arizona Cancer Evolution Center, *Arizona State University*,

**Present** Supervisor: Carlo Maley

* Conducted extensive research for the purpose of writing a systematic review describing correlations between cancer and the microbiome
* Taught children about science and research at public outreach events
* Designed detailed experiments studying how the microbiome affects cancer
* Wrote a grant for the National Cancer Institute to fund current graduate research in the Maley Lab

**Events and Outreach**

**Oct 2019 Meet a Scientist Day,** *Arizona Museum of Natural History*

**Feb 2020 Open Door,** *Arizona State University*

**Feb 2022 I Love Science Day,** *Arizona Museum of Natural History*

**Feb 2022 Chandler Innovation Fair,** *Chandler Unified School District*

**Leadership**

**Jan 2016 –**

**May 2016**

**EMT Course Engine Captain,** *Estrella Mountain Community College*

* Led during emergency scenarios to ensure the team was performing well and the patient was receiving excellent care
* Recorded incident details to file accurate and competent reports
* Memorized multiple codes and procedures to use during emergencies

**May 2021- Graduate Mentor,** Cooperation and Conflict Lab, *Arizona State University*,

**Present** Supervisor: Athena Aktipis

* Guided undergraduate students in experiment planning and conducting
* Taught students about research and conducting literature reviews
* Interviewed and hired students to mentor in a wet lab studying cooperative interactions withing the beverage kombucha

**Awards**

**Dec 2021 NCI Diversity Award,** *National Cancer Institute*