

Curriculum Vitae

Education Background

- Aug. 2024-Dec. 2025 Texas A&M University San Antonio
Master of Science in Biology | Thesis Track
Committee Chair: Dr. Megan Wise de Valdez
4.0 GPA | Dean's List
- Aug. 2020-Dec. 2023 Texas A&M University San Antonio
Bachelor of Arts in Biology | Minor in Chemistry
3.6 GPA | *Cum Laude* | Dean's List
- Aug. 2017-Jun. 2020 Northwest Vista College
Non-degree seeking student
3.5 GPA
- Aug. 2016-Jun. 2020 NISD Health Careers High School
Diploma | STEM Endorsement
3.9 GPA | *Magna Cum Laude* | Class Rank 26

Research Experience

- Mar. 2025-Present Graduate Research and Development Internship | Southwest Research Institute, Division 01 Chemistry and Chemical Engineering, Pharmacology and Bioengineering Department | Principal Investigator: Dr. Kristin Favela
- Jan. 2024- Dec. 2025 Graduate Research Experience | Texas A&M University-San Antonio | Principal Investigator: Megan Wise de Valdez
- Jun. 2023- Dec. 2025 Mosquito Identification | MetroHealth San Antonio | Principal Investigator: Megan Wise de Valdez
- Mar. 2023-Dec. 2023 Undergraduate Research Experience | Texas A&M University-San Antonio | Principal Investigator: Megan Wise de Valdez

Advanced Skills

- PCR
- DNA extraction
- Sterile plating
- Advanced light microscopy
- Entomological identification
- Gel electrophoresis
- Gram staining
- BSL 2 lab training
- Biohazard handling training
- Scientific writing
- Artificial Intelligence
- R Studio programming
- Microsoft Excel
- ArcGIS and QGIS
- Solid phase and liquid-liquid extraction
- Titration
- Distillation
- Crystallization
- High performance liquid chromatography
- Thin layer chromatography
- Two-dimensional gas chromatography
- High resolution mass spectrometry
- Time of flight mass spectrometry
- Chemical hygiene training
- Laboratory management software training

Grants, Scholarships, & Recognitions

Grants

- 2025 Laboratory Research Grant | Texas A&M University-San Antonio
- 2024 Student Research Grant | Southwestern Association of Parasitologists

Scholarships

- 2024 Graduate Merit Scholarship | Texas A&M University-San Antonio
- 2024 Teaching Assistantship | Texas A&M University-San Antonio
- 2025 Teaching Assistantship | Texas A&M University-San Antonio

Recognitions

- 2024 Finalist 3MT | Texas A&M University-San Antonio
- 2025 Finalist Student Research Symposium | Texas A&M University-San Antonio

Presentations

- Apr. 2024 3-Minute Thesis | Texas A&M University-San Antonio
- Apr. 2025 Student Research Presentation | Southwestern Association of Parasitologists
- Apr. 2025 Student Research Symposium | Texas A&M University-San Antonio
- Oct. 2025 Student Research Presentation | Texas Mosquito Control Association
- Oct. 2025 Poster | American Society for Mass Spectrometry-Asilomar Conference
- Nov. 2025 JagTalk | Texas A&M University-San Antonio

Invited Talks

Dec. 2025 Water Ambassador Meeting Speaker | National 4-H Council

Professional Development

Sept. 2024-Present Teaching Assistant | Texas A&M University-San Antonio

Fall 2024 General Biology I Lab | Instructor of Record: Marie Tipps

Spring 2025 Invertebrate Zoology Lab | Instructor of Record: Megan
Wise de Valdez

Fall 2025 General Biology I Lab | Instructor of Record: Marie Tipps

Parasitology Lab | Instructor of Record: Megan Wise de
Valdez

Aug. 2021-Mar. 2025 AVID Tutor | NEISD Churchill High School

Community Service

2016-Present Clinic Coordinator, Event Supervisor, Foster | God's Dogs Rescue

2023-2025 Science Olympiad | Texas A&M University-San Antonio

2019-2023 Community Volunteer | Parkwood Children's Swim League