

Diego Iglesias

diglesias505@gmail.com

Curriculum Vitae

Education

New Mexico State University – Las Cruces, NM

BS Biology

Expected: May 2027

BS Microbiology

Expected: May 2027

El Paso Community College – El Paso, TX

AA Multidisciplinary Studies

Obtained: May 2024

Research Experience

Undergraduate Research Assistant – New Mexico State University

Current

Tick Identification and Tick-Borne Pathogen Surveillance

Conduct surveillance of *R. sanguineus* to investigate the prevalence of *Rickettsia rickettsii* in western New Mexico by performing specimen identification, laboratory processing, and data collection to support ongoing vector-borne disease research, New Mexico State University, advisor Dr. Kathryn Hanley.

Relevant Skills

Laboratory

PCR and gel electrophoresis
DNA extraction
Light microscopy

Field

Tick collection and drag netting
Species identification of tick

Work Experience

Biology Department Student Aide – New Mexico State University

2025 - Current

Student Aide (BioCAT) 2025-Current

- Provided one-on-one academic support in Principles of Biology: Biodiversity, Ecology, and Evolution, study strategies, and supplemental learning resources.
- Helped improve student understanding through tutoring and academic mentoring via office hours held throughout the school year.

Presentations and Projects

Gene Counts Honors Project

Fall 2025

- Organized fungal protein datasets for use in an academic research publication.
- Assisted with data organization and preparation to support ongoing biological research.

Vaccine Misinformation Honors Presentation

Spring 2026

- Developed and presented an educational presentation addressing vaccine misinformation.
- Organized scientific literature into an accessible presentation for undergraduate peers.

Leadership Experience

Parliamentarian & Treasurer

August 2025 – Present

NMSU Pre-Medical Club

- Represent the Pre-Medical Club in student body government regarding student club funding.
- Coordinate fundraising initiatives to support club activities.
- Plan and coordinate club events and volunteer opportunities.
- Contribute to executive leadership decisions and strategic planning.

References

Avis James, Ph.D.

College Professor, Faculty Advisor

New Mexico State University

avis@nmsu.edu

Relationship: Supervisor

Kathryn Hanley, Ph.D.

Regents Professor, Virus Evolutionary Ecology

New Mexico State University

khanley@nmsu.edu

Relationship: Advisor

Ryan Marcheschi, Ph.D.

College Assistant Professor

New Mexico State University

rmarches@nmsu.edu

Relationship: Club Sponsor