

Andrés Calavia

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EXPERIENCE

University of Florida, Gainesville, FL — Research Lab

August 2024 - Present

Part of the “Longo Lab” supervised by Ana V. Longo where we research on amphibian disease ecology and species interactions.

My research project leveraging cutting-edge nanopore sequencing technology to identify the species of *Carios* ticks and explore their potential connection to human disease transmission.

Learn more: <https://thelongolab.com/people/>

Gators for Refugee Medical Relief, Gainesville, FL — Tutor

August 2024 - Present

I tutor child refugees based on their academic needs.

Hospital Santa Barbara, Soria, Spain — Anesthesia Shadowing

June 2024 - July 2024

Shadowed an anesthesiologist for sixty hours at my local hospital in Soria, Spain where I was born.

Attended various surgeries including but not limited to prostate cancer, hernias, colon cancer, and colonoscopies

Alzheimer Soria, Soria, Spain — Instructor & Volunteer

June 2024 - July 2024

I provided companionship to patients through engaging conversations and memory-stimulating activities, such as recalling family members' names or significant dates.

On Wednesdays and Fridays, I assisted in teaching patients how to play ping pong, an activity proven to enhance physical fitness, sharpen cognitive abilities, and contribute to their overall well-being.

SKILLS

Nanopore Sequencing
PCR and DNA sequencing
Time management
Guest services
Data entry

LANGUAGES

English
Spanish

Fundación Escuela Teresiana, Soria, Spain — Director Assistant

June 2022 - July 2022

Helped in organizing a summer camp in Spain, in my hometown Soria, for newly arrived immigrant kids from Morocco, Romania, Nigeria and other third world countries.

Doral Academy Preparatory, Gainesville, FL — Research Lab

June 2020 - June 2022

We explored the effects of buckminsterfullerene, C60, on the longevity of mice in combination with organic-based oils of different health.

EDUCATION

University of Florida, Gainesville, FL — Biology

August 2023 - Present

Majoring in Biology. Specializing in Preprofessional Biology.

Doral Academy Preparatory, Miami, FL — High School

August 2019- June 2023

High school

Summa Cum Laude, 551 students.

PROJECTS

Ticks, UF — “Investigating Carios Ticks and Rickettsia in Puerto Rico: Implications for Public Health”

I propose to leverage cutting-edge nanopore sequencing technology to identify the species of *Carios* ticks from Puerto Rico and explore presence of pathogenic *Rickettsia* strains that would highlight the public health importance of monitoring tick populations in this region.