

## Contact

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## Top Skills

Science  
Project Management  
K-12 Education

## Languages

Spanish (Full Professional)  
English (Full Professional)

## Certifications

Ciencias de Computación  
Digital Marketing  
Globally Harmonized System (GHS)  
Hazardous Materials Transportation  
(HAZMAT)  
Hazard Communication Standard  
(HAZCOM)

## Honors-Awards

Research Initiative for Scientific  
Enhancement (RISE) Program  
Beca Fundación Ángel Ramos

# Elvin Joel Estrada-Garcia, MSc

Biologist , Science Education, Nature Photographer , AI Curious .  
Equipo Ciencia Puerto Rico  
Yauco, Puerto Rico

## Summary

I am a biologist specializing in STEM education and have a track record of successfully leading educational projects in science. As a scientist, educator, and advocate for non-profit organizations, I am deeply committed to fostering collaborations and connections between scientists, educators, and students in Puerto Rico. I have extensive experience coordinating and supporting educational science initiatives that prioritize diversity, equity, and inclusion, and I am passionate about leveraging my expertise to help empower underserved communities.

## Experience

### Ciencia Puerto Rico

9 years 3 months

#### Senior Program Coordinator

March 2023 - Present (1 month)

Fundación Banco Popular

Under the supervision of the director of the Science Education Program, the Senior Program Coordinator – Educator Resources is responsible for coordinating the outreach, content and support efforts for STEM educators who receive resources and/or training developed by CienciaPR and/or its collaborators. The coordinator is also in charge of the “Científicos al Servicio” (Scientists in Service) initiative, a series of educational presentations by STEM professionals for educators and students.

#### Science Education Program Coordinator

March 2018 - March 2023 (5 years 1 month)

Fundación Banco Popular

#### Education Program Coordinator Duties and Responsibilities:

- Develop short and long-range educational program plans.
- Plan the scheduling of events and delivery of services to achieve program goals.

- Collect data and/or conduct surveys on all areas of program activities for evaluation of program effectiveness.
- Provide direct liaison with educational personnel associated with secondary and/or primary schools, state and community agencies, to develop program linkages, support and referral systems.
- Provide counsel to faculty, staff and students on policies, procedures and services.
- Develop, design, write and edit brochures, reports and other educational materials for publication and distribution.
- Develop and establish policies/procedures for implementation as applicable to the program.
- Organize and/or attend seminars and workshops.
- Supervise, train, evaluate, schedule work and determine priorities for assigned personnel.
- Collect data for program progress and/or statistical reports for concerned college/university administrators, counselors and/or faculty.

#### Social Media Coordinator

January 2014 - February 2018 (4 years 2 months)

Puerto Rico

To create effective post and share science news, science job and career opportunity, and scientific events on Ciencia Puerto Rico social network.

- Administrate the creation and publishing of relevant, original, high-quality content.
- Create a regular publishing schedule.
- Promote content through social advertising.
- Develop relevant content topics to reach the organization target customers.
- Create, curate, and manage all published content (image, video and written).
- Monitor, listen and respond to users in a social way.
- Design, create and manage promotions and Social ad campaigns.
- Compile reports for management showing results (ROI).
- Measure and track effectiveness of various marketing medium.
- Distribute blog post, social media (LinkedIn, Facebook and Twitter), news release to media outlets.

#### Desde el Sur Podcast

Podcaster

September 2020 - Present (2 years 7 months)

Penuelas, Puerto Rico

Podcast de análisis y comentario de actualidad con un toque comunitario, crítico y educativo.

## Freelance

### Freelance Photographer and Digital Marketing

January 2019 - Present (4 years 3 months)

Puerto Rico

We offer high-quality photography to promote your business.

We provide social media management services.

Capture and edit visual content for multiple platforms.

Produce photography in various methods, including printed/digital media.

Perform retouching and image adjustments after shoots.

## Center For Disease Control and Prevention

### Biologist

June 2016 - September 2017 (1 year 4 months)

San Juan, Pr, Puerto Rico

- a.) Direct field technicians in their day-to-day vector surveillance activities.
- b.) Conduct field work to capture mosquitoes and study mosquito insecticide resistance.
- c.) Conduct insecticide resistance assays in mosquitos collected from different locations in Puerto Rico.
- d.) Conduct biochemical and molecular tests to determine insecticide resistance mechanisms in mosquitoes.
- e.) Organizes specimens and databases. Participates in data analysis using basic statistical techniques
- f.) Collaborates with field investigation on the control of mosquito vectors of arboviruses.
- g.) Assists in the interpretation of results obtained from the use of standard instruments, procedures, or techniques. Analyzes results and prepares technical reports.
- h.) Participates in the planning, executing, and supervising laboratory and field experiments on the ecology, surveillance, and control of mosquito vectors of arboviruses.
- I.) Quality Control and Quality Assurance
- J.) Data Entry

## Federal TRIO Programs

### Biology Teacher

August 2014 - June 2015 (11 months)

We are helping students break down Biology course material for better understanding and retention, empowering students with scientific skills.

- Academic tutoring in biology, environmental science, genetics, molecular biology, microbiology, and biotechnology may include instruction in reading, writing, study skills, mathematics, and science for under-resourced undergraduate students.
- Individualized counseling for personal, career, and academic information, activities, and instruction designed to acquaint students with career options.
- Provide opportunities for academic development, assist students with basic college requirements, and motivate students toward completing their postsecondary education Prepare reports and presentations of results and goal achievements.
- Prepare reports and presentations of results and goal achievements.

## Pontifical Catholic University of Puerto Rico

### Graduate Research Assistant

January 2014 - August 2014 (8 months)

Centro de Investigación Científica Padre Tosello Giagiacomio

Having a particular interest in the mystery world of Neuroscience, our work titled: "Characterization and localization of mGluR group 1 in Adult Zebrafish Brain tissue" aims the characterization of Metabotropic Receptor in Zebrafish and to study the zebrafish research model impact on Translational Medicine.

As a Graduate Research Assistant, I'm primarily responsible for the general, daily running of the research project. I searched the literature for information about experimental tasks, designing test materials, collecting data, entering data, or running data analysis.

- Perform laboratory equipment daily calibrations and verifications for pH meters, Analytical Balance, and HPLC.
- Work with Hazardous Compounds and Chemicals in compliance with Safety Regulations and following SDS guidelines.
- Perform inspection and request the reagents, buffers, and supplies inventory required for the Laboratory.
- Knowledge of IACUC protocols and practice.
- Monthly reports about the results and goals progress.

- Maintenance and cleaning of Zebrafish (Danio rerio) tank fish.
- Perform dissection protocol for the examination of the Zebrafish brain.
- Prepare reports and presentations of results and goal achievements.

For other information about the research or me, please email me at [elvin.estrada1@gmail.com](mailto:elvin.estrada1@gmail.com)!

All the best!

## Ponce School of Medicine

Microbiology Research Technician- Professional Services Contracts  
March 2010 - August 2011 (1 year 6 months)

Ponce

After earning a solid academic foundation on the basic principles involved in tumorigenesis, I decided to search for an opportunity to do volunteer work at the Ponce School of Medicine. That opportunity arrived in November 2008 under the supervision of Dr. Idhaliz Flores; I began the pursuit of my research career. I honed my laboratory skills in various molecular biology techniques, in vivo work, and minor animal surgery. After two years of volunteer work, I had my project titled: "Role of HDAC3 in the Pathophysiology of Endometriosis" under the NIDDK program (STEP UP 2009). I traveled to Los Angeles, California, to do a poster and oral presentation, where I got an excellent evaluation. After this incredible experience, I was contracted as a research technician in the Endometriosis Disease laboratory at Ponce School of Puerto Rico for eight months. My project was titled: "Expression of the Cell Cycle Regulator GDF11 is Downregulated in Endometriosis" and presented at the Society of Gynecological Investigation (SGI 2010). I worked with advanced research techniques during this two-year research project, such as Real-Time Polymerase Chain Reaction, Immunohistochemistry, western blot, tissue culture, and tissue microarray. I gained further insight into the pathways and epigenetics associated with tumor progression. On the other hand, as a Research technician, I helped and was part of the three Graduated Student thesis projects, working directly with your experiment and science techniques.

## Interamerican University

Biology and Microbiology Lab Assistant  
August 2010 - May 2011 (10 months)

Ponce, Pr, Puerto Rico

Federal Work-Study (FWS) Program

Interamerican University  
Professor Assistant- Microbiology  
August 2009 - May 2010 (10 months)  
Ponce, Pr, Puerto Rico

Professor Assistanship Grants Program

National Institute of Diabetes and Digestive and Kidney Diseases  
(NIDDK)

Undergraduate STEP-UP Program  
May 2009 - August 2009 (4 months)  
Ponce School of Medicine

The STEP-UP Program provides hands-on summer research experience for high school and undergraduate students interested in exploring research careers. The overall goal of STEP-UP is to build and sustain a biomedical, behavioral, clinical, and social science research pipeline focused on NIDDK's core mission areas of diabetes, endocrinology, and metabolic diseases; digestive diseases and nutrition; kidney, urologic and hematologic diseases.

Interamerican University  
Chemistry Lab Assistant  
August 2008 - May 2009 (10 months)  
Ponce, Pr, Puerto Rico

Federal Work-Study (FWS) Program

Interamerican University  
Biology and Microbiology Laboratory Assistant  
August 2006 - May 2007 (10 months)  
Ponce, Pr, Puerto Rico

Federal Work-Study (FWS) Program

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## Education

Pontificia Universidad Católica de Puerto Rico  
Master's degree, Biotechnology

Universidad Interamericana de Puerto Rico  
Bachelor's degree, Biomedical Sciences, General

University of Alabama at Birmingham  
Post-Bac, Oncology and Cancer Biology · (2012 - 2013)

