

JOHEL PADILLA, DrPH

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Summary

I am a dedicated public health professional with open experience in environmental health, epidemiology, and vector-borne disease management. My academic background and hands-on experience in scientific research, data analysis, and public health education make me an ideal candidate for the public health entomologist position at PRVCU-TITEC. I am committed to improving vector control and management and public health entomology research through advanced research techniques, teaching, and collaboration with key public health entities.

Education

Doctor of Public Health with specialization in Environmental Health

University of Puerto Rico, San Juan, PR

08/2016 - 11/2022

Dissertation: Spatiotemporal Dynamics of the *Aedes aegypti* (L.) Mosquito Population in the Caño Martín Peña Area in San Juan de Puerto Rico during the 2018–2019 Epidemiological Years: Health Implications for Residents of Surrounding Communities.

Master of Science in Environmental Health

University of Puerto Rico, San Juan, PR

08/2012 - 05/2014

Bachelor of Science in General Biology

University of Puerto Rico, Bayamón, PR

08/1997 - 05/2002

Licentiate in Ecclesiastical Studies

University of Navarra, Pamplona, Spain

09/2004 - 06/2009

Professional Experience

Auxiliary Professor

DECEP + Leap Academy

University of Puerto Rico in Carolina

Carolina, PR

08/2024 - present

Instructed introductory biology course (CIBI 3001) for first-year university students (ages 16-18), delivering engaging lectures and fostering critical thinking and scientific inquiry skills through hands-on laboratory activities and interactive discussions.

Environmental Health Adjunct Professor

Department of Environmental Health

Graduate School of Public Health, University of Puerto Rico

San Juan, PR

08/2023 - present

I teach the course Principles of Environmental Public Health (SAAM 6528) with prevailing teaching methods and technologies by integrating academic theory with real-world applications and incorporating up-to-date research and case studies.

Teaching Facilitator for Public Health Introductory Course

University of Puerto Rico School of Public Health

San Juan, PR

03/2015 - 06/2020

Supported recent graduates by guiding them through core public health courses.

Project Manager and Coordinator/Research Assistant/Preceptor

Campus of Medical Sciences, University of Puerto Rico

San Juan, PR

08/2020 - 10/2020; 03/2015 - 06/2020

Led and managed database research and development projects.

Recruited and trained new team members and provided strategic direction for database design.

Doctoral Student Intern

Puerto Rico Science, Technology & Research Trust

San Juan, PR

01/2019 - 12/2019

Conducted a preliminary study on Aedes sp. mosquitoes using non lineal spatio-temporal techniques.

ArcGIS Specialist

Resource Center for Science and Engineering

San Juan, PR

01/2017 - 09/2018

Created and refined rural community maps using ArcGIS and ArcScene for rural community's water supply for a federal grant project in Aguas Buenas, Puerto Rico.

COVID-19 Case, Investigator

San Juan Municipality, Department of Health

San Juan, PR

07/2021 - 09/2021

Conducted thorough investigations and follow-ups with COVID-19 cases.

Freelance Translator

Multiple Companies

Remotely

01/2006 - 01/2009

Provided precise English to Spanish translations and proofreading for TransPerfect and other companies.

Skills

Technical Proficiency: Amazon Web Services (AWS): Experience in the use of cloud computing and data storage solutions.

ArcGIS & Esri Quantum: Proficient in GIS technology for mapping and spatial analysis.

R Programming: Skilled in statistical computing and data analysis with R.

Professional Competencies: Strategic Planning: A great deal of experience developing and implementing strategic initiatives to achieve organizational goals.

Data Analysis: Capable of analyzing complex public health data to identify trends and support decision making.

Research Integration: Effective at bridging academic theory with practical applications through thorough research and case studies.

Publications