

## Robert Roy Y. Gallardo

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Macabalan, Cagayan de Oro City

### EDUCATION

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#### University of the Philippines Los Baños

College, Laguna

Bachelor of Science in Agricultural Biotechnology

July 2025

Major in Crop Protection Biotechnology (Plant Pathology)

cum laude

- Coursework focuses on agriculture and molecular biology and biotechnology
- With focus in plant bacteriology, virology, and biological control

### RESEARCH EXPERIENCE

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#### University of the Philippines Los Baños

College, Laguna

Institute of Weed Science, Entomology and Plant Pathology

Undergraduate Thesis

- Biological control of bacterial wilt of tomato caused by *Ralstonia solanacearum*.
- Implemented microbiological, molecular, and bioinformatics methodologies.
- Introduced specific optimizations in improvement of efficiency of isolation and enrichment of bacteriophages.

Research in Phytobacteriology

September–January 2024

- Independent research project on initial isolation of suspected and emerging bacterial pathogen of Dragon fruit.

### UNIVERSITY EXTRACURRICULARS

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#### UP Genetic Researchers and Agricultural Innovators Society

College, Laguna

Resident Member

2023-2025

National Biotechnology Week 2024 Organizer

2023-2024

### GRANTS AND SCHOLARSHIP

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#### Department of Agriculture – Biotechnology Program Office

Undergraduate scholarship for biotechnology-related programs

- One of the seven (7) awardees of the DA-BPO scholarship in UPLB.

### OTHER WORK AND INTERNSHIP EXPERIENCE

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#### UPLB National Institute for Molecular Biology and Biotechnology (BIOTECH)

2025

- Apprenticeship program focusing on advanced microscopy and electron microscopy (TEM and SEM) and microbiological techniques.

#### ABT 198 (Internship)

2024

- A holistic internship program in Negros Occidental encompassing three (3) research centers: Sugar Regulatory Administration, Bureau of Plant Industry – National Crop Research, Development, and Production Support Center, UPLB La Granja Research Station.

- Outstanding performance in internship with Best Poster Presentation award.

## OTHER SKILLS

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### Molecular biology techniques

- Basic techniques in molecular biology (e.g. DNA extraction, PCR, AGE/PAGE, molecular marker technology, recombinant DNA technology, etc.)
- Basic bioinformatics pipeline
- Supplemented via undergraduate coursework and thesis in ABT

### Scientific design and communication

- Proficient in Adobe Suite, Canva
- Strong technical writing competency

### Data analyses and visualization

- Basic data visualization and coding in R-Studio
- Statistical analysis using Jamovi, Excel.

## REFERENCES

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NATHANIEL R. ALCANTARA, MSc

Assistant Professor

Institute of Weed Science, Entomology and Plant Pathology

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University of the Philippines Los Baños

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