

# **KARIANA A. FELICIANO-LOPEZ, MS**

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## **EDUCATION**

**Master of Science in Biotechnology, Plant Biotechnology** Jan 2014-May 2016  
Inter-American University of Puerto Rico, Barranquitas

**Bachelor in Science- Biology** June 2009-Dec 2013  
**Minor in Biotechnology**  
Inter-American University of Puerto Rico, Barranquitas

## **PROFESSIONAL EXPERIENCE**

**Process Development Associate Scientist** July 2022- Present  
Amgen Manufacturing Limited, Juncos, PR.

**Biotechnology/Biology Teaching Assistant** Aug 2016-May 2022  
Inter-American University of Puerto Rico, Barranquitas

**Laboratory Technician- Blue Biotechnology** Dec 2019- July 2021  
National Science Foundation, IAUPR, Barranquitas

**Quality Assurance Technician** Oct-Nov 2018  
Baxter Healthcare, Inc., Aibonito, PR.

**Associate Quality Control** June 2017-Oct 2018  
Amgen Manufacturing Limited, Juncos, PR.

**Research Laboratory Assistant** June 2011-May 2016  
Inter-American University of Puerto Rico, Barranquitas

**Tutor Biology & Biotechnology** Jan-Dec 2015  
Inter-American University of Puerto Rico, Barranquitas

## **SKILLS & KNOWLEDGE**

- Advance practice in design, conduct and perform science experiments using advance analytical laboratory methods, equipment and technologies:
  - Plant micropropagation, breeding, media culture and seed culture, electrophoresis (Agarose/SDS-PAGE), RT-PCR, cloning and sequencing, HPLC, GC-MS, UV/Vis Spectrometry, IR, DNA/RNA/protein isolation, quantification and characterization, phylogenic analysis, animal cells/bacteria/fungi culture, dye techniques, contract/inverted fluorescence microscopy, others.
- Skills to execute aseptic/microbiological techniques, gowning qualification and PPE, and management of biological/chemistry waste and disposal requirements for EHS compliance.
- Ability to collect, record, evaluated, organize, present and interpreted laboratory data/result.
- Experience in Process Development, Manufacturing, Quality Control and Quality Assurance areas, review/approval of documentation, Product Retention Records, Control Charts, Batch

Records, and assist on the generation and investigation of deviations.

- Knowledge in regulatory agencies (FDA, OSHA, USDA, etc.) and compliance guidelines/process: ISO, SOPs, GMPs, GLPs and GDPs for biotechnology, biological, medical device, chemical and bioprocess product/industry.
- Practice in auditing routine manufacturing parameter and/or set-ups, product compliance, specifications, and audits of sampling techniques testing.
- Experience in QC Critical Reagents/Reference Standard Inventory management and Lab Distributions, shipping process of sample and products to US and non-US countries.
- Knowledge in computer, information systems and data analysis: Microsoft Office, PDF, oral presentations, CIMS, LIMS, Maximo, CDOC, eBR, Trackwise, POMS, Bioinformatic tools, data scientist, internet tools and search and others.
- Strong skills to work in team and independently, tasks organization and leadership aptitude, deductive reasoning and critical thinking, dedicated, innovative, creative, quick learner and problem-solving. Effective written and verbal communication skills.

## **SCIENTIFIC RESEARCH**

- Heavy metal stress and gene expression in plant stomata of *Arabidopsis thaliana* (2011-2015)
  - Plant Biology, American Society of Plant Biologists, Rhode Island, USA (2013)
  - 49th ACS JTM/34th PRISM, UPR, Cayey, PR (2014)
- Production of disease-free plantlets from *Arracacia xanthorrhiza* (2014)
- Development of plants of *Musa paradisiaca* (plantain) resistant to *Bemisia tabaci* (2015)
- Phylogenetic Analysis of Orchids in the Center of Puerto Rico (2015-2016)
- Macroalgae and microalgae project-various research topics in blue biotechnology (2019-2021)
  - Poster Award- 10th Conference of the American Council for Medicinally Active Plants (2021)

## **REFERENCES**

Available upon request.