

Energetic university student with upcoming degree in Biology. Detail-oriented and motivated to stay on task, meet aggressive timelines and accomplish goals. Strong analytical and organizational skills within Biochemical industry. Emerging veterinary technologist (in the following years) offering experience in biochemical laboratory equipment, analysis of said equipment data, and can perform simple animal tests with the supervision of a professional. Skilled at leading and motivating team members to ensure company goals are met.

## Work History

2019-05 -  
2019-07

### Biochemistry Intern

*Montana State University, Bozeman, Montana*

- Worked with Dr. Bennett Streit to resolve microbial aromatic catabolism problems, in order to maximize an enzymes potential to bioconvert subunits of lignin into adipic acid
- Conducted biometric activities such as DNA analysis, standoff biometric sensing and integrated architecture synthesis
- Set up and calibrated laboratory instruments and equipment to prepare for testing purposes
- Operated Gel Electrophoresis, HPLC and other types of chromatographic lab equipment to perform control assays and studies on different CYP P450 substrates
- Collected and stored specimens and samples to prevent contamination
- Used UV/Vis spectrophotometer and Chromatographic Autosampler to perform molecular calculations on enzymatic activity by GcoB
- Filtered and screened antibodies for development of various assays through CC and other types of chromatography
- Developed and executed cyp c, formaldehyde, protein, flavin, and different substrate assays to determine rapidness, effectiveness and byproduct formation from a reaction

2014-01 -

### Veterinary Assistant

# Shiara Vega Natal

Student

## Contact

### Address

Urbanization Monte Trujillo  
Street 6, D-5  
Trujillo Alto, PR, 00976

### Phone

787 624 8484

### E-mail

shiara.vega@upr.edu

### LinkedIn

<https://www.linkedin.com/in/shiara-vega-0a5026163?>

## Skills

Reagent preparation



Biomarker detection



Lab maintenance



Fluid mechanics



Creative problem solving



Spectrometer equipment



2014-04

*Hospital Para Mascotas, Trujillo Alto, PR*

- Cleaned and disinfected exam areas, equipment and kennels to prevent spread of disease, control odors and maintain healthy environment
- Monitored up to 50 animals in post-operative care unit for anesthesia recovery, vital signs and activity levels
- Assisted the doctor in performing basic exams and tests such as urinalysis, parasite exams and CBC for dogs and cats
- Prepared surgical instrument packs and drapes for use in sterile environments by processing in autoclave under high pressure and high temperature conditions
- Administered routine, post-operative and daily treatments to animals under direction and supervision of veterinarian
- Followed all pet care instructions, including dietary needs and medication regimens
- Cared for wide range of animals, including rodents, reptiles and exotic birds
- Remained on call after hours on 5 days each week
- Sterilized instruments and equipment for necessary procedures

---

## Education

---

2017-08 -

**High School Diploma**

2018-05

*Saint Francis School - Carolina, Puerto Rico*

2018-08 -

**Bachelor of Science: Biology With  
Concentration in Biomedical Sciences**

Current

*University of Puerto Rico - Ponce, Puerto Rico*

---

## Affiliations

---

- Leadership Alliance member
  - NSF member
- 

## Interests

---

Detail conversions



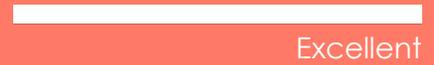
Average

Fecal, urine and blood testing



Good

Safety and compliance



Excellent

Lab operations



Good

Treating wounds



Good

Communication skills



Very Good

Motivated



Excellent

Compassionate



Excellent

Pet grooming



Good

Responsible



Excellent

Veterinary Medicine

Molecular Biology

Genetics