

# DANIELLE ELENITA G. BORGONIA

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## EDUCATION

### University of Virginia, Charlottesville, VA

College of Arts and Sciences 2021, B.A. Biology, Statistics *with a concentration in Biology*

## PROFESSIONAL EXPERIENCE

### Research Associate at NeoImmuneTech

June 2022 - Present

- Managed over 20 preclinical collaborations, overseeing research-related project management, communications and activities.
  - Participated in NIAID/RNCP collaboration for product development of Medical Countermeasures for Acute Radiation Syndrome, working towards FDA approval.
  - Wrote and reviewed study plan proposals, feasibility checks, and data report summaries and provided feedback for several abstract and manuscript publications.
  - Assisted in the submission of ODD applications and RO1 grants.
  - Maintained internal and external communications for the execution of contracts and reagent shipments.
- Conducted extensive research on emerging cytokine therapies and competing companies.
- Analyzed clinical trial data using R, FlowJo, FlowSom, and Excel.
- Streamlined tracking systems for ongoing contracts and reagents shipment and automated citation system for publications, enhancing operational efficiency.
- Contributed to the development of a biomarker strategy through in-depth literature searches and reviews.

### ABSTRACTS:

- NT-I7, a long-acting interleukin-7, promotes expansion and mobilization of virus-specific PD-1+TCF-1+ stem-like CD8 T cells during chronic viral infection. Cytokines, 2023

### Undergraduate Research Assistant

June 2018 - May 2021

### Lum Immuno-Oncology Laboratory at University of Virginia Hospital

- Designed and executed wet-lab experiments examining the efficacy of Ofatumumab x OKT3 bispecific antibody against lymphatic leukemia cells using methods including flow cytometry, ELISA, PCR, and staining.
- Maximized specificity and efficacy of killing at various concentrations of differing bispecific-antibody armed activated T cells against differing cancer lines.
- Armed and raised T-cell cultures extracted through the FICOLL process and cultivated lymphatic cell lines.

### Emergency Department Technician at Martha Jefferson Hospital

August 2020 - June 2022

- Optimized patient health outcomes while adhering to all applicable health, safety, and hospital regulations.
- Performed patient procedures and treatments under the supervision of physicians and nurses including EKGs, splints, and vital signs.
- Documented and communicated data to designated medical command authority.

## ON CAMPUS INVOLVEMENT

### Organization of Young Filipino Americans

Culture Chair

April 2018 - May 2019

- Orchestrated organization's annual Filipino cultural showcase, featuring traditional and modern dance.
- Co-authored and co-directed skit addressing modern Filipino-American issues and the intergenerational culture gap.
- Addressed the mental health stigma within the Asian-American community.

## CERTIFICATIONS

GCP for Clinical Trials with Investigational Drugs and Biologics

## SKILLS

Python, R, FlowJo, FlowSom, SAS, SQL, SQLite, Microsoft Office

Regression Analysis, Data Visualization, data mining, database management

NREMT, EMT-B, BLS, and First Aid Certified

Classically educated in classical guitar