

# JENNIFER GENES

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4017 Putty Hill Avenue  
Nottingham, MD 21236

## SKILLS

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Bilingual (English/Spanish) | MS Office Suite | Aseptic Technique | PCR | qPCR | RT-PCR | Protein Purification  
Western Blotting | Southern Blotting | Experimental Design | Enzymatic Assays | Spectrophotometry | Genetic Transformation  
Preparation of Solution Cell Culture | Data Management | Research | Bacterial Species Isolation | Microtomy

## EXPERIENCE

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### Lab Applications Specialist

GeneDx

Oct. 2017 – Present  
Gaithersburg, MD

Ensure Exemplar LIMS is functioning properly so that laboratory personnel may access the system and complete necessary testing and review tasks  
Manage Exemplar LIMS vendor, consulting services, and projects with that vendor to ensure successful implementation  
Configure and update workflows as needed to ensure continued compliance and alignment with QC policies and lab protocols  
Maintain system user security by creating and tracking user profiles and setting access and privilege rights  
Assist with creating custom and/or ad-hoc reports using the Exemplar LIMS capabilities  
Conduct training for new staff or new functionalities inside the company  
Work with IT and other database administrators within the company to ensure correct database and system function and troubleshoot as necessary. Lead projects when integration of the Exemplar LIMS system is required with other database systems  
Responsible for designing and continuously improving Exemplar LIMS system  
Responsible for writing and reviewing departmental and interdepartmental SOPs involving Exemplar LIMS  
Assist with review, analysis, reporting and trending of analytical data that may include equipment and consumable monitoring, workflow turn around times, and in-lab testing.

### Lab Technician

2017

FD Neurotechnologies

Jul. 2016 – Jan.

Columbia, MD

Cut, stained, and prepared over 23,760 tissue samples. Studied the slides under the compound microscope to ensure quality and proper order of tissue slides. Checked routine H and E slides. Assisted with special staining and other technical procedures when required. Dehydrated tissues carefully by immersing them in acetone or alcohol baths. Primarily responsible for specimen handling and processing, reporting and maintaining records of specimen protocols.

### Student Research

May 2016

Towson University

Jan. 2016 –

Towson, MD

Performed wet-lab and molecular biology scientific research, served on research team that succeeded in discovering a new small protein in E. Coli. Exposed to molecular and microbial techniques such as PCR, qPCR, blotting, DNA and RNA purification, media preparation, buffer preparation, media culturing, GMP processes, and sterilization techniques.

### Laboratory Assistant

Towson University

Aug. 2015 – Dec. 2015

Towson, MD

Assisted 30 undergraduate students with labs, demonstrated proper aseptic techniques to the classes, stocked and cleaned laboratory material before classes.

### Air Operations / Logistics Specialist

United States Navy Reserve

Jul. 2013 – Jul. 2014  
Southern Governorate, Bahrain

Commanded a team of 4 personnel in coordinating the loading and offloading of 8.1 million pounds of cargo from military cargo aircraft, inspected customs paperwork for cargo and conducted daily maintenance on 7 transport vehicles. Prepared daily scheduling for replenishment of ammo and water pallets for 7 guard stations and 3 operations departments. Effectively communicated with base leadership by presenting weekly reports on manning and supply needs. Spearheaded education services overseas by scheduling on-base

college courses; preparing and issuing military tuition assistance for over 300 service members; planning and managing 3 education fairs; and served as point of contact for military affiliated universities.

- Awarded Reservist of the Month for the Fifth Fleet for selecting courses available on base and successfully encouraging military personnel to enroll in courses leading to the highest amount of enrollees since implementation of the distance learning program

#### **Aircraft Technician**

United States Navy Reserve

Aug. 2004 – Present  
Joint Base Andrews, MD

Maintained and inspected aircraft systems including fuel, flight control, rotor, utility, and power plant. Performed maintenance on eight C-130 turbine engines and components. Diagnosed and troubleshoot malfunctions, performed maintenance operational checks, and arranged requests for turn-ins and repair parts.

### **EDUCATION**

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#### **Master of Science in Biotechnology**

University of Maryland University College

Expected Graduation Jan. 2020

Baltimore, MD

#### **Bachelor of Science in Cell and Molecular Biology**

Towson University

Graduated May 2016

Towson, MD

#### **Associate of Arts in Biology**

Miami Dade College

Graduated Dec. 2010

Miami, FL