

RACHEL YOUNG

CONTACT

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EDUCATION

Brigham Young University
Provo, UT

*Bachelor of Science,
Physiology and
Developmental Biology*

December 2019

GPA: 3.59

SKILLS

DNA, RNA and Protein Extraction

DNA, RNA and Protein QC

Western Blot

Immunofluorescence and FISH

Cell Culture

RT-PCR and qPCR

RNA Sequencing

Skeleton Articulation

Microscopy

Mouse Husbandry

Histology Identification

Protocol Development

Fundraising

Microsoft Office

Poster Presentation

CERTIFICATES

Spanish Proficiency

WORK EXPERIENCE

Laboratory Technician

VCU Neurology Department

September 2020 - Present

- Identify disease pathogenesis of several types of muscular dystrophy through experiments involving RNA extraction, sequencing, RT-PCR, qPCR, cell culture, immunofluorescence, FISH
- Maintain laboratory supplies and equipment

Laboratory Manager

BYU Biology Department

December 2019 - July 2020

- Led and managed a laboratory with six undergraduate research assistants
- Organized and standardized large sample sets with over 2,000 subjects
- Wrote laboratory protocol notebook and training manual
- Ordered and maintained laboratory equipment and supplies

Research Assistant

BYU Biology Department

April 2018 - December 2019

- Meticulously extracted DNA from over 200 samples of saliva and CSF
- Presented a poster at the Alzheimer's Association International Conference in July 2019

Translational Biology Intern

Tolero Pharmaceuticals, Inc.

May 2019 - August 2019

- Studied a variety of cancers with a project focused on prostate cancer
- Performed various techniques including western blot, immunofluorescence, cell culture, protein quantification, mice handling, kinetic activity assays

VOLUNTEER WORK

Project Manager

Yapay Bolivia Foundation

April 2017 - Present

- Assist in fundraising efforts, raising \$130,000 over the past 2.5 years
- Traveled to Bolivia twice to execute humanitarian projects including \$30,000 hospital equipment donation
- Oversee and record monthly equipment use reports; organize donation records; plan fundraising events

President/Vice President

BYU Women in Science Club

January 2018 - December 2019

- Served in club positions including Vice President and President
- Arranged monthly activities to involve and support women going into careers in science