DANIELLE RACHEL TYANNA STONE

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EDUCATION

MS   UM, Computational Epidemiology and Systems Modeling   2022
Graduated Magna Cum Laude
In-silico investigation on the impact of non-static sexual behaviors and partner formation over the life course on transmission of sexually transmitted infections
Advisor: Dr. Marisa Eisenberg, PhD, M.S.

MPH   **UM**, Hospital and Molecular Epidemiology   2021
Graduated Summa Cum Laude
Genetic variations of Mycobacterium tuberculosis lipase genes lipE, lipF, lipR among 735 clinical isolates representing six genetic lineages
Advisor: Dr. Zhenhua Yang M.D., PhD

BS   Utah State University, Public Health   2018
Graduated Magna Cum Laude
Minor: Chemistry

BS   Utah State University, Human Biology   2018
Graduated Magna Cum Laude
Minor: Chemistry

AA   Columbia Basin College, General   2014

RESEARCH EXPERIENCE

School of Public Health – Eisenberg Research Group, University of Michigan *Current*
Masters Researcher, Dr. Marisa Eisenberg, PhD, M.S.
In silico investigation of sexual history and infection status within simulated populations

School of Public Health – Yang Lab, University of Michigan   *Sept 2019 – Apr 2021*
Masters Researcher, Dr. Zhenhua Yang, M.D., PhD
Genetic variations of Mycobacterium tuberculosis lipase genes lipE, lipF, lipR among 735 clinical isolates representing six genetic lineages

TEACHING EXPERIENCE

University of Michigan, Ann Arbor, MI
PUBHLTH 512 Graduate Student Instructor, Epidemiology   Jan 2022 – May 2022
PUBHLTH 512 Graduate Student Instructor, Epidemiology   Sep 2021 – Dec 2021
    → *Nominated for Outstanding GSI Award 2022*
PUBHLTH 512 Graduate Student Instructor, Epidemiology   Jan 2021 – Apr 2021
EPID 600 Student Grader, Epidemiology   Sep 2020 – Dec 2020

Utah State University, Logan, UT
Teaching Assistant, Biology – Environmental Toxicology   Jan 2018 – May 2018
Teaching Assistant, Biology – Public Health   Aug 2017 – Dec 2017

HONORS AND AWARDS

David B. Drown Scholarship for Public Health   2016
Competitive scholarship awarded to only two undergraduate students enrolled in a public health program who demonstrate stellar scholarship, character, need, and professional promise

Jay R. West and Lorraine M West Endowed Scholarship   2017
Competitive scholarship granted only to a handful of students in the Biology department who demonstrate academic achievement, financial need, and personal integrity

University of Michigan School of Public Health MPH Deans Award   2019

University of Michigan School of Public Health MPH Deans Award   2020

University of Michigan School of Public Health MS Deans Award   2021

COVID-19 Federal Emergency Fund Grant   2020
Written to finance a workstation computer for MPH ILE

PRESENTATIONS AND INVITED LECTURES

Keynote Address, Genetic variations of Mycobacterium tuberculosis lipase genes,2/23/2021

Panel Presentation, Admitted Students Day,03/14/2020.

Keynote Address, "Vaping Awareness," River Heights Academy Presentation,11/21/2019

Keynote Address, "Antimicrobial Stewardship," USU Capstone Presentation 08/26/2017

Keynote Address, "DOE Respirator Reg. Update," Hanford Respirator Committee,07/2015

PROFESSIONAL TRAINING

CPR and First Aid Certified, Red Cross CPR Certification, Idaho Falls, 06/2018

HAZWOPER 24 Hour, DOE Idaho National Laboratory, 06/2018
Description: Certification expired

HAZWOPER 40 Hour, Volpentest HAMMER Training Center, 07/2015
Description: Certification expired

COMMUNITY SERVICE

Detroit Health Department
General Volunteer, Detroit Health Department Building, 06/20 – 08/20

PFLAG Idaho
Community Volunteer, Idaho Falls, 02/19 – 06/19

COMPUTER SKILLS

Programming: SAS v9.4, R, Python, C++

Applications: RStudio, Microsoft Visual Studio, MTBseq, GATK, NCBI BLAST, NCBI SRA Database, ENA Browser, bioconda, Microsoft Office

Platforms: Microsoft Windows, Apple OSX, Linux Debian & Terminal

Hardware: Advanced Software Troubleshooting, Hardware Troubleshooting, Basic Networking

OTHER

MCAT – 511 Score (89% Percentile)