

Education**University of Colorado, Boulder**

Boulder, CO

Ph.D. in Integrated Physiology (in progress August 2020-)

Cumulative GPA: 3.84

*Certificate in Behavioral genetics – Institute for Behavioral genetics (in progress August 2020-)***University of Maryland College Park**

College Park, MD

*B.S. in Biological Sciences: Public Health Science (Winter 2018)***Research Experience****Graduate Student Researcher**

Boulder, CO

Dr. Charles Hoeffler [Integrated Physiology]

August 2020-

- Initiated and currently working on a project to characterize the function of Akt in the brain in regards to cognition, behavior, gene expression and sex differences.

Cancer Research Training Award (CRTA)

Frederick, MD

Dr. Zhi-Ming Zheng (Head, Tumor Virus Section)

June 2018-June 2020

- Initiated a project to identify cellular cofactors of a viral regulator protein ORF57 in KSHV infections. Also used genetic tools to amplify and sequence the entire KSHV episomal sequence.

Undergraduate Biology Student Researcher

College Park, MD

Dr. Jonathan Dinman [Molecular Biology]

January 2016 – May 2018

University of Maryland College Park

- Initiated and working on project to identify, validate, and characterize the wild type and several mutant Programmed -1 Ribosomal Frameshift signals including TP53. Identified and cloned several other frameshift signals that were computationally predicted.
- Employed year round, including school semesters, winter break, and summer break

Summer FIRE (First Year Innovation & Research Experience) research fellowship

College Park, MD

University of Maryland College Park

June 2015 – August 2015

- Continuation of research project initiated during the school year on -1 PRF. Learned valuable lab skills & safety as well as helped teach fellow students.

Teaching Experience**Teaching Assistant**

Boulder, CO

University of Colorado Boulder

August 2020- May 2022

- Worked as a teaching assistant in the Integrated Physiology department for classes Human Physiology and Cell Physiology

Mentor for Undergraduate Student

Boulder, CO

University of Colorado Boulder

November 2021-

- Currently mentoring an undergraduate student at University of Colorado Boulder in the Hoeffler lab and training her (Lauren McCabe) in animal behavior protocols, PCR, biochemical assays and data analysis

Volunteer Tutor

College Park, MD

University of Maryland College Park

January 2017

- Volunteered at nearby weekend tutoring service for kids aged 8-17 on Saturdays

Peer Mentor

College Park, MD

University of Maryland College Park

June 2016-August 2016

- Mentored a summer research fellowship student in molecular biology techniques such as bacterial cloning and cell culturing

Scientific Publications, Posters, and Conferences

- “Probing isoform and cell-specific function of Akt in the brain in regards to cognition and behavior” [**Mina Griffioen**, Robin Dowell, Charles Hoeffler]
 - Presented at FRNG Fall conference Fall 2021
- “Probing and characterization of KSHV ORF57 interacting proteins to help facilitate ORF57-mediated viral RNA stability” [**Mina Griffioen**, Vladimir Majerciak, Zhi-Ming Zheng]
 - Presented at HIV DRP conference Fall 2019
 - Preparing article for submission
- “Regulation of Eukaryotic Gene Expression by Programmed -1 Ribosomal Frameshifting” [**Mina Griffioen**, Liya Ketema, Tania Mamdouhi, Arvin Massoudi, Vivek Advani, Jonathan D. Dinman]
 - Presented at the RNA Rustbelt Conference on October 2016, University of Maryland Bioscience Day on November 2015, 2016, and Undergraduate Research Day at the University of Maryland on March 2015, 2016

Technical Experience and Skills

Molecular Genetics: Bacteria culturing, plasmid isolation from bacteria, agarose gel DNA extraction, inoculations, restriction enzyme mapping, plasmid construction, molecular cloning, designing oligonucleotide frameshift signals, DNA sequence analysis, enzyme digestion reactions, PCR fragment amplification, electroporation, DNA/RNA extraction, immunoprecipitation, Western blotting, RNA pulldown, siRNA knockdown and rescue

Animal work: Mouse perfusions, Elevated Plus Maze behavioral assay, Open Field Assay, Cued and fear contextual behavioral assays, Mouse brain dissection, PPI behavioral assay

Tissue Culture: HeLa/HEK293T cell culturing, HeLa/HEK293T cell transfections, BCBL-1 cell culturing

Biochemistry: Dual luciferase assays, luminometer fluorescence data analysis, ELISA assays

Chemistry: Recrystallization, filtration, reduced-pressure solvent removal, liquid-liquid extraction, simple distillation, fractional distillation, plate and column chromatography, reflux reactions, GLC analysis, NMR analysis, IR analysis.

Equipment Usage: Microplate luminometer, cell culture hood, bacteria shaker, autoclave, cell culture incubator, nanodrop, EpiChemi II darkroom (fluorescence imaging), thermocycler, microcentrifuge, fume hood, confocal microscope, bioanalyzer

Programming: Excel

Language: English, Swedish

Major Awards

NIMH Pre-Doctoral Training Grant Awardee Boulder, CO
University of Colorado Boulder July 2022-

- Awarded a Trainee position on a National Institute of Mental Health (NIMH) grant through the Institute for Behavioral Genetics

Cogswell Award for Inspirational instruction Boulder, CO
University of Colorado Boulder March 2022

- Nominated for outstanding instruction in the college, 2 nominations allowed per department

Commencement Speaker College Park, MD
University of Maryland College Park December 2018

- Selected amongst many applicants to give a speech as commencement speaker at UMD School of Public Health Winter 2018 graduation.

Dean's List College Park, MD
University of Maryland College Park

- Maintained a GPA above at least 3.5 for five semesters

Poster Presentation Award College Park, MD
UMD Public Health Research Day Cleveland, OH
April 2018

- Recognized for excellence in poster presentation October 2016
Rustbelt RNA Meeting
- Recognized for excellence in poster presentation out of 178 poster presentation participants.

Do Good seed fund recipient College Park, MD
University of Maryland College Park October 2016

- Awarded for “doing the most good” or helping communities in need. Engaged in a lot of community events in order to improve youth life upon the College Park area and UMD campus. Provided medical supplies and education to those in need.

Academic Experience & Extracurricular Activities

Post-Bac

Crisis Counselor

Volunteer Counselor

July 2019-Current

- Answer texts from persons in a crisis and counsel them to a calmer state of mind

Friendly Neighbor Volunteer

Frederick, MD

Volunteer member

July 2019-Current

- Acted as a support system for the elderly, assisted with grocery shopping, friendly visits to alleviate loneliness and promote mental health

College

S.H.A.R.E (Supporting Hospitals Abroad with Resources and Equipment)

College Park, MD

President

November 2015 – Current

- Organized efforts to ship donated medical equipment to hospitals in need in areas such as Kenya and Haiti
- Raised awareness for medical sustainability, participated in Do Good challenge, attended collaborations between clubs such as Public Health without Borders, facilitated meetings and faculty involvement, communicated with clinics abroad and acted as correspondent for hospitals in Maryland

Public Health without Borders

College Park, MD

Correspondent, Member

February 2017 – Current

- Acted as a correspondent between this club and S.H.A.R.E. Attended meetings and gained information on project sites and happenings.

Volunteer, Global Leadership Adventures

Costa Rica

Volunteer Member

July 2013

- Volunteered at local community, helped teach English and paint and clean recreation areas

Work Experience

Wawa

Easton, MD

Customer Service Associate

May 2012 – Current

- Worked in the deli and helped train new associates. Organized tasks and executed all tasks regarding the deli and inventory

SEE (Student Entertainment Events)

College Park, MD

Security Team

March 2014

- Provided security detail for entertainment events.