


NHI X LUU


Silver Spring, MD 20906

 About Me

 Nluu

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 nluu1

 (240) 584-1439

EDUCATION

UMBC at the Universities at Shady Grove
B.S., Biotech (TLST) - Bioinformatics; GPA: 4.0

Rockville, MD
Expected: Fall 2023

University at Maryland - College Park
Credits: 32

College Park, MD
Jan 2018 - May 2019

Montgomery College
A.S., Life Sciences; GPA: 3.83

Rockville, MD
Dec 2017

TECHNICAL SKILLS & KNOWLEDGE AREAS

- **Laboratory:** Immunofluorescence, RT-PCR, transformation, cells and spheroids culturing/fixation, protein purification methods, microbiology techniques, gel electrophoresis, other staining techniques (HE, ORO, gram stain)
- **Programming Language:** Python, R, Unix/Linux/Command-line environment, Latex
- **Instrumentation:** Spectrophotometer, Nanodrop, Fluorescent/Confocal microscopy, pipetting
- **Software:** ImageJ, MS Office/365, BLAST/NCBI, Zeiss Zen

RESEARCH EXPERIENCE

Adaptive Phage Therapeutics, Inc.
Phage Hunting Intern

Gaithersburg, MD
08/2022- Present

- Utilize aseptic microbiology techniques to enrich, isolate, and purify hunted phages against bacterial strains
- Communicate well-thought-out findings and resources among colleagues in agile projects
- Perform and adhere to cGMP, GDP in BSL-2 laboratory, safely and efficiently utilize procedures, instruments and tools

Montgomery College – Biology Department
Research Assistant – Wound Healing Model Research

Rockville, MD
07/2021- Present

- Establish optimal conditions for spheroid co-cultures in 3D to observe their interactions and patterns
- Perform tissue culture, scratch wound assay, immunofluorescence, HE staining on different cell lines for image and statistical analysis
- Developed and optimized lab protocols for future research projects on spheroids and viability with drugs

Student Assistant – Novel Solutions to Wound Healing Project

01/2017- 12/2017

- Independently presented a 20-page Literature Review Presentation on the *Development of a Full-Thickness Human Skin Equivalent Derived from TERT-Immortalized Keratinocytes and Fibroblasts*
- Pioneered ideas to a published literature review on Springer: *Skin wound Healing: Refractory Wounds and Novel Solutions* (first online 24 May 2018)

PROGRAMMING EXPERIENCE

Universities at Shady Grove
Student Contributor - Extra Curricular

Rockville, MD
04/2022- Present

- Conduct descriptive statistics on Cardiology dataset using R/Python on Blood-work analysis (GitHub)
- Update and monitor version controls of scripts on GitHub project repositories

Student Projects - Universities at Shady Grove

08/2022- Present

- Conduct Maryland Census data-driven group projects in Python using API
- Propose project on annotation and 3D restructuring of proteins at transcriptomic/proteomic level

MEMBERSHIPS

- Biotech Club - UMBC Shady Grove *02/2022 - Present*
- Societies of Asian Scientists and Engineers (UMD Chapter) *07/2018- 02/2019*