

## **Anas Alhafi**

**Address:** 1740 2<sup>nd</sup> Avenue, New York, NY, 10128 / **Phone:** +1 (917)-940-4331

**Emails:** [ama188@mail.aub.edu](mailto:ama188@mail.aub.edu) / [anas.alhafi@mssm.edu](mailto:anas.alhafi@mssm.edu)

### **EDUCATION**

**August 2018 – June 2022**                      **American University of Beirut**                      **Lebanon**

- **Doctor of Medicine**

**September 2015 – June 2018**                      **American University of Beirut**                      **Lebanon**

- **Bachelor of Sciences in Biology**

### **Research Experience**

- Positions:
  - Clinical Research Volunteer in American University of Beirut with Dr. Arafat Tfayli (2022)
  - Currently a Post-Doctoral Research fellow in the Tisch Cancer Institute, Mount Sinai Hospital (Since October 2022):
    - Leading in the biology team, a part of an academic-industry collaboration with “Cullinan Therapeutics”, to develop an orally bioavailable immunotherapeutic agent through selective hematopoietic progenitor kinase-1 (HPK-1) degradation.
      - Worked on designing experiments and validating assays to screen the library of synthesized compounds
      - Coordinated screening more than 900 compounds
      - Screened selected compounds for efficacy and toxicity in primary human and murine systems
      - Consulted on high throughput assays to troubleshoot and validate, in order to mass-screen compounds synthesized based on Structure-activity relationship (SAR).
    - Part of a project that explores the role of HPK-1, and its cleaved byproducts in antigen presenting cells.
    - Part of a project to investigate the role of HPK-1’s “Citron Homology Domain”.
    - Supervised a research technician.

- Manuscripts and Publications:
  - Harb, Tarek & **Alhafi, Anas** & Tfayli, Arafat. (2023). Efficacy of lung cancer screening at the American University of Beirut Medical Center. *Frontiers in Oncology*. 13. 10.3389/fonc.2023.1164574
  - Alzabin S\*, **ALHAFI A\***, Burakoff SJ, Inamdar NA, and Sawasdikosol S. Hematopoietic progenitor kinase 1: Is there more to look for than inhibiting the kinase activity? A Review of what's known. Manuscript in preparation.
  - Jin YJ, Alzabin S, **ALHAFI A**, Zha R, Zhang X, Sinko P, Burakoff SJ, and Sawasdikosol S. Study of HIV-1 Nef reveals that the glutamine and arginine residues at the -2 and -1 position N-terminal to the first leucine residue of the CD4 di-leucine motif plays a critical role in CD4 endocytosis. Manuscript in preparation.
  
- Skills:
  - Reviewer in "Life Science Alliance", "Frontiers in Genetics", and "Frontiers in Immunology" Journals
  - Trained in using the SPSS software
  - Data collection, minute details integration, analysis, and interpretation, as well as manuscript writing
  - Expert in time management, organization, communication and data management
  - Creative problem-solving
  - Cell isolation and culture: Cultivated and maintained more than 10 cell lines including primary human and murine cells
  - Experimental Design: Ability to design and execute experiments, including troubleshooting and optimization
  - Validating assays to screen compounds for protein degradation, efficacy, and toxicity
  - Protein/cytokine detection and analysis through multiple techniques: Flow Cytometry, ELISA, Western Blots, etc.
  - Gene knockout/knock-in using CRISPR technology
  - Expert in murine In-Vivo and Ex-Vivo work:
    - Animal tumor models: Tumor implantation and measurements
    - Mice treatment through Intraperitoneal, and oral routes.
    - Extraction and processing of tumors and draining lymph nodes.
    - Extraction and isolation of different subtypes of immune cells.

## **Volunteering**

- **Giving Back Volunteering team in Syria:** Participated as a part-time member. The team organizes many events such as “Breast Cancer Awareness”, “Orphans’ Day”, and other community services.
- **LeMSIC:** Dedicated member of LeMSIC organization, which is “Lebanese Medical Students International Committee”. It is an organization that connects medical students in Lebanon, to medical students worldwide through IFMSA. I was part of more than one organizing committee and participated in many projects as an event manager.
- **HEAL CLINIC:** Member of HEAL CLINIC pharmacy team, under AUBM-Cares Initiative. HEAL CLINIC is a student-led initiative that offers free, sustainable primary healthcare services for marginalized communities. I was responsible for securing medication through fund raising events, collecting samples, and contacting pharmaceutical companies.
- **GOLD CLINIC:** GOLD is a student-led initiative that offers free-of-charge services to the underprivileged elderly in our community in Lebanon. I was a clinical volunteer.

## **Awards and achievements**

- Ranked 1<sup>st</sup> during high school years
- Class Valedictorian in High School graduation ceremony
- Dean’s Honor List, Biology Department, AUB, Lebanon (Spring 2016)

## **Extracurricular Activities**

- Tutor of Mathematics, Biology and Chemistry
- Sports coach (Football, Basketball, Ping-Pong, and swimming) in summer clubs
- Represented my school in football, basketball, and ping-pong tournaments

## **Languages**

- Arabic (Native)
- English (Fluent)