

Zainab Kalout

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SUMMARY:

Goal-oriented, highly-organized Biology Graduate student and a passionate person seeking a professional position to conduct research. Biology Laboratory Instructor focused on teaching and conducting scientific experiments. Skilled in Cell Culture, Confocal Microscopy, Microscopy, Western Blotting and Protein Expression. Ability to interact well with individuals from variety of backgrounds and cultures leading to an equal environment within the workplace.

EDUCATION:

September 2021 – Present (Expected end date – April 2024)	Master Degree – Cell and Molecular Biology American University of Beirut (AUB)	Beirut, Lebanon
October 2019 – July 2021	Bachelor Degree – Life and Earth Science Lebanese University	Beirut, Lebanon

EXPERIENCE:

Research Experience:

Graduate student skilled in:

- **Molecular biology techniques:** ELISA, Gel Electrophoresis, Nano-drop, qPCR, RT-PCR, RNA Extraction, transfection, western blotting and Live cell imaging.
- **Cell culture techniques:** Cell counting, cell passaging, cell freezing and Centrifugation

Teaching Experience:

(September 2021 – Present)

Lab Instructor – American University of Beirut (AUB)

- Instructor for General Biology I (201) & General Biology II (202) Lab courses for over 40 students/course
- Maintain accurate program documentation with attendance, participation, grades and Incident reporting
- Leverage varied instructional delivery modes to support student learning and enforcing Laboratory rules
- Demonstrate skills and safety procedures to students during laboratory sessions and teach them how to use laboratory equipment and tools

PROJECTS:

Thesis Project (July 2022 – present): Cellular and Molecular Project – Signaling Cascade Mediating the Effect of TGF Beta on the Na⁺/K⁺ ATPase in Caco2 cells

Collaboration with American University of Ras Al Khaimah (UAE) (September 2022 – present): The effect of Miswak on sodium-potassium pump in Caco2 cells and the signaling pathway involved.

CERTIFICATES AND AWARDS:

- Certificates of participation in Lebanese American University (LAU) science fair for two consecutive years (2016-2017)
- Full Academic Scholarship from AUB (Graduate Fellowship and Assistantship Program Recipient) (2021)

ADDITIONAL SKILLS AND LANGUAGES:

Soft Skills: Communication, Active Listener, Adaptability, Teamwork, Critical Thinking, Leadership

Technical skills: Microsoft Office, R-Language, Excel

Interests: Traveling, playing football, watching tennis, swimming and watching movies

Languages: Arabic (native) – English (Fluent) – Turkish