



Abanoub Shaker

Date of birth: 18/08/1996 | **Nationality:** Egyptian | **Gender:** Male |

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● ABOUT ME

Driven by an insatiable curiosity and a relentless pursuit of scientific excellence, I am deeply committed to making meaningful contributions to the field of molecular biology. My diverse academic background, combined with hands-on research experience, equips me with the skills and determination to tackle complex challenges and drive innovation. With a firm belief in the power of collaboration and interdisciplinary approaches, I am eager to embark on new research endeavors that hold the potential to transform our understanding of cancer and pave the way for novel therapeutic interventions.

● WORK EXPERIENCE

15/09/2023 – CURRENT Cairo, Egypt

ASSISTANT LECTURER BADR UNIVERSITY IN CAIRO (BUC)

- **Teaching** : responsible for teaching undergraduate courses. This involves preparing and delivering lectures, conducting tutorials and assessing student performance through assignments, exams, and grading.
- **Student Engagement** : Engaging with students outside of class by holding office hours to provide additional help, mentoring students, and advising them on academic and career matters.
- **Research** : conducting research projects, publishing research papers, and attending conferences to present findings.
- **Administrative Duties** : handle administrative tasks related to courses, such as maintaining attendance records, coordinating with other faculty members, and managing class logistics.
- **Professional Ethics** : maintaining academic integrity, avoiding conflicts of interest, and promoting a respectful and inclusive learning environment.
- **Advising and Mentoring** : Providing guidance and mentorship to students who may seek academic or career advice .

01/12/2022 – 01/07/2023 Moscow , Russia

LAB RESEARCHER LABORATORY OF MOLECULAR BIOLOGICAL AND NEUROBIOLOGICAL PROBLEMS AND BIOSCREENING

- Conducted research focused on non-small cell lung cancer (NSCLC) with the goal of developing novel therapeutic approaches
- Investigated miRNA regulation and epithelial-mesenchymal transition (EMT) in lung cancer cells
- generation of 3D model structures i-e the Spheroids and 2D cell culture
- Utilized PCR and cDNA techniques for gene expression analysis in cancer cells.
- Performed DNA and RNA extraction from patient samples to study genetic variations.
- Proficiently used Gel Electrophoresis for DNA analysis and validation.
- Employed bioinformatics tools like Python to analyze and interpret research data.
- Collaborated with a multidisciplinary team to design and execute experiments.
- Presented research findings at conferences and contributed to publications.

01/11/2019 – 01/08/2021 Cairo, Egypt

CALIBRATION SPECIALIST AKHNATON TRADING AND REPRESENTATION

monitor, test and calibrate equipment of the pharmaceutical Factories according to Egyptian Accreditation Council (EGAC)

Summer Training for biotechnologists student in the factory departments :

- Research and development
- Ongoing stability
- Microbiology
- Quality control
- Validation

● EDUCATION AND TRAINING

01/10/2021 – 01/07/2023 Moscow, , Russia

MEDICAL BIOTECHNOLOGY MSC Moscow Institute of Physics and Technology (MIPT)

-GPA (4.95 out of 5)

-Master Thesis: "Evaluating of transcriptome profile and migration cell activity under the effect of miRNA-based delivery system on 3D cellular model"

Grade: Excellent (10 out of 10)

Address 9 Institutskiy per., Dolgoprudny, , 117303, Moscow, , Russia | **Website** <https://mipt.ru/english/>

01/09/2014 – 01/07/2018 Cairo, , Egypt

MOLECULAR BIOTECHNOLOGY BSC Helwan University

-Very good (Degree of honor) GPA (3.19 out of 4)

-4th Rank according to GPA

-5th Rank according to total points

-Graduation Project: "Nuclear Targeting Peptide Modified and Core Shell Drug Carrier For Targeted Doxorubicin Delivery" Grade: Excellent (10 out of 10)

Address Helwan Sharkeya, Helwan, , 4037120, Cairo, , Egypt | **Website** <https://www.helwan.edu.eg/en/home-3/>

01/09/2018 – 01/07/2019 Cairo, , Egypt

DIPLOMA IN BIOCHEMICAL ANALYSIS Helwan University

Address Helwan Sharkeya, Helwan, , 4037120, Cairo, , Egypt | **Website** <https://www.helwan.edu.eg/en/home-3/> |

Final grade Very Good

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Google drive | Remote working tools (Slack, Teams, Zoom, Meet, Discord) | Python Language - Basic knowledge | R language and R studio | Molecular techniques | Bioinformatic database

● ADDITIONAL INFORMATION

PUBLICATIONS

[Perspectives and directions of biobanking in case of rare types of cancer](#) – 2022

Doi: 10.25792/HN.2022.10.4.41–48

PROJECTS

09/2017 – 07/2018

Nuclear Targeting Peptide Modified and Core Shell Drug Carrier For Targeted Doxorubicin Delivery
Bachelor graduation project

10/2021 – 07/2023

Evaluating of transcriptome profile and migration cell activity under the effect of miRNA-based delivery system on 3D cellular model Master Thesis

HONOURS AND AWARDS

01/07/2023

Certificate of Appreciation – Moscow Institute of Physics and Technology (MIPT) For significant high achievements in scientific indicators of publication activity

01/08/2021

Master Track winner – Russian Scholarship Project Association "Global Universities" scholarship for studying a master degree

01/07/2018

Certificate of Appreciation from Helwan University – Helwan University for ranking 5th on my group

01/07/2018

Certificate of Appreciation – Helwan University for winning Science Operation Leaders in Egypt (SOLE) Competition

COMMUNICATION AND INTERPERSONAL SKILLS

Effective Verbal Communication

- Demonstrated strong verbal communication skills during my role as a Research Assistant.
- Presented complex scientific concepts effectively to a diverse audience of faculty members and fellow researchers at the department's annual symposium.
- Ensured clear and concise communication, making research findings accessible to both experts and non-experts.

Presentation Skills

- Showcased research and presentation skills during the defense of my master's thesis titled "Evaluating transcriptome profile and migration cell activity under the effect of miRNA-based delivery system on 3D cellular model" at MIPT.
- Adeptly presented research findings, methodologies, and conclusions to a panel of esteemed faculty members and peers.
- Through a well-structured and articulate presentation, effectively communicated the significance and contributions of the research, fostering a comprehensive understanding among the audience.

Active Listening

- Utilized active listening as an integral part of my role as an Assistant Lecturer to enhance interactions with students and faculty.
- Consistently applied active listening techniques during tutorial sessions and one-on-one student consultations to understand questions, concerns, and learning styles.
- Fostered a positive and supportive learning environment, contributing to improved academic outcomes for students.

Leadership and Mentoring

- Mentored junior graduate students in laboratory techniques, research methodologies, and data analysis methods during my role as a Graduate Researcher.
- Provided guidance through regular meetings and constructive feedback to help mentees develop critical research skills, contributing to their academic and research achievements.
- Facilitated the presentation of findings at conferences and the publication of research papers for several mentees, showcasing the impact of my mentorship.

REFERENCES

Referee 1

Dr. Elena Petersen

University : Moscow Institute of Physics and Technology (State University), Moscow , Russia

Email : elenapetersen@proton.me

Referee 2

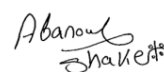
Prof. Ahmed Hassan

University : Helwan University, Cairo, Egypt

Email : Professor_ahmed85@science.helwan.edu.eg

I am passionate about continuous learning and professional development, dedicated to achieving excellence in my field. Eager to contribute my skills, experience, and enthusiasm to a dynamic team and grow with an organization committed to innovation and success

Cairo , Egypt , 13/02/2024



Abanoub Shaker