

PERSONAL INFORMATION



Ahmed Samir Mohamed Sayed

📍 1, University street, 12613 Giza (Egypt)

☎ 1159261768

✉ asmohamed@sci.cu.edu.eg

💬 Skype ahmedsamier1995_1

STUDIES APPLIED FOR

NU POSTGRADUATE SCHOLARSHIP

WORK EXPERIENCE

02/2019–Present

Research Assistant

Biophysics Department, Faculty of Science, Cairo University., Giza (Egypt)

Project name: "Computational Characterization of Viral Protein."

Utilizing the Bioinformatics tools available to find a potential target for drug design in the Influenza A Virus. Molecular Modeling, Molecular Docking, and Drug Design are the main keywords.

11/2017–Present

Teaching Assistant

Biophysics Department, Faculty of Science, Cairo University., Giza (Egypt)

Supervising undergraduates during experimental work in lab, in addition to organization, research and administration-related tasks

11/2017–07/2018

Research Assistant

Biophysics Department, Faculty of Science, Cairo University., Giza (Egypt)

Project name: "Evaluation of the Therapeutic effect of the Low-Level Laser (LLL) in Rotenone-induced rat model of Parkinson's disease. Monoamines, Mitochondrial dysfunction and, Heat Shock Proteins (HSP) analytical study."

The project aimed to depend on the Photobiomodulation to enhance the clinical condition of Rotenone-induced rat model of Parkinson's disease.

The project has not been completed due to the lack of fund.

30/10/2016–01/09/2017

Customer service representative

Uber Misr Community Operations Center LLC, Cairo (Egypt)

-Trainer, Trainee and participant in paper work.

06/2016–03/2018

Research Assistant

Biophysics Department, Faculty of Science, Cairo University., Giza (Egypt)

Project name: "Preparation and characterization of Glycerol-plasticized (Starch/Chitosan/Gelatin) thin films. "

The project aimed to blend different concentrations of three biodegradable materials, and compare their effectivity in the wound healing. The project has been completed and the findings were written in a paper article that is under review now.

EDUCATION AND TRAINING

- 09/2018–10/2018 **International student practice at JINR, Stage 3.**
 Joint Institute of Nuclear Research., Moscow (Russia)
Participant in the summer school in the lab of Radiation Biology to conduct a Computer Modeling based project of Radiation Biophysics using Geant4.

- 09/2017–06/2018 **Pre-Master's coursework**
 Biophysics Department, Faculty of Science, Cairo University., Giza (Egypt)
Specialization: Molecular Biophysics.

- 09/2012–06/2016 **BSc in Biophysics**
 Biophysics Department, Faculty of Science, Cairo University., Giza (Egypt)
A four years Bachelor program.

- 02/02/2016–12/02/2016 **Theoretical and practical training on cancer therapy and drug delivery followed, and brain stimulation and rehabilitation research developed at IBEB.**
 Institute of Biophysics and Biomedical Engineering (IBEB), University of Lisbon, Portugal., Lisbon (Portugal)
A concentrated training on the featured techniques developed by the institute related to cancer therapy, drug delivery and brain stimulation and rehabilitation.

- 01/08/2015–15/09/2015 **Theoretical and practical training on cancer radiotherapy.**
 Military hospital of Maadi/ Governmental hospital., Giza (Egypt)
Training topics: Cancer Biology, Radiation Dosimetry, Radiotherapy planning, Linear accelerator (LINAC) setups, radiotherapy planning for various cases.

- 01/08/2014–30/08/2014 **Theoretical and experimental training on the biomolecular basics of the visual system.**
 The Research center of ophthalmology. (ramad)., Giza (Egypt)
Training topics : Molecular Biology, Visual system illustration, dealing with lab animals, analysis of different types of molecular data.

PERSONAL SKILLS

Mother tongue(s) Arabic

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	B2	B2	B2	B2
IELTS					
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills -Experienced in utilizing Bioinformatics tools.

- Data analysis of Biophysical techniques.
- Research skills for both business and scientific topics.
- experienced in working with mice during my previous project in the field of Neuroscience.
- Advanced knowledge of Google sheets and their use in different disciplines.
- Programming skills MATLAB, Python(Learning)
- experience in using Computational tools ex: Geant4-DNA toolkit.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Proficient user	Basic user	Basic user	Proficient user

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Teaching Experience

2017 to present

Teaching Assistant at Biophysics Department, Faculty of Science, Cairo University.

-Planned and implemented a new laboratory system in which the students were satisfied and at their top level.

-Hands-on laboratory experiments.

-Revised and modified more than one experiment in the 2nd year, and 3rd Year.

The experiments in the lab ranged from pure physics to Biophysics, Statistical analysis, and Bioinformatics.

2018 to present

Teaching Assistant at the Faculty of Physical Therapy, Egyptian Chinese University.

-Planned the experimental curriculum of the lab of Biophysics for the 1st semester and 2nd semester under the supervision of Dr. Mohamed Mahmoud Fathy.

Publications

Heba Fahmy, Amena Elfaky, Amira Mustafa, Esraa Abu Serea, Merna Abd El-Hamed, Ahmed Mohamed., Preparation and characterization of Glycerol-plasticized (Starch/Chitosan/Gelatin) thin films, Submitted to bulletin of Materials Science.

Workshops and Conferences

July 2019 Participated in a workshop "EG-CompBio: Empowering Computational Biology and Bioinformatics in Egypt." Sponsored by DAAD, Al Azhar University, Cairo, Egypt.

July 2019 Participated in a workshop "Statistical Analysis for Biological Experiments" Cairo University, Cairo, Egypt.

April 2019 Organized and participated with a poster and presentation in "The First Student's Scientific Conference for Biophysics and Related Sciences" Cairo University, Cairo, Egypt.

Jan 2019 Participated in a workshop "Crisis Management", Cairo University, Cairo, Egypt.

Sep 2018 Participated in the "International student practice at JINR, Stage 3" In the Radiation Biology lab, Joint Institute of Nuclear Research, Dubna, Russia.

Sep 2018 Participated in a workshop "Management of work stress", Cairo University, Cairo, Egypt.

Aug 2018 Participated in a workshop "Creative Thinking", Cairo University, Cairo, Egypt.

Jan 2019 Participated in a workshop "International Publication guidelines", Cairo University, Cairo, Egypt.

July 2016 Participated as a volunteer in a workshop "Step in advance" It was held by the

Scientific Society of Biophysics. Cairo University, Cairo, Egypt.

Feb 2016 Participated in "*Theoretical and Practical Training on Cancer Therapy, Drug delivery followed, Brain Stimulation and Rehabilitation Research developed at IBEB*" Institute of Biophysics and Biomedical Engineering, Lisbon University, Portugal.

Sep 2015 Participated in a workshop "*Practical Experience in Medical Physics*" held by Biophysics Department. Cairo University, Cairo, Egypt.

July 2015 Participated in "*Theoretical and Practical Training on Cancer Radiotherapy*", Maadi Military Hospital, Giza, Egypt.

July 2014 Participated in "*Theoretical and Experimental Training on the Biomolecular basics of the Visual System*" The Research Center of Ophthalmology. Giza, Egypt.

Social and Extracurricular activities

-Infinity CU and Creative Minds CU– - Student activities assigned to help students know more about the faculty and to reduce the gap between them and the work requirements. Many positions were occupied in both activities; starting from a marketing committee member gone through Hr member, Pr member, and ended as the Vice president of the whole activity.

-Resala for Charity affairs: a volunteer in this NGO to help underprivileged people in the poorest regions of Egypt.

References

Dr. Wael Elshemey,

Professor.

Department of Biophysics

Cairo University

welshemey@sci.cu.edu.eg

Phone: 01001560029

Dr. Abdo Elfiky,

Lecturer

Department of Biophysics

Cairo University

abdo_sh_bio@yahoo.com

Phone: 01003260523