

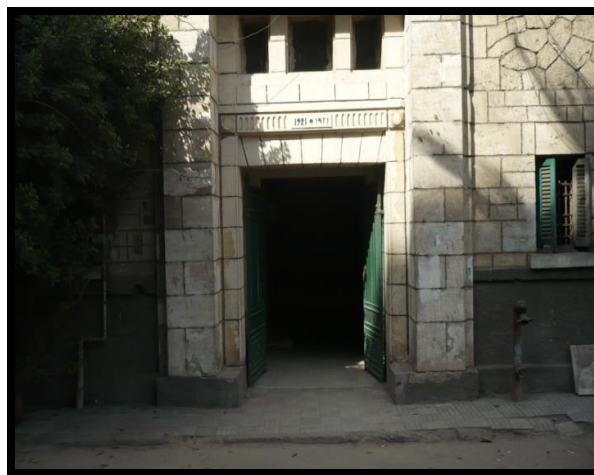
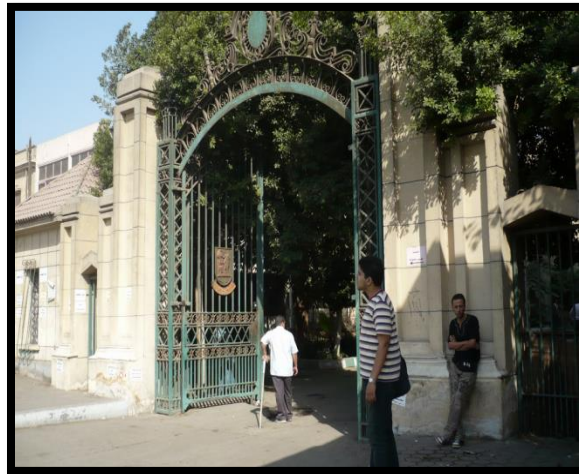
The Department of Physiology

By

Esmat Seifelnasr And Mohamed Saleh

The Department of Physiology is a part of the College of Veterinary Medicine at Cairo University. It offers and participates in courses and programs of study for undergraduate and postgraduate students

The Old Building



History of Department of Physiology

We are currently compiling a history of our department based upon the contributions of those individuals associated with the department in some official capacity since its inception. It is our specific intent to elucidate the development of the Physiology department .

The main approach will be to document the role of each individual in our shared endeavor.

In the year 1921, the School of Veterinary Medicine was established in the **university street** in Giza , Physiology and Biochemistry was the first department to be established in that School in (The Egyptian University) near Giza square.

In the year 1992 the two departments of Physiology and Biochemistry were separated.

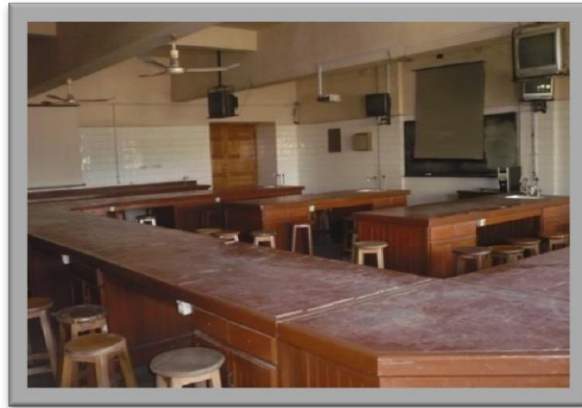
The Old Building (Lecturers Hall)



At the year **1998** the department of physiology was extended to the new **building** occupying the third floor , which contains :the student laboratories ,the research laboratories and the room of the head of the department and all rooms of the staff members of the department.



The New Building



In 1944 and for several years an English medical doctor **professor Dr. Matthews Wilson** had been teaching and supervising twice a week the department of physiology and biochemistry (It is said that he was at that time nearly ninety years old). He was managing director of the Faculty of Medicine,(Kasr El Aini).

After that around (1950) another medical doctor **Dr. Yousef Sedky** had received his doctorate from England in biochemistry and became head of the department of physiology and biochemistry and was teaching physiology .

Dr. Sedky was assisted only by two demonstrators .

Doctor Mahmoud Elghamry and Doctor Helmy Badawy.

Prof. Doctor **Elghamry** obtained a mission to Yugoslavia where he obtained the D.sc. in Physiology for the first time all over Egypt and came back to Cairo University in 1963 . At the year 1973 he left Cairo University to Zagazig University to be the Head of the physiology department .

Prof. Doctor **Helmy Badawy** left also to Germany in a mission for obtaining the Doctor Degree in Anatomy on the expense of Assyut University. Then he was promoted to be **the Dean of the Fac. of Vet. Med.** And then **Vice president of Assyut Univ.** He was also selected to be **Cultural Consultant** in one of our Embassies in Europe.

In 1960 **Prof. Dr. Mohamed Zaki Barakat** gained the chairmanship of the Department of Physiology and Biochemistry. He was a **professor of Pharmacology teaching biochemistry** both in Fac. of Veterinary Medicine and in the Faculty of human Medicine.

Professor Barakat was assisted by a number of physiologists for the teaching of physiology

Prof. Hamed Nasr, Dr. Foad Atallah ,Dr. Yousry Hamed , who left to Assyut University. **Dr. Magdy Khalaf,**

Professor Doctor Samy Abdo: The first staff member who obtained his Ph.D. under the supervision of Prof. Dr. Hamed Nasr. He left the faculty to the Kingdom of Saudi Arabia where he took a prominent post in Veterinary Medicine.

Dr. Laila Abdel-Latif Lotfy (1961-1973)

- It is worth mentioning that Dr. Laila Abdel-Latif Lotfy, was the first female appointed as a member of the teaching staff in the Physiology department .
- She was graduated from Hannover in Germany
- She was Promoted to assistant professor and passed away in 1973.

From these step by step beginnings of the lecturers and at the year 1963 , the department of Physiology was developed into a relatively large institution

under the leadership of **Prof. Dr. Hamed Nasr**, the **first veterinary Chairman** of the Physiology and Biochemistry Department.

Professor Doctor Hamed Nasr
(1963-1980)



- He got his Ph.D. from England. In addition of his work as a Chairman of the department; he was promoted as **Vice Dean of the faculty** during the period from 1970 to 1971. Professor Nasr was interested in digestive system.
- He supervised and published many researches and dissertations in different branches of physiology. He shared in the establishment of the departments of the Faculty of Vet. Med. At Assyut Univ.
- His scientific activities enriched the department with many updated subject at that time. He shared in the establishment of the faculty of veterinary medicine at Hama in Syria .
- Under his management of the Department of Physiology the number of the staff was enriched by a number of demonstrators namely:

Dr. Samy Abdo , who left to Kingdom of Saudi Arabia.

Dr. Samy Elmogy, (1964) who left to Zagazig University.

Dr. Hamed Tantawy, (1964) who left to the Dept. Of Virology

Dr. Sanaa Nassar (1965) who left to Assyut University.

Dr. Esmat Seifelnasr (1966)

Dr. Sohair Yousef Saleh (1966)

Dr. Soad Awad Mansour (1968)

Professor Doctor Samy Elmogy (1964-1970)

Prof. Elmogy obtained his PhD from Cairo University under the supervision of Prof. Dr. Hamed Nasr. He left to the University of Zagazig where he was promoted to be *the vice dean of the Faculty* of Veterinary Medicine

Another gushes of demonstrators took their roles in the department in successive years

- | | |
|-------------------------|---------------------------|
| 1.Dr. Hussein Heshmat | 2.Dr. Helmy Salem |
| 3.Dr. Ahmed Abdelfattah | 4.Dr. Nahed Eltokhy |
| 5.Dr. Afaf Azzoze | 6.Dr.Hoda Hatem |
| 7.Dr. Mohamed Younis | 8.Dr. Atef Aziz Saleeb |
| 9.Dr. Abdelkader Ahmed | 10.Dr. Amal Elnahlah |
| 11.Dr. Nadia Taha | 12.Dr. Hassan Abbas |
| 13.Dr. Mahmoud Zaghlool | 14.Dr. Kamal Attia |
| 15.Dr. Gamal Essawy | 16. Dr. Mahmoud Adelhafiz |
| 17. Dr.Fathy Fadlalla | 18.Dr.Franswa Amin |

Now the physiology department is developed and the number of the staff increased to be as the following:

• Professors and Emeritus professors are 17

- | | |
|---------------------|------------------------|
| 1.Ali Farahat | 2. Esmat Seifelnasr |
| 3.Sohair Saleh | 4. Soad Awad |
| 5.Nahed Eltokhy | 6. Hodaallah Hatem |
| 7.Afaf Azzoze | 8. Atef Aziz Saleeb |
| 9.Helmy Salem | 10.Abelkader Ahmed |
| 11.Nadia Ahmed Taha | 12.Mahmoud Zaghlool |
| 13.Kamal Attia | 14.Hassan Abbas |
| 15. Gamal Essawy | 16.Mahmoud Abdelhafeez |
| 17.Franswa Amin | |

Lecturers are two:

- 1.Fatma Wahba
- 2.Rehab Ali ghandoor

Assistant Lecturers are four:

- | | |
|-----------------------|--------------------|
| 1.Manal Ramadan | 2.Sarah Elsayed |
| 3.Shereif Elmosallamy | 4.Salma Elsamanody |

The demonstrators are three in number:

1. Neven Hassan
2. Asmaa Safwat
3. Aya Khalil

Members of the department selected to occupy Eminent positions

- **Vice Dean of our Faculty**

1-Prof. Dr. Hamed Nasr 2-Prof. Dr. Kamal Attia

- **Cultural Consultant in USSR**

- Professor Dr. Ali Farahat

- **Dean of Faculties of Girls at Kingdom of Saudi Arabia:**

1- Prof. Dr. Esmat Seifelnasr

2- Prof. Dr. Sohair Saleh

3-Prof. Dr. Nahed Eltokhy

- **Consultant of head of Cairo University for students hostels:**

Prof. Dr. Esmat Seifelnasr

Members Promoted from Foreign Universities

- Prof. Dr. Hamed Nasr →England
- Prof. Dr. Fuoad Atallah Soliman →U.S.A
- Prof. Dr. Magdy Khalaf Soliman →Germany
- Prof. Dr. Ali Farahat →Russia
- Prof. Dr. Helmy Salem →Germany

Prof. Dr. Kamal Attia



International biographical center Cambridge England(2003).

State Incentive Award (Jan.1998)

Registered in Marquis who is who biography Jan. 2002

Vice Dean for education and students affairs (2012)

International publication awards, Cairo University Issue I(2007)

Staff Members Transferred from the physiology department in Cairo University to other Universities

- 1.Prof Dr. Yousry Hamed→ Vice President of Asyut Univ.
- 2.Prof.Dr. Mahmoud Elghamry→ Head of phys. Dep. Zagazig Univ.
- 3.Prof.Dr. Samy Elmogy→ Vice Dean of Fac. of vet Med. Zagazig Univ.
- 4.Prof.Dr. Samy Abdo → Saudi Arabia
- 5.Pro.Dr. Sanaa Nassar→ Head of the Dep. Of Phys. Asyut Univ.
- 7.Pro.Dr.. Amal Elnahlah→ Head of the Phys. Dep. Fac. Of Vet. Med. Suez Canal Univ.

Members of the Physiology Staff Passed Away

- Dr. Laila Lotfy
- Prof. Dr. Foad Atallah Soliman
- Prof.Dr. Sanaa Nassar
- Prof.Dr. Mohamed Younis
- Prof. Dr. Gamal S. Essawy
- Prof. Dr. Hamed Nasr
- Prof. DR. Magdy Khalaf
- Prof. Dr. Mahmoud Elghamry
- Prof. Dr. Fathy Fadlallah

Throughout its history, the Department of Physiology has maintained a strong record in teaching while contributing significantly to research.

A number of faculty members hold external research funding and the scope of their research has covered most of the basic and applied areas of physiology.

Also, the undergraduate degree programs continue to be popular choices of students in the sciences, especially those planning to follow careers in the veterinary medicine professions.

Faculty members of the Department of physiology maintain active research programs covering a wide range of topics with emphasis on:

- 1-Myophysiology deals with the operation of Muscles
- 2-Neurophysiology concerns the physiology of brains and nerves
- 3-Cell physiology addresses the functioning of individual cells
- 4-Comparative or Environmental Physiology examines how animals adapt to their environment

- 5-Membrane physiology focuses on the exchange of molecules across the cell membrane
- 6-Fish physiology.
- 7.Respiratory physiology :mechanics of gas exchange at the cellular level and also at a gross anatomic level within the lungs
- 8.Cardiovascular physiology, deals with the heart, blood and blood vessels and issues arising.
- 9.Renal physiology focuses on the excretion of ions and other metabolites at the kidney
- 10.Endocrinology covers endocrine hormones which affect every cell in the body
- 11.Neuroendocrinology concerns the complex interactions of the neurological and endocrinological systems which together regulate homeostasis.
- 12.Reproductive physiology concerns the reproductive cycle
- 13.Exercise physiology addresses the mechanism and response of the body to movement
- 14.Digestive physiology in simple and compound stomached animals.
- 15.Birds physiology.
- 16-Behavioral physiology.

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