

PERSONAL CONTACTS

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EDUCATION

August 2018,	University of Illinois at Urbana Champaign Neuroscience Ph.D. Ph.D. expected May 2022
September 2017,	University College London "UCL" London, UK MSc Advanced Neuroimaging MSc expected September 2019
February 2017 – May 2020	The European Association of Neurosurgical Societies European Board of Neurological Surgery "EBNS" Fellow of European Board of Neurological Surgery "FEBNS" Expected 2020
January 2017	Educational Commission for Foreign Medical Graduates Philadelphia, PA, USA ECFMG certificate awarded January 23 2017 Step 3 passed February 2018
2007- 2016	The University of Alexandria Faculty of Medicine Alexandria, Egypt Bachelor of medicine and surgery "MBBCh" MBBCh awarded May 2016

EMPLOYMENT EXPERIENCE

January 2017- present	The University of Alexandria Main University Hospitals University of Alexandria, Alexandria, Egypt. Job title: Neurosurgery Intern
November 2016- January 2017	Mercy Medical Center, NY Brooklyn, NY. Job title: Primary care provider, Internal Medicine and Pediatrics Physician.
May 2014 - June 2015	The Johns Hopkins Hospital Wilmer Eye Institute Baltimore, Maryland, USA Job title: Research Trainee Role: CRISPRs genetic engineering of retinal ganglion cells to promote neuronal survival Lab: Donald Zack's lab The Robert H. and Clarice Smith Building PI: Donald Zack, M.D., Ph.D. Guerrieri Professor of Genetic Engineering & Molecular Ophthalmology Professor of Ophthalmology Derek Stuart Welsbie, M.D., Ph.D. Assistant professor of Ophthalmology

PUBLICATIONS

Peer Reviewed Journal Articles/Abstracts

Welsbie, D.S., Mitchell, K.L., Ranganathan, V., Kim, J., Buehler, E., Martin, S.E., Patel, A., Zhang, P., Yang, Z., Ge, Y., Duan, Y., Fuller, J., Hamed, E.E., Lei, L., Fraser, I., Ronai, Z.A., Berlinicke, C.A. and Zack, D.J. "Enhanced functional genomic screening identifies novel mediators of dual leucine zipper kinase-dependent injury signaling in neurons." *Neuron* Volume 94, Issue 6, 21 June 2017, Pages 1142–1154.e6.

RESEARCH EXPERIENCE

July 2015

"Stem cells; From basic biology to translational research."

Science lecture series

Foundation for research and technology-Hellas
Institute of Molecular Biology and Biotechnology
Heraklion, Crete, Greece.

February 2013,

"The Kidney Protection Program of Alexandria (KiPP-Alex)"

Faculty of medicine, university of Alexandria, Alexandria, Egypt.

Sponsor: The Egyptian Society of Nephrology and Transplantation **"ESNT"** in collaboration with the **WHO**.

Principal investigator: H. Elwakeel, PhD
Role: Investigator

A clinico-epidemiological study and a screening program for chronic kidney disease, hypertension, diabetes mellitus and dyslipidemia aiming at promoting preventive medicine, detection of the target non-communicable diseases at early stages and conducting a cross-sectional study using the gathered data.

March 2012 –
May 2012

" The future researcher project "

Alexandria Medical Student Research Association "AMSRA"

Faculty of medicine, University of Alexandria, Alexandria, Egypt.

Duration: 12 weeks.

Skills acquired: Writing a scientific paper and Making a scientific presentation.

Knowledge acquired: Research ethics, Legal issues, health research methodology, study sample, Epidemiological study design and evidence based medicine.

CLINICAL EXPERIENCE

May 2018

EANS European Training Course in Neurosurgery in Functional Neurosurgery

Belgrade, Serbia

May 2018

Midas Rex Hands-on Neurosurgery Drilling Workshop

Belgrade, Serbia

May 2017

Midas Rex Hands-on Neurosurgery Drilling Course

Orea Hotel Pyramida
Prague, Czech Republic

May 2017	EANS European Training Course in Neurosurgery in Spine and Peripheral Nerve Orea Hotel Pyramida Prague, Czech Republic
April 2014 – May 2014	Clinical Neurology Subinternship (N-102) Memorial Sloan Kettering Cancer Center New York, NY, USA
March 2014	Adult Neurology Visiting Medical Student Clerkship Mayo clinic Rochester, Minnesota, USA
June 2013 - August 2013	Obstetrics and Gynaecology core clerkship El Shatby women and children hospital, university of Alexandria, Alexandria, Egypt.
April 2013 - June 2013	General surgery core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.
March 2013	Orthopedic surgery core clerkship Queen Nariman hospital, university of Alexandria, Alexandria, Egypt.
March 2013	Cardiothoracic surgery core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.
February 2013	Neurosurgery core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.
February 2013	Anesthesia core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.
November 2012 – January 2013	General surgery core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.
May 2012 – July 2012	Pediatrics core clerkship El Shatby women and children hospital, university of Alexandria, Alexandria, Egypt.
April 2012 – May 2012	Internal medicine core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.
March 2012	Dermatology core clerkship Main university hospital, university of Alexandria, Alexandria, Egypt.

February 2012 **Pulmonology core clerkship**
Main university hospital, university of Alexandria, Alexandria, Egypt.

January 2012 **Neurology and psychiatry core clerkship**
Queen Nariman hospital, university of Alexandria, Alexandria, Egypt.

December 2011 **Cardiology core clerkship**
Main university hospital, university of Alexandria, Alexandria, Egypt.

**October 2011 –
December 2011** **Internal medicine core clerkship**
Main university hospital, university of Alexandria, Alexandria, Egypt.

June 2011 **Otolaryngology clerkship**
Main university hospital, university of Alexandria, Alexandria, Egypt.

**October 2010 –
December 2010** **Ophthalmology clerkship**
Main university hospital, university of Alexandria, Alexandria, Egypt.

COURSES

**November 2012 –
January 2013** **Health in Numbers: Quantitative Methods in Clinical & Public Health
Research, PH207x, Harvard School of Public Health.**

Instructors: Marcello Pagano, PhD, professor of statistical computing, department of biostatistics, Harvard School of Public Health.
E. Francis Cook, SD, professor of epidemiology, department of epidemiology, Harvard School of Public Health.

Duration: 12 weeks.
Pass, Grade: 89%

Skills acquired: Using the statistical package Stata to analyze descriptive and graphical data and perform inferential statistical methods. Developed the ability to describe the most common uses of numerical methods needed to describe Clinical and Public Health research methods.

Summer 2012 **“Up to date” workshop**
Faculty of medicine, university of Alexandria, Alexandria, Egypt.
Introducing “up to date” into clinical practice as an evidence-based clinical decision support resource authored by physicians to help healthcare practitioners make the best decisions at the point of care.

CONFERENCES AND NATIONAL MEETINGS

- May 2 2015 – May 7 2015** **The Association for Research in Vision and Ophthalmology "ARVO" Annual Meeting**
Colorado Convention Center, Denver, Colorado, USA; May, 2015.
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- May 1 2013 – May 3 2013** **"Targeted therapy: Action & protection".
"Workshop: nutrition for oncology patients and safe handling of cytotoxic drugs". The annual oncology meeting of Alexandria society for cancer patient care.**
Hilton Hotel, Alexandria, Egypt; May, 2013.
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- April 2013** **SurgiAlex 2013.**
Convention centre, faculty of medicine, university of Alexandria, Alexandria, Egypt; April 2013.
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- January 2013** **SurgiAlex 2013.**
Faculty of medicine, university of Alexandria, Alexandria, Egypt; January 2013.
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- November 7 2012-
November 9 2012** **17th annual scientific conference of the Egyptian Association of Endocrinology, Diabetes and Atherosclerosis "EAEDA" in collaboration with the European Association for the Study of Diabetes "EASD", International Society of Endocrinology "ISE" and European Society of Endocrinology "ESE".**
Four Seasons Hotel, Alexandria, Egypt; November, 2012.
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- June 5 2012 – June 8 2012** **CardioAlex 2012 conference.**
Bibliotheca Alexandrina, Alexandria, Egypt; June 2012
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- April 2011** **The 23rd annual meeting of the Egyptian Society of Ocular Implants and Refractive Surgery "ESOIRS".**
Hilton Hotel, Alexandria, Egypt; April 2011
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- December 23 2010-
December 24 2010** **The 2nd Alexandria Retina Meeting.**
Four Seasons Hotel, Alexandria, Egypt; December 2010
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- October 2008** **"The heart from anatomy to practice "**
Faculty of medicine, University of Alexandria, Alexandria, Egypt; October 2008
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- April 2006** **"AIDS"**
Convention centre, Faculty of medicine, University of Alexandria, Alexandria, Egypt; April 2006

PRESENTATIONS

- April 2014** **Hamed, Eman, et al. "Neurological Case Presentation Discussion." Department of Neurology, NewYork-Presbyterian Hospital, Weill Cornell Medical College, New York, NY, United States. Apr. 2014.**

- April 2014** **Hamed, Eman.** "Ifosphamide Encephalopathy and the Biochemical Role of Methylene Blue in the Treatment of Iphosphamide Induced Encephalopathy" Department of Neurology, Memorial Sloan Kettering Cancer Center, New York, NY, USA. Apr. 2014.
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- April 2014** **Hamed, Eman.** "Cerebellar Aphasia." Department of Neurology, Memorial Sloan Kettering Cancer Center, New York, NY, USA. Apr. 2014.
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- April 2014** **Hamed, Eman.** "Brachial Plexopathy." Department of Neurology, Memorial Sloan Kettering Cancer Center, New York, NY, USA. Apr. 2014.
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- April 2014** **Hamed, Eman.** "Differential Diagnosis of Encephalopathy." Department of Neurology, Memorial Sloan Kettering Cancer Center, New York, NY, USA. Apr. 2014.
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- March 2014** **Hamed, Eman.** "Anti-NMDA Receptor Encephalitis." Department of Neurology, Saint Mary's Hospital, Mayo Clinic, Rochester, Minnesota, United States. Mar. 2014.
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- April 2013** **Hamed, Eman.** "Anal Fistula." Department of Surgery, Faculty of Medicine, University of Alexandria, Alexandria. Apr. 2013.
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- March 2013** **Hamed, Eman,** and Andrew Malak. "Coronary Artrey Bypass Graft." Department of Cardiothoracic Surgery, Faculty of Medicine, University of Alexandria, Alexandria. Mar. 2013.
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- February 2013** **Hamed, Eman.** "Respiratory Complications of General Anesthesia." Department of Anesthesia, Faculty of Medicine, University of Alexandria, Alexandria. Feb. 2013.
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- June 2012** **Hamed, Eman.** "Glucose 6 Phosphate Dehydrogenase Deficiency." Department of Pediatrics, El Shatby Hospital, University of Alexandria, Alexandria. June 2012
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- April 2012** **Hamed, Eman.** "Differential Diagnosis of Dysphagia." Department of Internal Medicine, Faculty of Medicine, University of Alexandria, Alexandria. Apr. 2012.
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- December 2011** **Hamed, Eman.** "Multiple Myeloma." Department of Internal Medicine, Faculty of Medicine, University of Alexandria, Alexandria. Dec. 2011.
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- May 2011** **Hamed, Eman.** "Nasopharyngeal Carcinoma." Department of Otolaryngology, Faculty of Medicine, University of Alexandria, Alexandria. May 2011.
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- March 2011** **Hamed, Eman,** et al. "The Swine Flu (H5N1) and the Avian Flu (H1N1) Pandemics." Department of Community Medicine, Faculty of Medicine, University of Alexandria, Alexandria. Mar. 2011.
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- February 2011** **Hamed, Eman,** et al. "Generalized Lymphadenopathy." Department of Internal Medicine, Faculty of Medicine, University of Alexandria, Alexandria. Feb. 2011
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- January 2011** **Hamed, Eman.** "Estimation of the Time of Death at the Crime Scene." Department of Forensic Medicine and Toxicology, Faculty of Medicine, University of Alexandria, Alexandria. Jan. 2011.
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- November 2010** **Hamed, Eman.** "Red Eye ; Acute Glaucoma." Department of Ophthalmology, Faculty of Medicine, University of Alexandria, Alexandria. Nov. 2010.
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- June 2010** **Hamed, Eman.** "Malaria." Department of Parasitology, Faculty of Medicine, University of Alexandria, Alexandria. June 2010.
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- May 2010** **Hamed, Eman.** "The Art of Anti Anginal Drugs Combination." Department of Pharmacology, Faculty of Medicine, University of Alexandria, Alexandria. May 2010.
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- February 2010** **Hamed, Eman, et al.** "Varicella Zoster Virus." Department of Microbiology, Faculty of Medicine, University of Alexandria, Alexandria. Feb. 2010.
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- December 2009** **Hamed, Eman, et al.** "Molecular Mechanisms of Oncogenesis" Department of Pathology, Faculty of Medicine, University of Alexandria, Alexandria. Dec. 2009.
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- June 2009** **Hamed, Eman, et al.** "Glucose Metabolism." Department of Biochemistry, Faculty of Medicine, University of Alexandria, Alexandria. June 2009.
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- May 2009** **Hamed, Eman, et al.** "Acne." Department of Histology, Faculty of Medicine, University of Alexandria, Alexandria. May 2009.
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- April 2009** **Hamed, Eman.** "Circadian Rhythm " Department of Physiology, Faculty of Medicine, University of Alexandria, Alexandria. Apr. 2009.
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- January 2009** **Hamed, Eman.** "Cranial Nerve Injuries." Department of Human Anatomy and Embryology, Faculty of Medicine, University of Alexandria, Alexandria. Jan. 2009.
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- November 2007** **Hamed, Eman.** "Polycythemia." Department of Physiology, Faculty of Medicine, University of Alexandria, Alexandria. Nov. 2007.
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EXTRACURRICULAR

- February 2013,** **World kidney day, March 14 2013 “Acute kidney injury”**
 Role : Organizer
 Goal : Promoting preventive medicine through warning the public of the consequences of acute kidney injury and the methods of prevention of the former disease.
 Organizing the project activities which are designed to occur throughout the year and target all age groups in schools, clubs and gatherings through health talks, workshops, group discussions and sports events.
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- December 2012** **“Research Qwest: How to model your research”**
Lecturer : Professor Mohamed E. Elsharqawy, Professor of electrical engineering, university of Washington
Bibliotheca Alexandrina, Alexandria, Egypt.
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- Fall 2012** **Meeting the former president of the university of Alexandria and discussing the future perspectives of research and the development of the health care system.**
Faculty of engineering, university of Alexandria, Alexandria, Egypt.
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- Fall 2012** **Meeting the head of the oncology department and discussing the future plans of renovating the oncology department in our main university hospital and establishing a new building to help raise the quality of care offered to the cancer patients.**
Faculty of medicine, university of Alexandria, Alexandria, Egypt
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- Fall 2012** **Meeting the head of medical care system and medical education system development to discuss the future perspectives of raising the quality of the medical care and establishing an Egyptian examination boards.**
Convention centre, faculty of medicine, university of Alexandria, Alexandria, Egypt.

HONORS

- June 2011** Ophthalmology
Ear, Nose and throat
- May 2010** Pathology, Pharmacology, Microbiology and parasitology.
- May 2009** Behavioral science
- May 2009** Human anatomy and embryology, Physiology
- May 2008** Human anatomy and embryology, Physiology

PROFESSIONAL MEMBERSHIPS

The European Association of Neurosurgical Societies “EANS”
Kortrijksesteenweg 1142 Bus 5 9051 Gent Sint- Denijs-Westrem Belgium
EANS individual member

The Association for Research in Vision and Ophthalmology "ARVO"
Rockville Pike, Rockville, MD, United States.
Member in training

Alexandria Neuroscience Committee “ANC”
Alexandria University Faculty of Medicine, Alexandria, Egypt.
Member

Alexandria Medical Student Research Association “AMSRA”
Alexandria University Faculty of Medicine, Alexandria, Egypt.

Egyptian society of child neuropsychiatry “ESCNP”

Alexandria University Faculty of Medicine, Alexandria, Egypt.

Member

PERSONAL

Interests Photography, Hiking, Travelling to new places, Sightseeing, Playing squash.

Language skills

Arabic	Mother tongue
English	Fluent
French	Conversational
