

PERSONAL CONTACTS

Eman Hamed,
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EDUCATION

August 2018-
December 2022

University of Illinois at Urbana Champaign
Neuroscience Ph.D.
Ph.D. May 2023 "GPA 3.72"

September 2017,

University College London "UCL"
London, UK
MSc Advanced Neuroimaging
MSc expected May 2024

February 2017 –
May 2020

The European Association of Neurosurgical Societies
European Board "EBNS"
Fellow of European Board of Neurological Surgery "FEBNS" part 1

January 2017

Educational Commission for Foreign Medical Graduates
Philadelphia, PA, USA
ECFMG certificate awarded January 23 2017
Step 3 passed February 2017

2007- 2016

The University of Alexandria Faculty of Medicine
Alexandria, Egypt
Bachelor of medicine and surgery, MD
MD awarded May 2016 "GPA 3.81"

EMPLOYMENT EXPERIENCE

July 2023-present

Jersey Shore University Medical Center
Hackensack Meridian Health
Child Neurology resident

September 2022-
July 2023

Beckman Institute for Advanced Science and Technology
University of Illinois Urbana Champaign
Job title: Beckman Brown Postdoctoral Fellow, Neurotechnology for Memory and Cognition group.

August 2018,

Beckman Institute for Advanced Science and Technology
University of Illinois Urbana Champaign
Job title: Beckman graduate student, Neurotechnology for Memory and Cognition group.

December 2016-
August 2018

The University of Alexandria Main University Hospitals
University of Alexandria, Alexandria, Egypt.
Job title: Neurosurgery visiting resident

June 2015-
June 2016

The University of Alexandria Main University Hospitals
University of Alexandria, Alexandria, Egypt.
Job title: Internship

November 2016-
December 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: Neuroscience Research Trainee

Role: CRISPRs genetic engineering of retinal ganglion cells to promote neuronal survival
Lab: Donald Zack's lab and Derek Welsbie
The Robert H. and Clarice Smith
Building

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.

Byoung Soo Kim, Min Ku Kim, Younghak Cho, Eman Hamed, Vinay K. Aakalu, Kai Kang, Kyung No Son, Hyeongyun Cha, Nenad Miljkovic, Chenfei Hu, Gabriel Popescu, Seunggun Yu, Sung Gap Im, Jonghwi Lee, Chi Hwan Lee, and Hyunjoon Kong. "Electrothermally Controllable Manipulation Enabling Rapid Lifting and Disloading of Thin Cell/Tissue Sheets". Science Advances, Issue 10, 20.

Eman E Hamed., Hanifa Mohammed, Mitchell J, Namburi H, Shreyan Majumdar, Brad Sutton, Kong H and Gillette M.U. Circadian rhythm disruption and Arginine Vasopressin alters glymphatic transport within the brain's hippocampus and SCN .Poster presented at: Society for Research in Biological Rhythms; Amelia, Florida, 2022.

Eman E Hamed., Namburi H, Mitchell J, Benefiel A.C., Kouzehgarani G.N., Kong H and Gillette M.U. The glymphatic system displays diurnal variation that is altered by circadian rhythm disruption. Poster presented at: University of Illinois Neuroscience Open House; Urbana, Illinois, January 2020.

Eman E Hamed., Namburi H, Mitchell J, Benefiel A.C., Kouzehgarani G.N., Kong H and Gillette M.U. Circadian rhythm disruption alters glymphatic transport within the brain's hippocampus and SCN .Poster presented at: Society for Research in Biological Rhythms; Amelia, Florida, 2020.

Eman E Hamed., Namburi H, Mitchell J, Benefiel A.C., Kouzehgarani G.N., Kong H and Gillette M.U. The glymphatic system displays diurnal variation that is altered by circadian rhythm disruption. Poster presented at: Molecular and Cellular Biology Open House UIUC;

Urbana, Illinois, February 2021.

Eman E Hamed., Namburi H, Mitchell J, Benefiel A.C., Kouzehgarani G.N., Kong H and Gillette M.U. The glymphatic system displays diurnal variation that is altered by circadian rhythm

disruption. Poster presented at: Beckman Graduate Fellowship poster session; Urbana, Illinois, May 2021.

Eman E Hamed., Namburi H, Mitchell J, Benefiel A.C., Kouzehgarani G.N., Kong H and Gillette M.U. The glymphatic system displays diurnal variation that is altered by circadian rhythm disruption. Manuscript in preparation.

Eman E Hamed., Namburi H, Mitchell J, and Gillette M.U. Chronobiology of brain Glymphatics and Blood brain barrier impacts chronotherapeutic intervention. Manuscript in preparation.

Eman E Hamed., Namburi H, Mitchell J, Benefiel A.C., Kouzehgarani G.N., Kong H and Gillette M.U. The glymphatic system displays differential flow within regions of the hippocampus and SCN. Manuscript in preparation.

Fellowships and Awards

March 2022	Beckman- Brown Interdisciplinary Postdoctoral Fellowship Beckman Institute for Advanced Science and Technology University of Illinois Urbana Champaign Urbana, IL
April 2021	Nadine Barrie Smith Biomedical Imaging Memorial Award Fellowship Beckman Institute for Advanced Science and Technology University of Illinois Urbana Champaign Urbana, IL
June 2020	Graduate College's Block Grant Beckman Institute for Advanced Science and Technology University of Illinois Urbana Champaign Urbana, IL
May 2020	Beckman Institute Graduate Fellowship 2020 Beckman Institute for Advanced Science and Technology University of Illinois Urbana Champaign Urbana, IL
May 2020	Burroughs Wellcome Fund travel award SRBR graduate travel award Amelia, Florida
May 2020	SRBR Scientific Excellence Award Society for Research on Biological Rhythms (SRBR) Amelia, Florida

August 2018	U of Illinois Neuroscience fellowship University of Illinois Urbana Champaign Urbana, IL
February 2017	Scholarship from the European Association of Neurosurgical Societies (EANS) to attend annual EANS Neurosurgical training courses European Association of Neurosurgical Societies
May 2015	Scholarship from the Onassis Foundation, FORTH, Institute of Molecular Biology and Biotechnology Crete, Greece
April 2015	The Johns Hopkins Medical Institutes travel award Wilmer Eye Institute The Johns Hopkins University Baltimore, MD

CLINICAL EXPERIENCE

August 2022- September 2022	Brigham and Women's Hospital Neuropsychiatric Institute, Boston, MA 2 week Observership
July 2022- August 2022	Northshore University Hospital and Lenox Hill Hospital Neuropsychiatric Institute, NY 5 week Observership
July 2021- August 2021	University of Illinois at Chicago Neuropsychiatric Institute, Chicago, Illinois 5 week Observership
June 2021	EANS European Association Training Course in Cerebrovascular and peripheral nerve Valencia, Spain
May 2019- December 2019	Carle Foundation Hospital Neurology and Neurosurgery Observership
August 2019	Carle Illinois Endovascular Hands-on Resident training course. Carle Foundation Hospital Urbana, Illinois, USA
May 2019	EANS European Association Training Course in "Brain tumors" Burdenko National Neurosurgery Institute Moscow, Russia
May 2019	Brainlab training in Neuronavigation: Intraoperative Ultrasound guidance Moscow, Russia

May 2018	EANS European Association Training Course: Functional and Trauma Belgrade, Serbia
May 2018	Midas Rex Hands-on Workshop Belgrade, Serbia
May 2017	Midas Rex Hands-on Course Orea Hotel Pyramida Prague, Czech Republic
May 2017	EANS European Association Training Course 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