

July 2025

Wael MY Mohamed

MD (Egypt), MMSc (Egypt), PhD (USA)



Current Position:

Professor Madya Dr, Basic Medical Science Dept., Medical School, International Islamic University Malaysia, Kuantan Campus, Pahang, Malaysia.

<https://waelmohamed3.wixsite.com/wael-mohamed-lab>

[Google Scholar](#) | [Bio-skitch](#) | [Scopus](#) | [ORCID](#) | [LOOP](#) | [WOS](#) | [Semantic Scholar](#) | [OSF](#)

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EDUCATION AND TRAINING

ACADEMIC

<u>Year</u>	<u>Degree</u>	<u>Discipline</u>	<u>Institution/Location</u>
2005 - 2011	Ph.D.	Neuroscience	The Pennsylvania State University, USA

Dissertation Title: Neurobehavioral Sequelae of Early Iron Deficiency in Rats. ([Link](#))

Oct. 2003	M.Sc. (Clinical Pharmacology)	Menoufia Medical School, EGYPT
Sept-1996 &Surgery)	M.D. (General Medicine	Menoufia Medical School, EGYPT

CLINICAL TRAINING

<u>Year</u>	<u>Discipline</u>	<u>Institution</u>
1998 - 1999	General Practitioner	Health Ministry, EGYPT
1996 -1998	Internship (H.O) (Neurosurgery Practicum)	Menoufia University Hospital, EGYPT

PROFESSIONAL POSITIONS HELD

2015-present	Professor Madya Dr (BMS, Medical school)	International Islamic University Malaysia (IIUM), Kuantan, Malaysia
2015-Summer	Visiting Scholar (Neural and Behavioral Sciences Dept.)	Hershey Medical School, PSU USA
2014-Summer	Visiting Scholar (Psychology	East Tennessee State University (ETSU)

	Dept.)	USA
2012-2014	Visiting Assistant Professor (Biopsychology)	American University in Cairo (AUC)
2011-present	Lecturer (Neuroscience/ Psychopharmacology)	Menoufia Medical School, Egypt
2006-2011	Research Fellow (Neuroscience)	The Pennsylvania State University, USA
2003-2011	Assistant Lecturer (Psychopharmacology)	Menoufia Medical School, EGYPT
1999-2003	Instructor (Psychopharmacology)	Menoufia Medical School, EGYPT

PROFESSIONAL AFFILIATIONS

CLINICAL

2014-current	Movements Disorders Society (MDS) - Member
2012-current	American Psychological Association (APA) - <i>International Liaison</i>
2010-current	National Academy of Neuropsychology (NAN)– <i>Professional membership</i>
2009-current	American Neuropsychiatric Association (ANPA)
2009-current	American Academy of Neurology (AAN) 2006-current Cognitive Neuroscience Society (CNS)
2006-current	Islamic Medical Association of North America (IMANA) – <i>Life Member</i>
2013-current	The International Congress of Neuropsychopharmacology (CINP)

BASIC NEUROSCIENCE

2018-2021	SfN Global Membership Committee
2016-current	Society for Arab Neuroscientists (SfAN)-Secretary General
2016-2020	Middle East Molecular Biology Sources (MEMBS)- General Scientific Committee
2015-current	Malaysian Society for Neuroscience (MSN)
2008-current	The Society for Neuroscience (SfN)- <i>Regular member</i>
2006-current	Safety Pharmacology Society (SPS)
2006-2020	American Society for Pharmacology and Experimental Therapeutics (ASPET)- <i>Regular</i>
2010-2020	American College of Clinical Pharmacology (ACCP)
2006-2020	International Society for Developmental Neuroscience (ISDN)

PROFESSIONAL COMMITTEES

CURRENT

2025-2028	ASPET's Committee on Representation and Engagement for Authentic Change (REACH)	
2021-	Founder and President	AfrAbia Society- AAS Link
2022-2025	African Representative	IZFS -International Zebrafish Society
2021-2023	Member	MDS-Education Committee Link
		MDS-Telemedicine Study Group Link
		MDS-Middle East Working Group (MEWG)
2021-	Member	IPDG-Asia genetic consortium Link
2012-	Founder and Director	World Parkinson's Program Chapter-EGYPT Link
2021-	Founder and President	AfrAbia SfN Chapter Link
2019-	Member (IIUM-SUD)	Substance Use Disorder Research

2012-	Active Member	Group Link
2012-	Research member	Task force on Indigenous Psychology
		Global Research Team of the Human Dignity and Humiliation Studies network (HumanDHS)
<u>PAST</u>		
2022-2025	Board Member-Africa	IZFS-International Zebrafish Society
2018-2021	GMC member	SfN <i>Global Membership Committee</i>
2014-2017	North African Liaison	SONA (Society for African Neuroscientists)
2016-2018	School Initiative Committee	ISN (International Society of Neurochemistry)
2012-2014	Membership Committee	National Academy of Neuropsychology (NAN)
2011-2013	Active Member	Attention Deficit Disorder Association (ADDA)
2011-2013	College Committee	International Neuropsychological Society (SINS)
2011-2018	Student Organization	American College of Clinical Pharmacology (ACCP)
2010-2015	Education Committee	American College of Clinical Pharmacology (ACCP)
2010-2012	2012 Annual Meeting Program Committee	American College of Clinical Pharmacology (ACCP)
2010-2015	Student Outreach Committee (SOC)	American College of Clinical Pharmacology (ACCP)
2009-2011	Education Committee	Islamic Medical Association of North America (IMANA)

EDITORIAL/REVIEW EXPERIENCE

2018-	Academic Editor	PLOS-ONE
2018-	Academic Editor	Scientific Reports-Nature
2018-	Editorial Board	Neuroscience Research Notes
2016-	Review Editor	Frontiers in Neurology-Neurotrauma section
		Frontiers in Systems Biology
2016-	Guest Associate Editor	Frontiers in Neuroscience-Neurodegeneration
		System Biology
2018-	Frontiers Topic Editor	Biomarkers in Neurology
2018-	Frontiers Topic Editor	Contribution of Translational Animal Models to the Systems Biology of Neurodegenerative
2014-	Editorial Board	Annals of Neuroscience
2014-	Editorial Board	Applied & Translational Genomics (ATG)

GRANT REVIEW EXPERIENCE

2019-	Reviewer/Evaluator	<i>Obra Social “La Caixa”</i>
2012-2018	Reviewer Expert	<i>ERASMUS MUNDUS</i>
		Assist the Education, Audiovisual and Culture Executive Agency in the framework of the management of the Community programs in the fields of education, audiovisual, culture, youth and citizenship
2012-2018	Reviewer Expert	<i>TEMPUS PROGRAM</i>
		Education, Audiovisual and Culture Executive

Agency

SCIENCE DIPLOMACY/ADVOCACY

- InnSciD SP 2021 + TWAS Science Diplomacy LAC Regional Workshop (4-13 August 2021 – Brazil)
- TWAS-UNESCO Science in Exile Committee (2021-Current)
- SfN Capitol Hill Day 2019- Washington DC, USA (7 March 2019)
- SfN Neuronline Community leader (October 2018-Current)

PROFESSIONAL DEVELOPMENT

<u>Date</u>	<u>Description</u>
June-2021	2021 Virtual AOPMC
June-2021	2021 Virtual AOPMC - Meet the Expert Discussions
December-2020	Treating Parkinson's Disease: Past, Present and Future
November-2020	1st Virtual MDS Botulinum Toxin Conference 2020
November-2020	MDS-Africa Online Course for Basic Science
October-2020	Digital Technology Primer for Neurologists
September-2020	MDS Virtual Congress 2020
June-2017	MDS LEAP Program Class of 2017 - Vancouver, BC, Canada
January-2011	Overcoming Clinical Challenges in Parkinson's Disease: Applying Research to Practice
December-2010	Care of the Patient with ALS: Evidence-Based Guidelines for Your Practice
November-2010	Bipolar Disorder: The Complexities of Assessment
April-2010	NIH State of the Science Conference: Preventing Alzheimer's Disease and Cognitive Decline. NIH Natcher Center, Bethesda, Maryland, USA
Fall-2009	Clinical Psychological Assessment
Spring-2010	Neuropsychological Assessment
Spring-2010	Multicultural Perspective in Clinical Psychology

TALKS IN ONLINE EVENTS/COURSES

August 2022	Women In Neuroscience Symposium	Tbilisi, Georgia (Co-chair)
September 2021	IBRO-APRC School	UKM, Malaysia (Co-chair)
August 2021	IBRO-APRC School	Punjab, India KL, Malaysia
August 2021	IBRO-APRC School	Tbilisi, Georgia
August 2021	IBRO-MENA Neuro-ethics course	Irbid, Jordan
17-19 May 2021	Vesicle Trafficking and Pathways to Neurodegeneration 2021	Welcome Genome Campus, UCL, UK
7-8 April	IBRO nutritional Neuroscience course	IBRO-Virtual
11-15 July 2020	FENS 2020 Virtual Forum	FENS
12-16 Sept 2020	MDS Virtual Congress	Movements Disorder Society (MDS)
3-4 Nov 2020	Evidence Leaders Africa Online Conference	The African Academy of Science

25-27 Jan 2021	Emerging Cell Therapies: Realizing the Vision of NextGen Cell Therapeutics EK15	Keystone Symposia
25-29 Jan 2021	Molecular Neurodegeneration Therapeutics Approaches	Welcome Genome Campus, UCL, UK
29 Jan 2021	“The 24 th Thai Neuroscience Society Conference 2021”	Thai Neuroscience Society
30 Jan-1 Feb 2021	7th Asian- Oceanian Congress on Clinical Neurophysiology	Malaysian Society of Neuroscience (MSN)
11 Feb 2021	Neuropsychiatric and Neurodevelopmental Disorders: Harnessing Rare Variants EK13.	Keystone Symposia

SUBJECTS TAUGHT

TAUGHT COURSES	First Degree	PG- Basic	PG- Clinical
Biopsychology (PSYC380)	✓		✓
Introduction to psychology (PSYC201)	✓		
BIOL104 (Introduction to Biology: The Unity of life)	✓	✓	
BIOT590: Neurobiology for graduate students		✓	
General pharmacology	✓	✓	✓
Neuroscience	✓	✓	✓
Neurophysiology	✓		✓
Neuroanatomy	✓	✓	✓
Neuroethics: ethical, legal, social & religious implications		✓	✓
Clinical Psychopharmacology			✓
Physiological psychology	✓	✓	
BIOL lab	✓	✓	
PBL	✓		
Case Scenarios	✓		✓
Pharma-Lab Simulation	✓		
Bench side techniques	✓		

STUDENT MENTORING

- Mentor-Mentee: Y1 and Y2 Medical students-IIUM, Malaysia (2015-current)
- Fast Start Mentoring Program: PSU, 2010
- International Peer Mentor Program, PSU, 2009: Mentoring international graduate students.
- Peer Mentor during SfN Annual Meeting, Chicago, USA (October- 2009).
- Mentoring a group of 5 undergraduate students through the “Research Experience for Undergraduates” program funded by *The National Science Foundation: Penn State Upward Bound Math and Science (UBMS) Program*. Heavy metals and human brain (Summer-2008).

NUMBER OF POSTGRADUATE STUDENTS' SUPERVISION

Program	Status	As main supervisor	As co-supervisor
PhD	Graduated	2	2
	Ongoing	3	2
Master	Graduated	1	3
	Ongoing	1	1
Total		7	8

- Thesis Title: *Vancomycin Dosing in Critically ill Patients with and Without Renal Replacement Therapy*
Degree: PhD
Specialty: Neuropharmacology
Faculty: Medical School, International Islamic University (IIUM), Malaysia
Status: Ongoing
- Thesis Title: *Neuroprotective effects of EBN and Thymoquinone in MPTP-induced Parkinson Disease Zebra fish model*
Degree: PhD
Specialty: Neuropharmacology
Faculty: Medical School, International Islamic University (IIUM), Malaysia
Status: Ongoing
- Thesis Title: *Evaluation of the roles imposed by HMGB1 protein in MPTP-induced Parkinson Disease Zebra fish model*
Degree: PhD
Specialty: Neuropharmacology
Faculty: Medical School, International Islamic University (IIUM), Malaysia
Status: Ongoing
- Thesis Title: *Neuroprotective effects of Edible Bird's Nest using 2VO rat animal model of neurodegeneration*
Degree: MSc
Specialty: Neuropharmacology
Faculty: Medical School, International Islamic University (IIUM), Malaysia
Status: Graduated
- Thesis Title: *Neuroprotective effects of combines Vit E and CoEnz Q10 using 2VO rat animal model of neurodegeneration*
Degree: MSc
Specialty: Neuropharmacology
Faculty: Medical School, International Islamic University (IIUM), Malaysia
Status: Graduated
- Thesis Title: *Antifertility effect of Fenugreek seeds aqueous extract on female rats*
Degree: MSc
Specialty: Neurophysiology
Faculty: Medical School, International Islamic University (IIUM), Malaysia
Status: Graduated
- Thesis Title: *Neuroprotective effects of Trigonella Foeum Graecum and Eurycoma Longifolia in chronic cerebral hypoperfusion-induced neurodegeneration using rat animal model.*

Degree: PhD

Faculty: Medical School, International Islamic University (IIUM), Malaysia

Status: Graduated

- Thesis Title: ***In-vivo evaluation of acute toxicity of Trigonella foenum-graecum seeds aqueous extract on kidney/Brain, using male mice model***

Degree: MSc

Specialty: Neurophysiology

Faculty: Medical School, International Islamic University (IIUM), Malaysia

Status: Graduated

- Thesis Title: ***Study of the potential use of lithium in treatment of acute kidney injury in rat animal model***

Degree: PhD

Specialty: Neuropharmacology

Faculty: Menoufia Medical School, Egypt

Status: Current

- Thesis Title: ***Effect of Vitamin D3 on Experimental Diabetic Nephropathy and Neuropathy in rats***

Degree: PhD

Specialty: Neuropharmacology

Faculty: Menoufia Medical School, Egypt

Status: Graduated

- Thesis Title: ***Study of Neuronal Networks Changes for Swiss Albino Mice Memory in Response to Different Environmental Stressors.***

Degree: MSc

Specialty:

Zoology

Faculty: Science, Alexandria University, Egypt

Status: Graduated

THESES COMMITTEES (EXTERNAL/INTERNAL EXAMINER)

No	Examination	Year	Institution/Country
9	PhD	2025	Pharmacology-Monash-Malaysia
8	PhD	2024	KOP-IIUM
7	PhD	2023	Dental-UKM, Malaysia
6	PhD	2023	Biomedical Sciences-UKM, Malaysia
5	PhD	2022	University of the Witwatersrand, South Africa
4	PhD	2022	University of Kwazulu-Natal, South Africa
3	PhD	2021	University of Kwazulu-Natal, South Africa
2	PhD	2017	University of Kwazulu-Natal, South Africa
1	PhD	2015	University of Kwazulu-Natal, South Africa
8	MSc	2021	UKM, Malaysia
7	MSc	2018	IIUM, Malaysia
6	MSc	2016	University of Kwazulu-Natal, South Africa
5	MSc	2016	IIUM, Malaysia
4	MSc	2015	University of Kwazulu-Natal, South Africa
3	MSc	2014	AUC, Egypt
2	MSc	2014	AUC, Egypt
1	MSc	2014	AUC, Egypt

- Thesis Title: ***Pharmacological Evaluation of Local Malaysian Fruits and their Phytochemicals for Epileptic Seizure-like Activity in Zebrafish Larvae Model***
Degree/Date: PhD / 2025
Specialty: Biomedical
Faculty: Monash, Malaysia
Role: External Examiner
- Thesis Title: ***The Neuroprotective Effect of Litsea Garciae Bark Extract in Zebrafish Alzheimer's Model***
Degree/Date: PhD / 2024
Specialty: Pharmacy
Faculty: KOP, IIUM, Malaysia
Role: External Examiner
- Thesis Title: ***Investigating the Role Of Outer Membrane Vesicles Of Porphyromonas Gingivalis In Inducing Neuronal Degeneration Using Zebrafish Model (Danio Rerio)***
Degree/Date: PhD / 2023
Specialty: Dental
Faculty: UKM, Malaysia
Role: External Examiner
- Thesis Title: ***The Role of Neurotrophin-3 in A ZF PD Model***
Degree/Date: PhD / 2023
Specialty: Biomedical
Faculty: UKM, Malaysia
Role: External Examiner
- Thesis Title: ***Characterizing the effects of a street cocktail drug (nyaope) on the 2-opioid signaling system in the rat brain***
Degree/Date: PhD / 2022
Specialty: Biomedical
Faculty: University of the Witwatersrand, South Africa
Role: External Examiner
- Thesis Title: ***Alzheimer's disease dementia risk in post-traumatic stress disorder: identification of common underlying mechanisms using rat models***
Degree/Date: PhD / 2022
Specialty: Biomedical
Faculty: University of Kwazulu-Natal, South Africa
Role: External Examiner
- Thesis Title: ***Role of neuroinflammation in an amyloid-beta model of Alzheimer's disease and the identification of possible biomarker***
Degree/Date: PhD / 2021
Specialty: Biomedical
Faculty: University of Kwazulu-Natal, South Africa
Role: External Examiner
- Thesis Title: ***Amygdalar Mtorc2-Pkc Epsilon Interactions In Alcohol Use Disorder: A Rodent Model***
Degree/Date: MSc / 2021
Specialty: Physiology
Faculty: UKM, Malaysia
Role: External Examiner
- Thesis Title: ***Brain derived neurotropic factor (BDNF) DNA methylation in Schizophrenia and its association with anti-psychotic use***
Degree/Date: MSc / 2018
Specialty: Clinical pharmacology
Faculty: IIUM, Malaysia
Role: External Examiner

- Thesis Title: ***Effects of exposure to stress following 6-OHDA injection on dopamine neuron survival: implication for nicotine treatment***
Degree/Date: PhD / 2017
Specialty: Human physiology
Faculty: University of Kwazulu-Natal, South Africa
Role: External Examiner
- Thesis Title: ***The Prenatal Stress & Febrile Seizures Effects on the Epigenetic Mechanisms Involved in Cognitive Function Following Treatment with Searsia Chirindensis***
Degree/Date: Master / 2016
Specialty: Human physiology
Faculty: University of Kwazulu-Natal, South Africa
Role: External Examiner
- Thesis Title: ***Exposure to prenatal stress enhances the development of seizures in young rats***
Degree/Date: PhD / 2015
Specialty: Human physiology
Faculty: University of Kwazulu-Natal, South Africa
Role: External Examiner
- Thesis Title: ***Comparison between two dehydration methods in polyester P40 plastination in human brain slices***
Degree/Date: Master / 2016
Specialty: Human anatomy
Faculty: International Islamic University Malaysia, Malaysia
Role: Internal Examiner
- Thesis Title: ***The effects of Oleanolic acid on reactive oxygen species in a parkinsonian rat model***
Degree/Date: Master / 2015
Specialty: Human physiology
Faculty: University of Kwazulu-Natal, South Africa
Role: External Examiner
- Thesis Title: ***Transcriptomics of iron limitation in phaeocystis antarctica***
Degree/Date: Master / 2014
Specialty: Biotechnology
Faculty: American University in Cairo (AUC), Egypt
Role: Moderator
- Thesis Title: ***Functional Identification of a novel ATP-dependent DNA Ligase (LigD) from the Microbial community of the deepest layer of the Red sea Atlantis II Brine Pool***
Degree/Date: Master / 2014
Specialty: Biology
Faculty: American University in Cairo (AUC), Egypt
Role: Internal Examiner
- Thesis Title: ***Improving machine learning techniques for influenza A classification***
Degree/Date: Master / 2014
Specialty: Biotechnology
Faculty: American University in Cairo (AUC), Egypt
Role: Internal Examiner

CURRENT RESEARCH AREAS/INTERESTS

Translational neuroscience, Cognitive/Behavioral neuroscience, Neurodegeneration, Neurovascular, Neuropsychiatric disorders. Non-primate animal models and Zebra fish models

CURRENT RESEARCH PROJECTS

1. Fox Genetic Diversity in PD Program: Genome Wide Association (GWA) Study in Parkinson's Disease among East Asian
2. Evaluation of the roles imposed by HMGB1 protein in MPTP-induced Parkinson Disease Zebra fish model
3. Exploring the potential of exosomal miRNA in different genetic mutation as potential prognosis biomarkers in PD
4. Effects of Edible Bird's Nest on Streptozotocin-induced sporadic Alzheimer's Disease: A rodent model

RESEARCH GRANTS

Active/Current

- Grant Title: ***AfrAbia-PD Genomic Consortium (AA-PDGC)-Year2***
Principal Investigator: Wael Mohamed
Total Cost: \$278,285.00 USD
Funding Agency: The Michael J. Fox Foundation for Parkinson's Disease (MJFF)
Status: Active/Current
Project Number: MJFF
Grant ID: MJFF-026144
Project Period: 1 year 2024-2025
Role: PI. %Effort: 50
- Grant Title: ***AfrAbia-PD Genomic Consortium (AA-PDGC)-Year1***
Principal Investigator: Wael Mohamed
Total Cost: 100,000 US\$
Funding Agency: The Michael J. Fox Foundation for Parkinson's Disease (MJFF)
Status: Active/Current
Project Number: MJFF
Grant ID: MJFF-023995
Project Period: 1 year 2023-2024
Role: PI. %Effort: 50
- Grant Title: ***Fox Genetic Diversity in PD Program: Genome Wide Association (GWA) Study in Parkinson's Disease among East Asian***
Principal Investigator: Wael Mohamed - East Asian Parkinson's Disease Genomics Consortium (EAPDGC)
Total Cost: 1,499,684.32 US\$
Funding Agency: The Michael J. Fox Foundation for Parkinson's Disease (MJFF) Status: Active/Current
Project Number: MJFF-17474
Project Period: 2 years
Role: Co-PI %Effort: 50
- Grant Title: ***A New Era of Zebrafish Research Opened up the Tol2 Transposon Technology in PD Zebrafish model***
Principal Investigator: Koichi Kawakami
Total Cost: 150,000Yen
Funding Agency: National Institute of Genetics, Japan
Status: Active/Current
Project Number: NIG-JOINT6A2023
Project Period: 1 year
Role: Co-PI %Effort: 50
- Grant Title: ***Evaluation of the roles imposed by HMGB1 protein in MPTP-induced Parkinson Disease Zebra fish model***

Principal Investigator: Wael Mohamed
Total Cost: 130,000MRs= 31,000 US\$
Funding Agency: FRGS-Malaysian Higher education
Status: Active/Current
Project Number: FRGS/2019/78
Project Period: 2 years
Role: PI %Effort: 50

- Grant Title: ***Effects of Edible Bird's Nest on Streptozotocin-induced sporadic Alzheimer's Disease: A rodent model***

Principal Investigator: Jay Kumar Murpthy
Total Cost: 70085 RM= 17,500US\$
Funding Agency: UKM-Malaysia
Status: Active/Current
Project Number: UKM-SPKP-CRIM-PK01-L01
Project Period: 2 years
Role: Co-PI %Effort: 70

Completed

- Grant Title: ***Exploring the potential of exosomal miRNA in different genetic mutation as potential prognosis biomarkers in PD***

Principal Investigator: Wael Mohamed / Collaboration between Malaysia-Singapore India
Total Cost: 2,845,720 Rs= 41,633 US\$
Funding Agency: INDO-ASEAN
Status: Complete
Project Number: CRD/2018/000078
Project Period: 2 years
Role: PI %Effort: 50

- Grant Title: ***Neuroprotective Effect of Statins and Ezetimibe against memory loss in Alzheimer-induced Dementia in Rats***

Principal Investigator: Wael Mohamed
Total Cost: 4,000 US\$
Funding Agency: International Society of Neurochemistry (ISN) – CAEN Committee
Status: Complete
Project Number:
Project Period: 1 year
Role: PI %Effort: 90

- Grant Title: ***Analysis of olfactory alterations in 5-HT deficit mice: role of serotonin in sense of smell***

Principal Investigator: Wael Mohamed
Total Cost: 33,600 RM= 8,500US\$
Funding Agency: RIG – International Islamic University Malaysia
Status: Complete
Project Number: RIGS 15-084-0084
Project Period: 1 year
Role: PI %Effort: 90

- Grant Title: ***IDRC/Water Pipe Policy Testing Project***

Principal Investigator: Ramzi Salloum (USA)
Total Cost: 68,000 US\$
Funding Agency: International Development Research Center (IDRC), Canada
Status: Complete
Project Number:
Project Period: 2 years

- Role: PI for Egypt %Effort: 90

 - Grant Title: ***Early Iron Deficiency and Attentional Deficits: From Basic Science to Treatment***

Principal Investigator: Wael MY Mohamed
Total Cost: 1,000,000 EP
Funding Agency: Science Technology & Development Fund (STDF)
Status: Complete
Project Number: 4975
Project Period: 2 years
Role: Principal Investigator %Effort: 90
 - Grant Title: ***The co-morbidity of Schizophrenia and Tobacco dependence in a rodent Model of Psychosis***

Principal Investigator: Wael Mohamed Total Cost: 20,000 EUR
Funding Agency: IBRO – IBRO return home fellowship
Status: Complete
Project Number: N/A Project Period: 2 years
Role: PI %Effort: 100
 - Grant Title: ***Tobacco dependence in a rodent Model of Psychosis***

Principal Investigator: Wael Mohamed
Total Cost: 6,000 \$
Funding Agency: AUC (American University in Cairo)
Status: Complete
Project Number: N/A Project Period: 1 year Role: PI %Effort: 100
 - Grant Title: ***Dopamine and Psychiatric Disorders (Seminar)***

Principal Investigator: Wael Mohamed
Total Cost: 6,000 \$
Funding Agency: International Society for Neurochemistry (ISN)-CAEN
Status: Completed
Project Number: N/A
Project Period: N/A
Role: PI %Effort: 100
 - Grant Title: ***Neurobehavioral Sequelae of Early Iron Deficiency in Rats and Humans***

Principal Investigator: Dr. Youssef Aboussaleh
Total Cost: 10,000 EURO
Funding Agency: NeuroMed: MPP, FP7; Europe
Status: Completed
Project Number: N/A
Project Period: July 2012 – May 2013
Role: Co-investigator %Effort: 50
 - Grant Title: ***Early Iron Deficiency in Rat Animal Model***

Principal Investigator: Byron C Jones
Total Cost: \$26,000
Funding Agency: Penn State CYFC (Children, Youth and Families Consortium) Status: Completed
Project Number: 423-15 1001 CYFC
Project Period: (October-2008) through (October-2010)
Role: Research Associate %Effort: 90
 - Grant Title: ***Measuring Emotion Regulation to an Aversive Parenting Situation with ERP Methods***

Principal Investigator: Mark Feinberg
Total Cost: \$8,700

Funding Agency: Penn State Social Science Research Institute (SSRI)
 Status: Completed
 Project Number: N/A
 Project Period: (August-2008) through (August-2009)
 Role: Research Associate %Effort: 90

Submitted/Pending

- Grant Title: ***“High-Mobility Group Box 1 (HMGB1) Protein Evaluation in MPTP-Induced Zebrafish Model of Parkinson’s Disease”***.
 Principal Investigator: Dr. Wael Mohamed
 Total Cost: 250,000 US\$
 Funding Agency: MJF Status: Submitted/Pending
 Project Number: N/A Project Period: N/A
 Role: PI %Effort: 60
- Grant Title: ***“Identifying predictive biomarkers of diabetic retinopathy using two mouse models of Type 1 diabetes”***.
 Principal Investigator: Dr. Joyce Tombran-Tink
 Total Cost: 250,000 US\$
 Funding Agency: NIH Status: Submitted/Pending
 Project Number: N/A Project Period: N/A
 Role: Egyptian Partner %Effort: 50

BIBLIOGRAPHY

Published: 120 Papers, 12 Book Chapters, 26 Books
Accepted, In Press: 1 Paper
Under Review: 1 Papers
Book Chapters: 4 Book Chapters (1 in Production, 3 Published Online)
Books: 10 Books (6 in Progress, 1 in Production, 3 Published Online)
Preprints: 7 Preprints
Open articles: 15
Total Citations: 833 Since 2017
Total IF: 200.8
H index: 23
i10-Index 26
RG Index 23
Academic Matrix [Google Scholar](#) | [Bio-skitch](#) | [Scopus](#) | [ORCID](#) | [LOOP](#) | [WOS](#) | [Semantic Scholar](#) | [OSF](#)

A-In peer reviewed Indexed Journals

104. Mohamed, Wael. “A Decade of MPTP-Based Zebrafish Research in Parkinson’s Disease: toward Translational Understanding.” Academia Biology, vol. 3, no. 3, Academia.edu Journals, 2025, doi:10.20935/AcadBiol7830
103. Saffie-Awad P, Grant SM, Makarious MB, Elsayed I, Sanyaolu AO, Crea PW, Schumacher Schuh AF, Levine KS, Vitale D, Koretsky MJ, Kim J, Peixoto Leal T, Perinán MT, Dey S, Noyce AJ, Reyes-Palomares A, Rodriguez-Losada N, Foo JN, **Mohamed W**, Heilbron K, Norcliffe-Kaufmann L; 23andMe Research Team; Rizig M, Okubadejo N, Nalls MA, Blauwendraat C, Singleton A, Leonard H; Global Parkinson’s Genetics Program (GP2); Mata IF, Bandres-Ciga S. Insights into ancestral diversity in Parkinson's disease risk: a comparative assessment of polygenic risk scores. NPJ Parkinsons Dis. 2025 Jul 3;11(1):201. doi: 10.1038/s41531-025-00967-4. PMID: 40610451

102. Mohamed, Wael. "Equity in Neurogenomics: Advancing Parkinson's Disease Research in AfrAbia." *Academia Molecular Biology and Genomics*, vol. 2, no. 2, Academia.edu Journals, 2025, doi:10.20935/AcadMolBioGen7789
101. Global Parkinson's Genetic Program (**Mohamed WMY**)(2025). The *LRRK2* p.L1795F variant causes Parkinson's disease in the European population. *npj Parkinsons Dis.* 11, 58 (2025). <https://doi.org/10.1038/s41531-025-00896-2>
100. Sukhdev S. Kamboj, Satya P. Sharma, **Wael M.Y. Mohamed**, Rajat Sandhir: N-acetyl-L-cysteine Mitigates Diabetes-induced Impairments in Sciatic Nerve, *IBRO Neuroscience Reports*, 2025, ISSN 2667-2421, <https://doi.org/10.1016/j.ibneur.2025.02.006>.
99. Aqel, S.; Ahmad, J.; Saleh, I.; Fathima, A.; Al Thani, A.A.; **Mohamed, W.M.Y.**; Shaito, A.A. Advances in Huntington's Disease Biomarkers: A 10-Year Bibliometric Analysis and a Comprehensive Review. *Biology* 2025, 14, 129. <https://doi.org/10.3390/biology14020129>.
98. Mohamed, W. (2024). Exploring environmental factors contributing to Parkinson's disease in AfrAbian populations, 2(4). <https://doi.org/10.20935/AcadBiol7442>
97. Global Parkinson's Genetic Program (**Mohamed WMY**)(2024). African ancestry neurodegeneration risk variant disrupts an intronic branchpoint in GBA1. *Nat Struct Mol Biol.* 2024 Dec;31(12):1955-1963. doi: 10.1038/s41594-024-01423-2.
96. Global Parkinson's Genetic Program (**Mohamed WMY**)(2024). Advancing Parkinson's Disease Research in Africa: A Strategic Training Framework of the Global Parkinson's Genetics Program. *Mov Disord.* 2024 Oct 31. doi: 10.1002/mds.30051.
95. Razali K, Kumar J and **Mohamed WMY** (2024). Characterizing the adult zebrafish model of Parkinson's disease: a systematic review of dynamic changes in behavior and physiology post-MPTP administration. *Front. Neurosci.* 18:1432102. doi: 10.3389/fnins.2024.1432102
94. Kumar J, Naina Mohamed I, Mohamed R, Ugusman A, Muzaimi M, **Mohamed W**, Yahaya MF, Teoh SL, Kamaluddin MR, Abdul Hamid H, Mehat MZ and Shanmugam PK (2024) Locomotion changes in methamphetamine and amphetamine withdrawal: a systematic review. *Front. Pharmacol.* 15:1428492. doi: 10.3389/fphar.2024.1428492
93. **Wael Mohamed**, Mohamed Abdelhalim Eltantawi, Vidhu Agarwal, Sara Bandres-Ciga, Mary B Makarious, Yasser Mecheri, Yared Zenebe Zewde, Walaa A. Kamel, Bashayer Al-Mubarak, Kareem H. Alzoubi, Najib Kissani, Badrah S Alghamdi, Samia Ben Sassi, on behalf of AA-PD-GC. The Genetic Architecture of Parkinson's Disease in the AfrAbia Population: Current State and Future Perspectives. *J. Integr. Neurosci.* 2024, 23(8), 152. <https://doi.org/10.31083/j.jin2308152>
92. Global Parkinson's Genetic Program (**Mohamed WMY**)(2024). Is SH3GL2 p.G276V the Causal Functional Variant Underlying Parkinson's Disease Risk at this Locus? *Mov Disord.* 2024 Aug 12. doi: 10.1002/mds.29719
91. Kumar J, **Mohamed W**, Borroto-Escuela DO, Sangu M, Rashid R, Mohamad Isa MF and Shanmugam PK (2024), Editorial: Substance use disorder: above and beyond addiction. *Front. Pharmacol.* 15:1426351. doi: 10.3389/fphar.2024.142635190
90. **Mohamed, W.** (2024) "AfrAbia's silent struggle: Pesticides and Parkinson's disease unveiled", *Neuroscience Research Notes*, 7(1), pp. 353.1–353.4. doi: 10.31117/neuroscirn.v7i1.353
89. Global Parkinson's Genetic Program (**Mohamed WMY**). GBA1 rs3115534 Is Associated with REM Sleep Behavior Disorder in Parkinson's Disease in Nigerians. *Mov Disord.* 2024 Feb 23. doi: 10.1002/mds.29753. Online ahead of print.
88. **Wael Mohamed**, Mohamed Abdelhalim Eltantawi, Yasser Mecheri, Yared Zenebe Zewde, Walaa A Kamel, Bashayer R Al-Mubarak, Kareem H Alzoubi, Najib Kissani, Badrah S Alghamdi, Samia Ben Sassi, on behalf of theAfrAbia plus Parkinsons Disease Genomic Consortium. The AfrAbia^{plus} Parkinson's Disease Genomic Consortium. *The Lancet Neurology.* 2024; 23, 2, 140-1. DOI:[https://doi.org/10.1016/S1474-4422\(23\)00453-2](https://doi.org/10.1016/S1474-4422(23)00453-2)

87. Global Parkinson's Genetic Program (**Mohamed WMY**). Multi-ancestry genome-wide association meta-analysis of Parkinson's disease. *Nat Genet.* 2024 Jan;56(1):27-36. doi: 10.1038/s41588-023-01584-8
86. Lilach Soreq, **Wael Mohamed**. Single-cell RNA sequencing analysis and Alzheimer's disease: a bibliometric analysis. *Am J Neurodegener Dis* 2023;12(5):133-146
85. Haider F, Shaidy N, Haszlihisham, Shaharudin N, Jalil, **Wael Mohamed**. Nutrition and Parkinson's Disease: What is the Interplay?. *NeuroLife*. Volume1(1):24-25 - 2023 | [10.58209/neurolife.2023.24](https://doi.org/10.58209/neurolife.2023.24)
84. Zakaria Ait Lhaj, Hind Ibork, Sara El Idrissi, Farida Ait Ihaj, Mansour Sobeh, **Wael M. Mohamed**, Meryem Alamy, Khalid Taghzouti, Oualid Abboussi. Bioactive Strawberry Fruit (*Arbutus unedo* L.) Extract remedies Paraquat induced neurotoxicity in the Offspring Prenatally Exposed rats. *Front. Neurosci.* Volume 17 - 2023 | doi: [10.3389/fnins.2023.1244603](https://doi.org/10.3389/fnins.2023.1244603)
83. **Wael MY Mohamed** and Andrea Kwakowsky. Editorial: Neuroinflammation and Neurodegeneration from Bench to Bedside. *Front. Neurol.* Volume 14 - 2023 | doi: [10.3389/fneur.2023.1296760](https://doi.org/10.3389/fneur.2023.1296760)
82. **Wael MY Mohamed**. Leveraging genetic diversity to understand monogenic Parkinson's disease's landscape in AfrAbia. *American Journal of Neurodegenerative Disorders*. 2023. V.12(4):108-22. PMC10509492
81. Global Parkinson's Genetic Program (**Mohamed WMY**). Elucidating causative gene variants in hereditary Parkinson's disease in the Global Parkinson's Genetics Program (GP2). Published Erratum, *NPJ Parkinsons Dis.* 2023 Sep 13;9(1):133. doi: 10.1038/s41531-023-00560-7.
80. Global Parkinson's Genetic Program (**Mohamed WMY**). Defining the causes of sporadic Parkinson's disease in the global Parkinson's genetics program (GP2). *NPJ Parkinsons Dis.* 2023 Sep 12;9(1):131. doi: 10.1038/s41531-023-00533-w.
79. Global Parkinson's Genetic Program (**Mohamed WMY**). Identification of genetic risk loci and causal insights associated with Parkinson's disease in African and African admixed populations: a genome-wide association study. *Lancet Neurol.* 2023 Aug 23;S1474-4422(23)00283-1. doi:10.1016/S1474-4422(23)00283-1
78. Khairiah Razali, **Mohamed WMY** (2023). High-Mobility Group Box 1 (HMGB1) Protein in Parkinson's Disease Research: A 10-Year Bibliometric Analysis. *Journal Integrative Neuroscience*. Vol22, Issue4. DOI: 10.31083/j.jin2204087
77. **Mohamed WMY**, Firas Kobeisy, Stefania Modello (2023) Biomarkers in Neurology: Volume II. *Front. Neurol.* Volume 14 - 2023 | doi: [10.3389/fneur.2023.1244536](https://doi.org/10.3389/fneur.2023.1244536)
76. Karunyam BV, Abdul Karim AK, Naina Mohamed I, Ugusman A, **Mohamed WMY**, Faizal AM, Abu MA and Kumar J (2023) Infertility and cortisol: a systematic review. *Front. Endocrinol.* 14:1147306. doi:10.3389/fendo.2023.1147306
75. Razali, K.; Nasir, M.H.M.; Kumar, J.; **Mohamed, W.M.Y.** Mitophagy: A Bridge Linking HMGB1 and Parkinson's Disease Using Adult Zebrafish as a Model Organism. *Brain Sci.* 2023, 13, 1076. <https://doi.org/10.3390/brainsci13071076>
74. **Wael Mohamed** (2023). Parkinson's genetics research on underrepresented AfrAbia populations: current state and future prospects. *American Journal of Neurodegenerative Disorders*. V.12(2). PMC10195393
73. Aouatif El Mansouri, Aboubaker El Hessni, Youssef Aboussaleh, Samir Bikri, **Wael Mohamed** (2023). Smartphone overuse as habit of pleasure seeking in Moroccan adults. *ACTA NEUROPSYCHOLOGICA*. 21, No. 2, 2023, 139-146.
72. **Mohamed WMY** and Ekker M (2023), Editorial: Zebrafish as a translational neuroscience model: today's science and tomorrow's success. *Front. Physiol.* 14:1202198. doi: 10.3389/fphys.2023.1202198
71. Soreq L, Bird H, **Mohamed W**, Hardy J (2023) Single-cell RNA sequencing analysis of human Alzheimer's disease brain samples reveals neuronal and glial specific cells differential expression. *PLoS ONE* 18(2): e0277630. <https://doi.org/10.1371/journal.pone.0277630>

70. **Mohamed WMY**, Alghamdi BS and Alexiou A (2023) Editorial: Translational neuroscience and reverse translational neuroscience: What's giving us hope? *Front. Neurosci.* 17:1149819. doi: 10.3389/fnins.2023.1149819
69. Noha M. Abd El-Fadeal, Sara A. Anber, Hoda A. Elkot, Ghada Maged, Iman A. Saeed, Marwa M. Negm, Menna A. Abdelsamad, Asmaa El-bakri, **Wael Mohamed**. COVID-19 and the central nervous system: What is the interplay? *Neuroscience Research Notes.* 2022, V5, I4, P2. <https://doi.org/10.31117/neuroscirn.v5i4.155>
68. Global Parkinson's Genetics Program (GP2) (**Mohamed WMY**). Underrepresented Populations in Parkinson's Genetics Research: Current Landscape and Future Directions. *Mov Disord.* 2022 Aug;37(8):1593-1604. doi: 10.1002/mds.29126. (IF=9.6)
67. Nor Azian Abdul Murad, Siti Aishah Sulaiman, Azlina Ahmad-Annuar, Norlinah Mohamed Ibrahim, **Wael Mohamed**, Shahrul Azmin Md Rani and Kin Ying Mok (2022). Editorial: Genetic and molecular diversity in Parkinson's disease. *Front in Aging Neuroscience.* <https://doi.org/10.3389/fnagi.2022.1094914> (IF=5.7)
66. Benjamín Matías Pizarro Galleguillos, **Wael Mohamed**, Maria Teresa Perinán (2022). The Glycoprotein GPNMB: A Secret Ingredient for Understanding Parkinson's Disease Etiology? Retrieved from <https://doi.org/10.1002/mds.29264> (IF=9.6)
65. **Mohamed, W.** (2022). Parkinson's Plus Syndrome Treatment: Are We There Yet? *IJUM Medical Journal Malaysia*, 21(4). Retrieved from <https://journals.ium.edu.my/kom/index.php/imjm/article/view/>
64. The effects of oral supplementation of Japanese sake yeast on anxiety, depressive-like symptoms, oxidative stress, and BDNF changes in chronically stressed adolescent rats. Motahareh Haghipanah, Maryam Saadat, Asal Safarbalou, Thomas Budde, **Wael Mohamed**, Elham Sadat Afraz, Nasrollah Moradikor. *NeuroLife* 2023; 1 (1) :1-8 URL: <http://lifeneuro.de/article-1-90-en.html>
63. **Wael Mohamed**. AfrAbia Society (AAS): The Secret Ingredient for Advancing AfrAbia Neuroscience Research. Preprint DOI [10.31730/osf.io/xs5uc](https://doi.org/10.31730/osf.io/xs5uc)
62. **Wael Mohamed**, Jaya Kumar, Badrah S. Alghamdi, Al-Hassan Soliman, Yamashita Toshihide. Neurodegeneration and Inflammation Crosstalk: Therapeutic targets and perspectives. *IBRO neuroscience Reports.* Volume 14, June 2023, Pages 95-110 <https://doi.org/10.1016/j.ibneur.2022.12.003> (IF=2.7)
61. Khairiah Razali, Khaled Algantri, Su Peng Loh, Shi-Hui Cheng, **Wael Mohamed**. Integrating Nutriepigenomics in Parkinson's Disease Management: New Promising Strategy in the Omics Era. *IBRO neuroscience Reports.* Volume 13, December 2022, Pages 364-372 <https://doi.org/10.1016/j.ibneur.2022.10.003> (IF=2.7)
60. Khairiah Razali, Noratikah Othman, Mohd Hamzah Mohd Nasir, Abd Almonem Doolaanea, Jaya Kumar, Wisam Nabeel Ibrahim, **Wael Mohamed**. Characterization of neurobehavioral pattern in a zebrafish 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced model: A 96-hour behavioral study. *PLOS ONE.* 2022 Oct 3;17(10): e0274844. doi: 10.1371/journal.pone.0274844. eCollection 2022 (IF=3.24)
59. Kirsty Donald (University of Cape Town) & Mahmoud Maina (University of Sussex & Yobe State University) (Co-Chairs) On behalf of the Organising committee: Amadi Ihunwo (University of the Witwatersrand); Willie Daniels (University of the Witwatersrand); Charles Newton (KEMRI & University of Oxford); Nilesh Patel (University of Nairobi); **Wael Mohamed** (Menoufia Medical School & International Islamic University) Carine Nguemeni (University Hospital Wurzburg). *Advancing African Neuroscience Report. 'Showcasing African Neuroscience' meeting. 2022 (Link).*
58. Kirsten A Donald, Mahmoud Maina, Nilesh Patel, Carine Nguemeni, **Wael Mohamed**, Amina Abubakar, Matthew Brown, Raliza Stoyanova, Andrew Welchman, Natasha Walker, Alexis Willett, Symon M Kariuki, Anthony Figaji, Dan J Stein, Amadi O Ihunwo, William Daniels, Charles R Newton. What is next in African neuroscience? *Elife.* 2022 Jun 22;11: e80488. doi: 10.7554/eLife.80488. (IF=4.7)

57. Loh S-P, Cheng S-H and **Mohamed W.** Edible Bird's Nest as a Potential Cognitive Enhancer. *Front. Neurol.* 06 May 2022. <https://doi.org/10.3389/fneur.2022.865671> (IF=3.77)
56. Hanis Mohammad Hazani, Isa Naina Mohamed, Mustapha Muzaimi, **Wael MY Mohamed**, Mohamad Fairuz Yahaya, Seong Lin Teoh, Rashidi Mohamed Pakri Mohamed, Mohd Fadzli Mohamad Isa, Sundus Mansoor Abdulrahman, Ravi Ramadah, Rahim bin Kamaluddin and Jaya Kumar. Goofballing of opioid and methamphetamine: the science behind the deadly cocktail. *Frontiers in Neuropharmacology.* Front. Pharmacol., 07 April 2022. <https://doi.org/10.3389/fphar.2022.859563> (IF=5.51)
55. Murtala Abubakar, Kamaldeen Sanusi, Azizah Ugusman, **Wael Mohamed**, Haziq Kamal, Ching Soong Khoo and Jaya Kumar. Alzheimer's Disease: an update and insights into pathophysiology. *Front. Aging Neurosci.* 30 March 2022. <https://doi.org/10.3389/fnagi.2022.742408> (IF=5.42)
54. **Wael Mohamed**, Shahedah Koya Kutty, Akram Khedher and Indranath Chatterjee. Development of a Cognitive-based Smartphone Application for Malaysian Parkinson's Disease Patients: Exploring the Possibility? *Neuroscience Research Notes.* V5, N1, 2022. <https://doi.org/10.31117/neuroscirn.v5i1.126>
53. **Wael Mohamed**, Chenju Yi, Lilach Soreq, Toshihide Yamashita. Editorial: Genes and Aging: From Bench-to-Bedside. *Front. Aging Neurosci.*, 30 March 2022. <https://doi.org/10.3389/fnagi.2022.886967> (IF=5.42)
52. Firas Kobeissy, Khalil Mallah, Kazem Zibara, Fatima Dakroub, Zeinab Dalloul, Mohammad Nasser, Leila Nasrallah, ZahraaMallaha, Ghewa A. El-Achkara, Naify Ramadan, **Wael Mohamed**, Stefania Mondello, Eva Hamade, Aida Habib. The effect of clopidogrel and aspirin on the severity of traumatic brain injury in a rat model. *Neurochem Int.* 2022 Feb 1;105301. <https://doi.org/10.1016/j.neuint.2022.105301> (IF=4.29)
51. Kin Y Mok, East Asian Parkinson Disease Genomics Consortium. The East Asian Parkinson Disease Genomics Consortium. *The Lancet Neurol.* 2021 Dec;20(12):982. doi:10.1016/S1474-4422(21)00373-2. (IF=44.18)
50. **Wael Mohamed**, Khairiah Razali, Noratikah Othman, Mohamed Hamza, Abdel Moneem Doolane, Jaya Kumar, Wisam Nabeel. High Mobility Group box1 (HMGB1) protein evaluation in MPTP-induced Zebra Fish Model of Parkinson's Disease. Preprint DOI [10.31730/osf.io/m3shd](https://doi.org/10.31730/osf.io/m3shd)
49. Maryam Mohammadi, Mahdad Abdi, Mehdi Alidadi, **Wael Mohamed**, Kazem Zibara, Iraj Ragerdi Kashani. Medroxyprogesterone acetate attenuates demyelination, modulating microglia activation, in a cuprizone neurotoxic demyelinating mouse model. *Am J Neurodegener Dis* 2021;10(5):57-68. PMCID: [PMC8610806](https://pubmed.ncbi.nlm.nih.gov/38610806/)
48. Mahdad Abdi, Parichehr Pasbakhsh, Maryam Shabani, Saied Nekoonam, Asie Sadeghi, Fardin Fathi, Morteza Abouzaripour, **Wael Mohamed**, Kazem Zibara, Iraj Ragerdi Kashani, Adib Zendedel. Metformin Therapy Attenuates Pro-Inflammatory Microglia by Inhibiting NF-κB in Cuprizone Demyelinating Mouse Model of Multiple Sclerosis. *Neurotox Res* 2021 Sep 27. doi: 10.1007/s12640-021-00417-y. (IF=3.5)
47. Firas H. Kobeissy, Zaynab Shakkour, Samer El Hayek, **Wael Mohammad**, Mark S. Gold, Kevin K. W. Wang. Elevation of Pro-inflammatory and Anti-inflammatory Cytokines in Rat Serum after Acute Methamphetamine Treatment and Traumatic Brain Injury. 2021, *Journal of Molecular Neuroscience.* <https://doi.org/10.1007/s12031-021-01886-8> (IF=3.4)
46. Lilach Soreq, Bergman Hagai, Israel Zvi, Soreq Hermona, **Wael Mohamed**. MicroRNA expression changes in Parkinson's disease (PD) patients' leukocytes prior to and following deep brain stimulation (DBS). 2021, *Am J Neurodegener Dis.*15;10(3):28-33. eCollection. PMCID: [PMC8310831](https://pubmed.ncbi.nlm.nih.gov/38310831/)
45. Hala El-Haroun, Suzy F. Ewida, **Wael Mohamed** and Manar A. Bashandy. Atypical antipsychotic Lumateperone effects on the adrenal gland with possible beneficial effect of

- Quercetin co-administration. 2021, *Front. Physiol.* doi: 10.3389/fphys.2021.674550. (IF=4.13)
44. Majid Ghareghani, Amir Ghanbari, Ali Eid, Abdullah Shaito, **Wael Mohamed**, Stefania Mondello, Kazem Zibara. Hormones in experimental autoimmune encephalomyelitis (EAE) animal models. *Translational Neuroscience*. 2021; 12:164- 189. (IF=1.7)
 43. Khairiah Razali, Noratikah Othman, Mohd Hamzah Mohd Nasir, Abd Almonem Doolaanea, Jaya Kumar, Wisam Nabeel Ibrahim, Norlinah Mohamed Ibrahim and **Wael M. Y. Mohamed**. The promise of the ZF Model for PD: Today's science and Tomorrow's Treatment. *Front. Genet.* 2021. <https://doi.org/10.3389/fgene.2021.655550> (IF=4.2)
 42. Mohamed El-Gamal, Mohamed Salama, Lyndsey E. Collins-Praino, Irina Baetu, Ahmed M. Fathalla, Amira M. Soliman, **Wael Mohamed**, Ahmed A. Moustafa. Neurotoxin-Induced Rodent Models of Parkinson's Disease: Benefits and Drawbacks. *Neurotoxicity Research*. 2021 <https://doi.org/10.1007/s12640-021-00356-8> (IF=3.9)
 41. Rehab Ismail, Chua Huai, Khairunisa Affendi, **Wael Mohamed**, Mohd Fadly Noor. Neuroprotective Effects of Edible Bird's Nest in Chronic Cerebral Hypoperfusion induced neurodegeneration in rats. *Neuroimmunol Neuroinflammation*, 2021;8. <http://dx.doi.org/10.20517/2347-8659.2020.63>
 40. **Wael Mohamed Yousef Mohamed**, Indranath Chatterjee, Mohammad A Kamal (2020). Integrated neural technologies: solutions beyond tomorrow. *Neuroscience research notes*, 3 (5). 0 pp. 1-3. ISSN 2576-828X
 39. Mahmoud Azemi, Ashour, Aliana, **Wael Mohamed**. Neuroprotective Effects of Co-administration of Coenzyme Q10 and Vitamin-E in Chronic Cerebral Hypoperfusion rat animal model. *International Journal of Nutrition, Pharmacology, Neurological Diseases*. 2020; 10;7, 2020.
 38. **Wael Mohamed Yousef Mohamed**, Mohamed M. Salama, Maha M. El Batsh, Eyleen L. Goh (2020). Editorial: contribution of translational animal models to the systems biology of neurodegenerative disorders. *Frontiers in physiology*. 0 pp. 1-3. (IF=4.5)
 37. Stefania Mondello, Mohamed Mosaad Salama, **Wael M. Y. Mohamed** and Firas H. Kobeissy (2020). Editorial: Biomarkers in Neurology. *Front. Neurol.* 11:190. doi: 10.3389/fneur.2020.00190 (IF=4)
 36. Nurul Husna, Mohamad Fairuz Yahaya, **Wael Mohamed**, Seong Lin Teoh, Chua Kien Hui, Jaya Kumar (2020). Pharmacotherapy of Alzheimer's Disease: Seeking clarity in a time of uncertainty. *Frontiers in Pharmacology, section Neuropharmacology*. 11:261. doi: 10.3389/fphar.2020.00261. (IF=5.8)
 35. Mohamed Salama, Sara El-Desouky, Aziza Alsayed, Mahmoud El-Hussiny, Khaled Magdy, Sabry El-Khodery, Mohamed A. Youssef, Mohamed Sobh, **Wael Mohamed**. siRNA blocking of mammalian target of rapamycin (mTOR) in an animal model of tauopathy. *Neurotoxicity Res.* 2018 Oct 25. doi: 10.1007/s12640-018-9974-3. (IF=3.9)
 34. Mohamed Salama, Sara El-Desouky, Aziza Alsayed, Mahmoud El-Hussiny, Abdelrahman Moustafa, Yasmien Taalab, Osama Shabka, **Wael Mohamed**. FOXRED1 silencing: neurodegenerative effects in mice. [Metab Brain Dis.](https://doi.org/10.1007/s11011-018-0334-z) 2018 Nov 3. doi: 10.1007/s11011-018-0334-z. (IF=2.6)
 33. Ghanbari A, Zibara K, Salari S, Ghareghani M, Rad P, **Mohamed W**, Ebadi E, Malekzadeh M, Delaviz H. Light-Emitting Diode (LED) Therapy Attenuates Neurotoxicity of Methanol-Induced Memory Impairment and Apoptosis in The Hippocampus. *CNS Neurol Disord Drug Targets*. 2018. Doi: 10.2174/1871527317666180703111643. (IF=4.3)
 32. Mohamed Salama, Ali Shalash, Alshimaa Magdy, Marianne Makar, Tamer Roushdy Mahmoud El-Balkimy, Hanan Hany Elrassas, Passant Elkafrawy, **Wael Mohamed**, Mohamed Abou Donia. Tubulin and Tau, as targets for diagnosis of parkinson's and Alzheimer's diseases. [PLOS ONE](https://doi.org/10.1371/journal.pone.0196436). 2018 May 9;13(5):e0196436. doi: 10.1371/journal.pone.0196436. eCollection 2018. (IF=3.7)
 31. **Wael Mohamed**, Anil Saxena, Sayida Said, Pakeer Oothman. Oxidative stress status and neuroprotection of tocotrienols in chronic cerebral hypoperfusion-Induced

- Neurodegeneration in Rats. International Journal of Nutrition, Pharmacology, Neurological Disease. 2018; 8:2.
30. Abdelrahman Ibrahim Abushouk, Ahmed Negida, Rahe Abdelsalam Elshenawy, Hossam Zein, Ahmed Menshawy, **Wael MY Mohamed**. C-Abl inhibition, a novel therapeutic target for Parkinson's disease. CNS & Neurological Disorders-Drug Target. 2018 Jun 1. doi: 10.2174/1871527316666170602101538. (IF=3.2)
 29. Moustafa, A. A., Crouse, J.J., Herzallah, M.M., Salama, M., **Mohamed, W.**, Misiak, B., Frydecka, D., Al-Dosari, N. F., Megreya, A. M., Mattock, K. (2019). Depression following major life transitions in women: A review and theory. Psychol Rep. 2019, Aug 30. DOI: [10.1177/0033294119872209](https://doi.org/10.1177/0033294119872209) (IF=1.7)
 28. Ali Shalash, Mohamed Salama, Marianne Makar, Tamer Roushdy, Hanan Hany Elrassas, **Wael Mohamed**, Mahmoud El-Balkimy, Mohamed Abou Donia. Elevated serum alpha synuclein autoantibodies in patients with parkinson's disease relative to Alzheimer's disease and controls. Frontiers in Neurology. 2017; <https://doi.org/10.3389/fneur.2017.00720>. (IF=4)
 27. Mohamed Salama, Mahmoud El-Husseiny, Magdy A, Omran AG, Alsayed R, **Wael MY Mohamed**. Dual mTORC1/mTORC2 blocker as a possible therapy for tauopathy in cellular model. Metab Brain Dis. 2017; DOI: 10.1007/s11011-017-0137-7. (IF=2.6)
 26. Kazem Zibara, Nabil El-Zein, Mirna Sabra, Mohammad Hneino, Hayat Harati, **Wael Mohamed**, Firas Kobeissy, Nouhad Kassem. Thyroxine (T4) transfer from blood to CSF in sheep isolated choroid plexus: role of MRPs and OATP's. Front. Neurol. 2017; 8:214 doi: 10.3389/fneur.2017.00214. (IF=4)
 25. Mohamed Salama, Mahmoud Sobh, Mahmoud Emam, Ahmed Abdalla, Dina Sabry, Mohamed El-Gamal, Ahmed Lotfy, Mahmoud El-Husseiny, Mohamed Sobh, Ali Shalash, **Wael MY Mohamed**. Intranasal stem cells delivery preserves nigrostriatal system in Parkinson's disease mouse model. Experimental and Therapeutic Medicine. 2017; 13:976-982 DOI: 10.3892/etm.2017.4073. (IF=2.4)
 24. Moustafa, A. A., Hassan, M., Hewedi, D., Garami, J., Alashwal, H., Zaki, N., Seo, S.Y3., Cutsuridis, V., Angulo, S. L., Hewedi, E., Natesh, J. Y., Herzallah, M. M., Frydecka, D., Misiak, B., Salama. M., **Mohamed, W.**, El Haj, M., Hornbeger, M. (2017). Genetic Underpinnings in Alzheimer's disease – a review. Reviews in the Neurosciences. 2017 Sep 26. doi: 10.1515/revneuro-2017-0036. (IF=12.4)
 23. Moustafa, A. A., Salama, M., Peak, R., Tindle, R. Salem, A., Keri, S., Misiak, B., Frydecka, D., **Mohamed, W.** Interactions between Cannabis and Schizophrenia in Humans and Rodents. Reviews in the Neuroscience. Rev Neuroscience. 2017. doi: 10.1515/revneuro-2016-0083. (IF=12.4)
 22. Ramadan M Elkalimi, Akshaya S Bhagavathul, Adamu Ya'u, Sami A Al-Dubai, Tarek M Elsayed, Akram Ahmad, **Wael Mohamed**. Familiarity, perception, and reasons for electronic-cigarette experimentation among the general public in Malaysia: Preliminary insight. J Pharm Bioallied Sci. 2016; 8(3): 240-7. doi: 10.4103/0975- 7406.180768. (IF=1.4)
 21. Mohamed Salama, **Wael M.Y. Mohamed**. Tau protein as a biomarker for asphyxia: A possible forensic tool? Appl Transl Genom. 2016, 9; 20-22, doi: [10.1016/j.atg.2016.03.001](https://doi.org/10.1016/j.atg.2016.03.001) (IF=4.2)
 20. Huda I. Abd Elhafiz, Maha M. El Batsh, **Wael M. Y. Mohamed**, Magda A. Mansour, Eman A. E. Badr, Abd Elrahman A. Yassin, Adel H. Omar. The protective effect of calcitriol on diabetic neuropathy in STZ-induced diabetic rats. British Journal of Pharmaceutical Research. 2015; 8(1): 1-15. doi: DOI: 10.9734/BJPR/2015/1959
 19. Mohamed Salama, Ahmed Lotfy, Khaled Fathy, Maria Makar, Mona El-emam, Aya Elgamal, Mohamed El-gamal, Ahmad Badawy, **Wael MY Mohamed**, Mohamed Sobh. Developmental neurotoxic effects of Malathion on 3D neurospheres system. Appl Transl Genom. 7(2015); 13-18. doi: 10.1016/j.atg.2015.07.001. (IF=4.2)

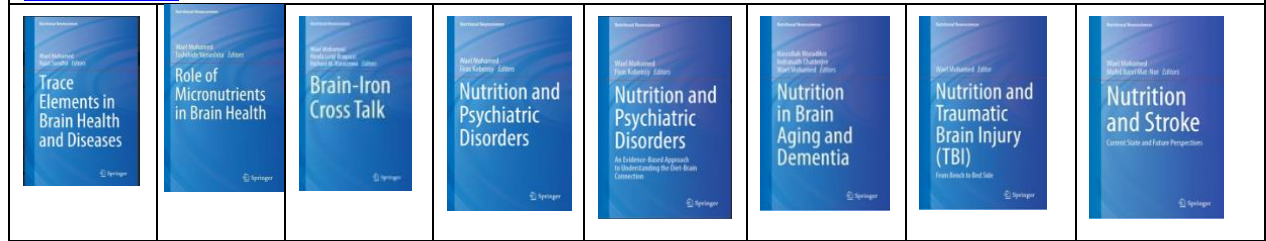
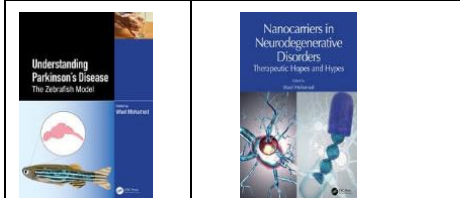
18. Anil Kumar Saxena, Saif Saad Abdulmajeed, Sunil Gurtu, **Wael MY Mohamed**. Investigation of redox status in chronic cerebral hypoperfusion-induced neurodegeneration in rats. *Applied and Translational Genomics*. 2015 [doi:10.1016/j.atg.2015.05.004](https://doi.org/10.1016/j.atg.2015.05.004)
17. **Mohamed WM**. Possible Alteration of Catecholaminergic Transporters in Specific Brain Areas of Iron Deficit Rats. *Annals of Neuroscience*. 2015; Vol22, No1. (IF=1.6)
16. Thomas K. Karikari, Emmanuel Quansah, **Wael M.Y. Mohamed**. Developing expertise in bioinformatics for biomedical science in Africa. *Appl Transl Genom*. 2015 Sep; 6:31-34 doi: [10.1016/j.atg.2015.10.002](https://doi.org/10.1016/j.atg.2015.10.002)
15. Thomas K. Karikari, Emmanuel Quansah, **Wael M.Y. Mohamed**. Widening participation would be key in enhancing bioinformatics and genomics research in Africa. *Appl Transl Genom*. 2015 Sep; 6:35-41 doi: [10.1016/j.atg.2015.09.001](https://doi.org/10.1016/j.atg.2015.09.001)
14. Mohamed Salama, **Wael MY Mohamed**. NDUFA12L mitochondrial complex-I assembly factor: Implications for taupathies. *Applied and Translational Genomics*. 2015. PMC ID 4745364 [doi:10.1016/j.atg.2015.05.003](https://doi.org/10.1016/j.atg.2015.05.003)
13. **Mohamed, Wael MY**. Neurogenomics: An Egyptian Perspective. *Applied and Translational Genomics*. 2015. PMC ID 4745359 [doi:10.1016/j.atg.2015.04.003](https://doi.org/10.1016/j.atg.2015.04.003)
12. Mohamed Salama, Doaa El-Morsy, Mohamed El-Gamal, Osama Shabka, **Mohamed WM**. Mitochondrial complex I inhibition as a possible mechanism of chlorpyrifos induced neurotoxicity. *Annals of Neuroscience*. 2014; 21(3): 85-9. (IF=1.6)
11. **Mohamed WM**, Unger EL, Kambhampati SK, Jones BC. Methylphenidate improves cognitive deficits produced by infantile iron deficiency in rats. *Behav Brain Res*. 2011 ; 216 (1):146-52 (IF=3.4)
10. **Mohamed, Wael MY**. Treating Parkinson's. *Bulletin of World Parkinson's Program*. Vol. 5, No. 8, 2013.
09. **Mohamed, Wael MY**. Egyptianization of Psychology. *International Psychology Bulletin*. Volume 16, No 3, Summer 2012.
08. **Mohamed, Wael MY**. Psychology in Egypt: Challenges and Hopes. *Psychology International Newsletter*. 2012; 23(1) :1-3. ([Link](#))
07. **Mohamed WM**, Jean-Christophe Cassel, Ben Hamids Sami, Anne Pereira de Vasconcelos, Jones BC. MDMA: Interactions with other psychoactive drugs. *Pharmacology, Biochemistry and Behavior*. 2011; 99 :759-74. (IF=3.4)
06. **Mohamed WM**, Hamida SB, de Vasconcelos AP, Cassel JC, Jones BC. Interactions between 3, 4-Methylenedioxymethamphetamine and Ethanol in Humans and Rodents. *Neuropsychobiology*. 2009; 60(3-4): 188-94. (IF=2.5)
05. **Yousef WM**, H. Fallah Huseini, B. Larijani, H. Fakhrzadeh, S.B. Radjabipour, R. Heshmat, R. Heydar. Clinical investigations of silybum marianum seed extract (silymarin) treatment in type-II diabetic patients. *J Pharmacological and Toxicological Methods*. 2007; 56:e8 (IF: 2.31)
04. **Yousef WM**, Morsy MD, Abdel-Waheed MM, Ghanayem NM, Omar AH. Renoprotective effects of ACE inhibitors and calcium channel blockers in diabetic hypertensive nephropathy in rats. *J Pharmacological and Toxicological Methods*. 2007; 56 (2):e7 (IF: 2.3)
03. **Yousef WM**, Omar AH, Ghanayem NM, El-Wahed MM, Morsy MD. Effect of some calcium channel blockers in experimentally induced diabetic nephropathy in rats. *International Journal of Diabetes and Metabolism*. 2006;14:39-49. (IF=5.3)
02. **Yousef WM**, Omar AH, Morsy MD, Abd El-Wahed MM, Ghanayem NM. The mechanism of action of calcium channel blockers in the treatment of diabetic nephropathy. *International Journal of Diabetes and Metabolism*. 2005; 13:76-82. (IF=5.3)
01. **Yousef WM**, Morsy MD, Abdel-Waheed MM, Ghanayem NM, Omar AH. Effect of some calcium channel blockers in experimentally induced diabetic nephropathy in rats. *Iranian Journal of Pharmacology & Therapeutics*. 2004; 3:45-56.

B-Preprints

1. **Wael Mohamed**, Khairiah Razali, Noratikah Othman, Mohamed Hamza, Abdel Moneem Doolane, Jaya Kumar, Wisam Nabeel Ibrahim, High-Mobility Group Box 1 (HMGB1) Protein Evaluation In MPTP-Induced Zebrafish Model Of Parkinson's Disease. Preprint DOI [10.31730/osf.io/m3shd](https://doi.org/10.31730/osf.io/m3shd)
2. **Wael Mohamed**. The promise of Tele-Dementia: Today's science and tomorrow's trial. Preprint DOI [10.31730/osf.io/pxq32](https://doi.org/10.31730/osf.io/pxq32)
3. **Wael Mohamed**. A case study of Child with Fits. Preprint DOI [10.31730/osf.io/juawx](https://doi.org/10.31730/osf.io/juawx)
4. **Wael Mohamed**. A case study of Multiple Sclerosis (MS). Preprint DOI [10.31730/osf.io/6g7cm](https://doi.org/10.31730/osf.io/6g7cm)
5. **Wael Mohamed**. Atypical antipsychotic Lumateperone Beyond Schizophrenia: Seeking clarity in a time of Uncertainty. Preprint DOI [10.31730/osf.io/26xec](https://doi.org/10.31730/osf.io/26xec)
6. **Wael Mohamed**. Assessment of cognitive functions and development of cognitive based smart phone application for Malay Parkinson Disease Patients. Preprint DOI [10.31730/osf.io/nm3dz](https://doi.org/10.31730/osf.io/nm3dz)
7. **Mohamed, W.M.Y.** Connecting the Dots: AfrAbia's Environmental Challenges and Parkinson's Disease. Preprints 2024, 2024011168. <https://doi.org/10.20944/preprints202401.1168.v1>

C-Books

- 12-**Wael Mohamed**, Editor (2024). Essential Guide to Neurodegenerative Disorders: Mechanistic, Diagnostic and Therapeutic Advances. Elsevier. <https://shop.elsevier.com/books/essential-guide-to-neurodegenerative-disorders/mohamed/978-0-443-15702-8>
- 11- **Wael Mohamed**, Editor (2024). Zebrafish as a model for Parkinson's disease. CRC press. <https://doi.org/10.1201/9781003402893>
- 10-**Mohamed, W.** (Ed.). (2024). Nanocarriers in Neurodegenerative Disorders: Therapeutic Hopes and Hypes (1st ed.). CRC Press. <https://doi.org/10.1201/9781003383376>
- 9-**Wael Mohamed**, Editor (2024). Translational Animal Models of PD and Related Movements Disorders. Elsevier. <https://shop.elsevier.com/books/translational-models-of-parkinson-s-disease-and-related-movement-disorders/mohamed/978-0-443-16128-5>
- 8-**Wael Mohamed**, editor (2024). Nutrition and Traumatic Brain Injury: From Bench to Bedside. Springer. <https://link.springer.com/book/9789819763405>
- 7-**Wael Mohamed** and Basri Mohamed, Eds (2024). Nutrition and Stroke: Current State and Future Perspectives. Springer. <https://link.springer.com/book/9789819768172>
- 6- Nasrollah Moradikor, Indranath Chatterjee, **Wael Mohamed**, eds (2024). Nutrition in Brain Aging and Dementia. Springer. <https://link.springer.com/book/9789819741168>
- 5- **Mohamed, W. M.** Firas Kobeisy, eds. (2024). Nutrition and Psychiatric Disorders: An Evidence-Based Approach to Understanding the Diet-Brain Connection. Springer. <https://doi.org/10.1007/978-981-97-2681-3>
- 4- **Mohamed, W.**, Sandhir, R. (eds) Trace Elements in Brain Health and Diseases. Springer. <https://doi.org/10.1007/978-981-99-1513-2>
- 3- **Mohamed, W. M.**, Nicole Luigi Brogazzi, Richard M Kostrzewa eds. (2022). Brain-Iron Crosstalk. Springer. <https://link.springer.com/book/10.1007/978-981-19-7327-7>
- 2- **Mohamed, W. M.** Firas Kobeisy, eds. (2022). Nutrition and Psychiatric Disorders. Springer. <https://link.springer.com/book/10.1007/978-981-19-5021-6>
- 1- **Mohamed, W. M.**, & Yamashita, T., eds. (2022). Role of Micronutrients in Brain Health. Springer. <https://doi.org/10.1007/978-981-16-6467-0>

SPRINGER**Taylor & Francis (CRC)****ELSEVIER****D-E-Books**

4-Kumar, J., Mohamed, **W. M. Y.**, Borroto-Escuela, D. O., Sangu, M., Rashid, R., Mohamad Isa, M. F., Shanmugam, P. K., eds. (2024). Substance use disorder: Above and beyond addiction. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-8325-4949-0

3-**Mohamed, W. M. Y.**, Kobeissy, F. H., Mondello, S., eds. (2023). Biomarkers in neurology, volume II. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-8325-3105-1

2- **Mohamed, W. M. Y.**, Yi, C., Soreq, L., Yamashita, T., eds. (2022). Genes and Aging: From Bench Side to Bed Side. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88974-974-4

1- Salama, M. M., Mondello, S., Kobeissy, F. H., **Mohamed, W. M. Y.**, eds. (2020). Biomarkers in Neurology-Vol-I. Lausanne: Frontiers Media SA. doi:10.3389/978-2-88963-693-8

**E-Book Chapters**

23-Yassaad, H., Kahoul, M., Ali, M.M.R., Balouta, L., **Mohamed, W.** (2024). Experimental Models of Stroke: Seeing the Unseen. In: Mohamed, W., Mat-Nor, M.B. (eds) Nutrition and Stroke. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-6818-9_3

- 22-Wadan, AH.S., **Mohamed, W.** (2024). Unveiling Stroke: Biomarkers and Diagnostic Strategies. In: Mohamed, W., Mat-Nor, M.B. (eds) Nutrition and Stroke. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-6818-9_4
- 21-Abo-Elenien, W.I., **Mohamed, W.** (2024). Exploring the Relationship Among Stroke, Hypertension, and Hyperlipidemia: A 10-Year Bibliometric Analysis. In: Mohamed, W., Mat-Nor, M.B. (eds) Nutrition and Stroke. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-6818-9_8
- 20-**Mohamed, W.**, Mohamed, W. (2024). Nutrition and TBI: Synthesizing Insights from Bench to Bedside. In: Mohamed, W. (eds) Nutrition and Traumatic Brain Injury (TBI). Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-6341-2_19
- 19-**Mohamed, W.**, Kobeissy, F. (2024). Probing Traumatic Brain Injury Pathophysiology: Lessons from the Zebrafish Model. In: Mohamed, W. (eds) Nutrition and Traumatic Brain Injury (TBI). Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-6341-2_2
- 18-**Wael Mohamed**. Various Zebrafish models of Parkinson's disease: What gives us hope. December 2024. In Translational Models of Parkinson's Disease and related Movement Disorders. Elsevier. eBook ISBN: 9780443161292
- 17-**Wael Mohamed**. Nutrigenomics and Parkinson's Disease. December 2024. In Essential Guide to Neurodegenerative Disorders: Mechanistic, Diagnostic and Therapeutic. Elsevier. eBook ISBN: 9780443157035
- 16-**Wael Mohamed**. The promise of Tele-Dementia: Today's science and tomorrow's trial. December 2024. In Essential Guide to Neurodegenerative Disorders: Mechanistic, Diagnostic and Therapeutic. Elsevier. eBook ISBN: 9780443157035
- 15-**Wael Mohamed**. Atypical antipsychotic Lumateperone beyond schizophrenia: Seeking clarity in a time of uncertainty. December 2024. In Essential Guide to Neurodegenerative Disorders: Mechanistic, Diagnostic and Therapeutic. Elsevier. eBook ISBN: 9780443157035
- 14-**Wael Mohamed**. Dementia in AfrAbia: A bibliometric analysis. December 2024. In Essential Guide to Neurodegenerative Disorders: Mechanistic, Diagnostic and Therapeutic. Elsevier. eBook ISBN: 9780443157035
- 13-**Wael Mohamed**. Pharmacotherapy of Alzheimer's disease: A thorny road to success. December 2024. In Essential Guide to Neurodegenerative Disorders: Mechanistic, Diagnostic and Therapeutic. Elsevier. eBook ISBN: 9780443157035
- 12-**Wael Mohamed**. Mendelian Randomization and Parkinson's Disease. September 2024. In book: Integrative Omics in Parkinson's Disease. AP. eBook ISBN: 9780443135514
- 11-**Wael Mohamed**. Zebrafish Model for Drug Discovery and screening. August 2024. In book: Zebrafish as a Model for Parkinson's Disease. CRC. doi: <https://doi.org/10.1201/9781003402893-24>
- 10-**Wael Mohamed**. Smart Capsule and Edible Bird's Nest. Charting New Frontiers in Parkinson's Disease Defense: An Experimental Protocol Perspective. August 2024. In book: Zebrafish as a Model for Parkinson's Disease. CRC. doi: <https://doi.org/10.1201/9781003402893-23>
- 9- **Mohamed, Wael**; Lilach Soreq. Computational Analysis of Biological Data: Where Are We?. July 2024. In book: Computational Modelling and Simulation in Biomedical Research. DOI: 10.2174/9789815165463124010005
- 8- **Mohamed, W.**, Ibeh, S. *et al.* (2024). The Western Diet Puzzle: Connecting Metabolic Dysfunction to Cognitive and Neurological Consequences. In: Mohamed, W., Kobeissy, F. (eds) Nutrition and Psychiatric Disorders. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-97-2681-3_21
- 7- Soliman, AH., **Mohamed, W.** (2023). Nutrigenomics and Trace Elements: Hopes and Hypes for Parkinson's Treatment. In: Mohamed, W., Sandhir, R. (eds) Trace Elements in Brain Health and Diseases. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-99-1513-2_3 CHAPTER-3

- 6- **Mohamed, W.** (2023). Edible Bird's Nest: Seeing the Unseen. In: Mohamed, W., Sandhir, R. (eds) Trace Elements in Brain Health and Diseases. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-99-1513-2_6 **CHAPTER-6**
- 5- Ransing, R., Menon, V., Kar, S.K., de Filippis, R., **Mohamed, W.** (2022). Nutrition and Depression. In: Mohamed, W., Kobeissy, F. (eds) Nutrition and Psychiatric Disorders. Nutritional Neurosciences. Springer, Singapore. https://doi.org/10.1007/978-981-19-5021-6_8
- 4- **Wael Mohamed.** The psychology of religion in Egypt. The Cambridge International Handbook of Psychology of Religion. Cambridge University Press. *In production.*
- 3- Samir, B., Youssef, A., **Mohamed, W.** (2022). Neuroprotective and Anxiolytic Effects of Date Seeds Phenolic Compounds in Nicotinamide-Streptozotocin-Induced Type 2 Diabetic Rats. In: Rajagopal, S., Ramachandran, S., Sundararaman, G., Gadde Venkata, S. (eds) Role of Nutrients in Neurological Disorders. Nutritional Neurosciences. **CHAPTER-6.** Springer, Singapore. https://doi.org/10.1007/978-981-16-8158-5_6
- 2- Zeghari, L., Youssef, A., Samir, B., Abdallah, A., **Mohamed, W.** (2022). Impact of a Psychological Follow-Up of Diabetics in the Management of Diabetes in Morocco. In: Rajagopal, S., Ramachandran, S., Sundararaman, G., Gadde Venkata, S. (eds) Role of Nutrients in Neurological Disorders. Nutritional Neurosciences. **CHAPTER-5.** Springer, Singapore. https://doi.org/10.1007/978-981-16-8158-5_5
- 1- Sara El-Desouky, Yasmeen M. Taalab, Mohamed El-Gamal, **Wael Mohamed Yousef Mohamed**, Mohamed M. Salama (2019) Animal model for leigh syndrome. In: Firas El Kobeisy (ed) Psychiatric disorders: methods and protocol. **CHAPTER-27.** Humana Press, New York, pp. 451-466. ISBN 978-1-4939-9553-0

F-Guest Associate Editor – Journal Special Issues

- 9- Neuroscience in Asia Pacific IBRO Neuroscience Reports. 2022 [Link](#)
- 8- Translational Neuroscience and Reverse Translational Neuroscience: What's Giving Us Hope? Frontiers in Neuroscience. 2022 [Link](#)
- 7- Neuron-glial Interaction from Bench Side to Bedside: Seeing the Unseen. Frontiers in Neurology. 2021 [Link](#)
- 6- Zebrafish as a Translational Neuroscience Model: Today's Science and Tomorrow's Success. Frontiers in Molecular Neuroscience. 2021 [Link](#)
- 5- Blood brain barrier and neuroinflammation. Neuroinflammation and Neuroimmunology Journal, 2021.
- 4- Genes and Aging: From Bench Side to Bed side. Frontiers in Aging Neuroscience. 2021 [Link](#)
- 3- Contribution of Translational Animal Models to the Systems Biology of Neurodegenerative Disorders, Volume II. Frontiers in Genetics. 2021 [Link](#)
- 2- Contribution of Translational Animal Models to the Systems Biology of Neurodegenerative Disorders. Frontiers in Physiology. 2020. [Link](#)
- 1- Biomarkers in Neurology. Frontiers Neuroscience. 2019. [Link](#)

D-View & Open articles

Brain Bites Column-The Health Magazine- Malaysia

23. Precision medicine: Be Ready to a Digital Immigrant. The health Magazine. September 2023-Malaysia ([Link](#))
22. Precision medicine: Data is the new Gold. The health Magazine. July 2023-Malaysia ([Link](#))
21. Precision medicine: A bed to bench to bed approach. The health Magazine. June 2023-Malaysia ([Link](#))
20. Coffee is a hug in a mug. The health Magazine. April 2023-Malaysia ([Link](#))
19. Does your sleeping position matters? The health Magazine. January 2023-Malaysia ([Link](#))

18. Crossing Fingers and Paws for Parkinson's Disease. The health Magazine. Dec 2022-Malaysia ([Link](#))
17. Pharmacognosy and PD prevention. The health Magazine. Nov 2022-Malaysia ([Link](#))
16. Eating your way to good health. The health Magazine. October 2022-Malaysia ([Link](#))
15. Is Sugar or Fat Worse? The health Magazine. August 2022-Malaysia ([Link](#))
14. Dance like no ones' watching. The health Magazine. April 2022-Malaysia ([Link](#))
13. Leaving or living with Alzheimer's Disease. The health Magazine. February 2022-Malaysia ([Link](#))
12. Accepting the unacceptable. The health Magazine. December 2021-Malaysia ([Link](#))
11. Doses of Reality. The health Magazine. September 2021-Malaysia ([Link](#))
10. Saints and rogues in academia. The health Magazine. September 2021-Malaysia ([Link](#))
9. Let's try to do it right. The health Magazine. August 2021-Malaysia ([Link](#))
8. The price of research collaboration. The health Magazine, June 2021-Malaysia ([Link](#)).
7. Is an H-index of 13 shameful? The health Magazine, May 2021-Malaysia ([Link](#)).
6. Burnout in Academia: The Health Magazine, April 2021-Malaysia. ([Link](#))
5. Searching for Answers. Graduate Psych Magazine. January 2012, Vol10, No1, P44. ([Link](#))

Others

4. Ritalin may ease early iron deficiency damage. PSU Live; February 2, 2011. ([Link](#))
3. Mohamed, Wael MY (2008): Arab and Muslim contributions to modern neuroscience. IBRO History of Neuroscience.
2. Mohamed, Wael MY (2008): The Edwin Smith Surgical Papyrus: Neuroscience in Ancient Egypt. IBRO History of Neuroscience.
1. Success Story for Egyptian Neuroparmacologist. IBRO publication. Vol 34, 2006

E- Abstracts Presentation at International Conferences

W. Mohamed. Establishing and validating 1-methyl-2-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced zebrafish model of Parkinson's disease [abstract]. Mov Disord. 2022; 37 (suppl 1). <https://www.mdsabstracts.org/abstract/establishing-and-validating-1-methyl-2-phenyl-1236-tetrahydropyridine-mptp-induced-zebrafish-model-of-parkinsons-disease/>. Accessed September 20, 2022. #1172

Wael Mohamed. Establishing and validating 1-methyl-2-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced zebrafish model of Parkinson's disease. International Congress of Parkinson's Disease and Movement Disorders®, in Madrid, Spain from September 15 – 18, 2022. Abstract # 1172

Mohamed WM. neuroprotective effects of combined administration of coenzyme q10 and vitamin-E in chronic cerebral hypoperfusion-induced neurodegeneration in rats. Abstract# 1712. International Congress of Movement Disorder Society Nice, France, September 22- 26, 2019.

Mohamed WM, (August-2013). Hubris Syndrome: An Egyptian Perspective. Abstract # [CPSYC 1139]. The International Congress on Clinical Counseling Psychology (CPSYC), Istanbul– Turkey.

Mohamed WM, (April-2013). Effects of early iron deficiency on catecholaminergic transporters in rat brain. Abstract # [A-495-0042-00445]. The 21st European Congress of Psychiatry. Nice, France.

Sue R Beers, Mohamed El-Bahy, **Wael MY Mohamed,** (December-2012). Assessing Head Trauma in Children: Arabic Translation of the Pediatric Glasgow Outcome Scale- Extended. Abstract No 0193. The 12nd Pan Arab Psychiatric Conference, Dubai, UAE.

Mohamed WM, (October-2012). Early Iron Deficiency and Attentional Deficits from Basic Science to Treatment. Abstract No 0193. The 12nd SPS Annual Meeting. Phoenix, AZ, USA.

- Mohamed WM**, (September-2012). Effects of early iron deficiency on catecholaminergic transporters in rat brain. 4th Conference of the Mediterranean Neuroscience Society (MNS), September 30 – October 3, 2012 , Istanbul, TURKEY. Poster# P046 – Abstract# 23
- Mohamed WM**, Unger EL, Jones BC (April-2012). Neurobehavioral Sequale of Early Iron Deficiency in Rats. Poster presented at Neuromed School: the neuroscience of addiction-neurobiological mechanisms and behavioral implications. Tetouan, Morocco.
- Mohamed WM**, Unger EL, Jones BC (March-2012). Early Iron Deficiency Effects in Rat Animal Model (New Findings). Poster presented at Middle East Conference on Depression and Anxiety Spectrum Disorder from Basic Science to the Clinic and Back. University of Jordan, Amman, Jordan.
- Mohamed WM**, Unger EL, Kambhampati SK, Jones BC (June-2010). Methylphenidate improves cognitive deficits produced by infantile iron deficiency in rats. Poster presented at 89th Annual National GWIS (Graduate Women in Science) Conference; Bridges STEM (Science, Technology, Engineering and Mathematics) Symposium Poster and Networking, PSU, USA. Abstract# 4
- Mohamed WM**, Unger EL, Jones BC (April-2010). Methylphenidate improves attentional abilities of rats made iron deficient in early infancy. Poster presented at 17th Annual Meeting of the Cognitive Neuroscience Society (CNS), Montreal, Canada. Poster # B16.
- Mohamed WM**, Unger EL, Jones BC (March-2010). Methylphenidate Improves Cognitive Performance of Rats made Iron Deficient in Early Infancy. Poster presented at 25th Annual Graduate Exhibition. PSU, USA.
- Mohamed WM**, Unger EL, Jones BC (March-2010). Perceptual attentional set-shifting is impaired in rats made iron deficient in early infancy. Poster presented at Health and Human Development Interdisciplinary Research Forum and Social. PSU, USA.
- Mohamed WM**, Unger EL, Jones BC (March-2010). Methylphenidate improves attentional abilities of rats made iron deficient in early infancy. Poster presented at 21st Annual Meeting of the American Neuropsychiatric Association (ANPA), Florida, USA.
- Mohamed WM**, Unger EL, Jones BC (February-2010). Treatment with Psycho-stimulant drug Improves Cognitive Performance of Rats in an Attentional Set-Shifting Test. Poster presented at The 2010 Achievement Conference, PSU, USA.
- Mohamed WM**, Unger EL, Jones BC (November-2009). A preliminary investigation into the effects of dopamine stimulating drugs on attentional deficits produced by early iron deficiency in rats. Poster presented at Penn State Neuroscience Research Day, PSU, USA.
- Mohamed WM**, Unger EL, Jones BC (October-2009). A Preliminary investigation of attentional deficits produced by early iron deficiency in rats. Program No.873.6/DD67. The 39th Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online
- Mohamed WM**, Unger EL, Jones BC (March-2009). Early Iron Deficiency and Attentional Deficits: From Basic Science to Treatment. Poster presented at the 24th Annual Graduate Exhibition. PSU, USA.
- Yousef WM**, Omar AH, Ghanayem NM, El-Wahed MM, Morsy MD (September-2006). Effects of some calcium channel blockers in experimentally induced diabetic nephropathy in rats. Poster presented at the 6th Annual Meeting of Safety Pharmacology Society (SPS). San Diego, California, USA
- Yousef WM**, H. Fallah Huseini, B. Larijani, H. Fakhrzadeh, S.B. Radjabipour, R. Heshmat, R. Heydar (September-2006). Clinical investigations of silybum marianum seed extract (silymarin) treatment in type-II diabetic patients. Poster presented at the 6th Annual Meeting of Safety Pharmacology Society (SPS). San Diego, California, USA
- Yousef WM**, Morsy, M.D., Abd El-Wahed, M.M., Ghanayem, N.M., Omar, A.H. (June-2004). Effects of some calcium channel blockers in experimentally induced diabetic nephropathy in rats. Poster presented at the 8th International Symposium on Resistance Arteries (www.isra2004.org), Angers, France. Abstract# 7-2

FELLOWSHIPS, RECOGNITION & AWARDS

FELLOWSHIPS

January 2021	Fellowship to attend Molecular Neurodegeneration and Therapeutic Approaches – Welcome Genome Campus, UK
Fall-2011	Graduate Assistantship – The Huck Institutes of Life Sciences, PSU
2010-2011	Graduate Assistantship – Penn State Hershey Medical Center, College of Medicine
2006-2010	PhD Graduate Fellowship - Egyptian Ministry of Higher Education

RECOGNITION & AWARDS

Sept 2022	MDS 2022 Travel Award-Madrid, Spain
July 2022	Highest Citation award
Takrim Day 2022 – IIUM	Top 10 MYRA performance award
May-2022	Best Research Team award
January-2022	Travel Award to attend MDS annual meeting, Spain-2022
	Top Researcher with the highest amount of grants received from 2019 -2021-KOM-IIUM-Malaysia
	Top Researcher with the highest number of joint publications from 2019 -2021–KIM-IIUM-Malaysia
July-2020	ALBA-FKNE-YIBRO Diversity Grant – FENS Virtual Forum
June-2015	Travel grant-Movements Disorders Society Meeting, USA
May-2014	ECP Achievement Award Winner/APA2014 Convention
July-2013	Early Career Professional Award from APA (non-USA based)
May-2012	Outstanding Doctoral Dissertation Award granted by the National Academy of Neuropsychology (NAN). This award is in recognition of an excellent neuropsychology-related dissertation.
April-2012	Travel Award – 3rd Neuromed school on “neuroscience of addiction: neurobiological mechanisms and behavioral implications”. Tetouan, Morocco
March-2012	Early Career Award – Middle East Conference on Depression and Anxiety Spectrum Disorder from Basic Science to the Clinic and Back, University of Jordan, Amman, Jordan
September-2006	Student Travel Award - Safety Pharmacology Society (SPS) 6th Annual Meeting, San Diego, California, USA
March-2006	Certificate of Recognition - The European Dana Alliance for the Brain for organization of Brain Awareness Day at EGYPT
April-2005	Young Scientists Award - the 9th Annual Meeting of Egyptian Hypertension Society (EHS) and World Hypertension League Regional Meeting: Cairo, Egypt
March-2005	Best Poster Award - Pan Arab Conference on Diabetes (PACD-9th): Cairo, Egypt,
October-2004	Young Scientists Award - HUPO 3rd annual World Congress (Proteomics, Decoding the genome), China

INVITED TALKS/PANELS (SCHOOLS & WOEKSHOPS)

April-2021	7th International Workshop (virtual) on Food and Brain Health- the Sultan Qaboos University-Aman
October-2019	{Zebra fish: an affordable animal model in neurodegeneration} IBRO-MENA school, AUB, Lebanon
July 2019	{Zebra fish: an affordable animal model in neurodegeneration} IBRO-MENA school, AUB, Lebanon
March 2018	{EEG modification in animal model of epilepsy} Monash University, KL, Malaysia

March 2018	{Using CNTs impregnated with stem cell in treating AD rat model} NanoSci and Nanomedicine, Medical School, UiTM, KL, Malaysia
December 2017	{Dopamine: the good, the bad and the ugly} IBRO-MENA school, Jordan
September 2017*	{Translational neuroscience} 1st IBRO-APRC associate school of neuroscience: translational neuroscience and research, Dahka, Bngladesh
June-2017*	{Translational neuroscience: 2VO rat animal model in focus} IBRO-APRC associate school 2017, NUS, Singapore
August-2016*	{Zooming into the cellular and subcellular compartments of the neurons} APSN-ISN Neuroscience School 2016, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia
July-2016*	{Neurobiological markers: neurodegenerative disorders in focus} IBRO/APRC Associate School of Neuroscience: Translational Neuroscience. Phitsanulok, Thailand
June-2015	{How dopamine talks to the world through the brain}-Symposium Chair MNS 2015 meeting, Sardinia, Italy
March-2015	{Dietary Habits are a major aspect of people's lifestyle that influence mental health} – Symposium Chair 12th International Meeting of Society of Neuroscientists of Africa (SONA) Durban, South Africa
March-2015	{Translational research: Brain-Diabetes cross talk}-Symposium Chair 19th Pan Arab Conference on Diabetes (PACD19), Cairo, Egypt
April-2014	{Biopsychology of ADHD: What are the animal data tells us} 10th international conference on psychiatry, Jeddah, KSA
September- 2013	{Animal model of Psychosis and Nicotine} First Waterpipe conference in the Middle East, Abu-Dhabi, UAE
June-2013*	{Several lectures about addiction} IBRO Addiction school, Morocco
March-2013	{Several lectures about neurosciences and brain storming sessions} Kenitra faculty of medicine, school, Rabat, Morocco
February-2013	{Psychology in The Middle East: Challenges and Hopes} The 2nd Annual International Conference on Cognitive and Behavioral Psychology (CBP 2013). ID02. Singapore
November- 2012	“What do psychologists do?” (Roundtable discussion with guest psychologists from different specializations) American University of Cairo (AUC), Cairo, Egypt
October-2012	{Effects of Early Iron Deficiency on Catecholaminergic Transporters in Rat Brain} Nano-symposium Session. The 42nd Annual SfN Meeting, Abstract #1324. New Orleans, USA
October-2012	{Curriculum development and problem-based learning for medical school} Libyan International Medical University (LIMU), Benghazi, Libya
October-2012	{Arab Contribution to Neuroscience} Theme H Session. The 42nd Annual SfN Meeting, Abstract #1334. New Orleans, USA
September- 2012*	{An Introduction to Addiction} 5th IBRO/SFN/NAS Teaching Tools Workshop. Durban, South Africa
September- 2012	{MNS conference} Istanbul, Turkey
September- 2012	{Early Iron Deficiency Anemia and its effects on attention and memory in rat's animal model and ADHD kids} Inmed Meeting “Understanding brain Development and Correcting Neurological Disorders”, Saint-Raphael Valescure, France.
July-2012	{Hubris Syndrome and Egyptian Presidents} 7th Biennial International Meaning Conference, Toronto, Canada.
April-2012*	{Neurobehavioral Sequale of Early Iron Deficiency in Rats} Neuromed School: the Neuroscience of Addiction- Neurobiological Mechanisms and Behavioral Implications. Tetouan, Morocco.

March-2012	{Early Iron Deficiency Effects in Rat Animal Model, New Findings} Middle East Conference on Depression and Anxiety Spectrum Disorder from Basic Science to the Clinic and Back. University of Jordan, Amman, Jordan.
July-2009	{Heavy Metals & Brain development and Functions} Penn State's 16th Annual Ronald E. McNair Conference. PSU, USA
December- 2005*	{Egyptian Current State of Neuroscience: Psychopharmacology} Behavioral Neuroscience – ISN/IBRO African Advanced Neuroscience School, Nairobi-Kenya
July-2005*	{Egyptian Current State of Neuroscience: Psychopharmacology} Basic and Clinical Neuroscience - 10th International Brain Research Organization (IBRO) - Fogarty Neuroscience School in West Africa, Bamako-Mali
July-2003	{Lecture Series in Psychopharmacology Department} International Islamic University (IIUM), Faculty of Medicine, Malaysia Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia

* Indicates IBRO/ISN Neuroscience Schools

KEY SCIENTIFIC QUALIFICATIONS

Medical Education Experience:

- Problem Based Learning (PBL) curriculum development
- Moodle & Black Board: Course Management System (CMS), Virtual Learning Environment (VLE)

Research experience:

In Vivo Experience

- Early Iron deficient rat model
- 2VO animal model
- Neurodegenerative Animal model
- ASST (Attentional Set Shift Task) for rats
- Rat brain dissection and sectioning
- DA and NE ligand binding
- Mice eye dissection: retina, vitreous, ON

In Vitro Experience

- Cell culture for PCR gene expression
- RNA extraction and qRNA
- Quantitative cDNA
- qPCR and RT-PCR
- Inflammatory biomarkers
- Immunoassay (BioPlex-200 system)

Experimental pharmacology:

- MICROLAB Simulation

Clinical experience:

- Neuropsychological Assessment
- Cell culture for PCR gene expression
- RNA extraction and qRNA
- Quantitative cDNA
- qPCR and RT-PCR
- Inflammatory biomarkers Immunoassay (BioPlex-200 system)
 - Using AFNI software for fMRI time series datasets (Basic level)
 - EEG / ERP data analysis:
 - EEG net application
 - Net Station Tools
 - Brain Vision Analyzer

SPECIALIZED SKILLS

Managerial & Strengths:

- Faculty and Leadership Development Project (**FLDP**) Certificate (February 2004) Menoufiya University, EGYPT
- Trained undergraduate students

- High standards of competence and performance
- Understanding of complex issues and difficult problems
- Strategic thinker with ability to see the inter-relatedness of elements
- Long range vision with global perspective
- Ability to organize a job and carry it through

Communication & Computer skills:

- Languages: Bilingual (Arabic & English), French (proficient)
- The Social, Life, & Engineering Sciences Imaging Center (SLEIC) Group: PSU, 2009-2011.
- Present scientific results at lab meetings and conferences (PowerPoint and poster presentations)
- Statistical packages: Systat, Minitab
- Net station software

SCIENTIFIC ACTIVITIES

May-2011	Judge - Pennsylvania Junior Academy of Science (PJAS) 77th annual state meeting, PSU, USA
May-2011	Grand awards judge - Intel International Science and Engineering Fair (Intel ISEF, 2011). LA, California, USA
March-2011	Judge – 2011 Graduate Exhibition, PSU, USA
2011-2018	Member in Student outreach committee (SOC) and Education Committee- American College of Clinical Pharmacology (ACCP)
2010-2019	Continuous Medical Education (CME) Committee - Islamic Medical Association of North America (IMANA)
September-2010	Program Committee - Safety Pharmacology Society (SPS), 10th Annual Meeting, Boston, USA
April-2010	-Volunteer - 17th Annual Meeting of the Cognitive Neuroscience Society (CNS), Montreal, Canada.
	-Judge - the ASPET Neuropharmacology Division's Best Abstract Competition for Pre-doctoral Students, Anaheim, CA, USA
	-Monitor - the American Academy of Neurology 62nd Annual Meeting in Toronto. Monitoring program; 3IN.002: Current Concepts in Cognitive Neuroscience: Implications for Neurological Disease.
2008-2010	Academic Outreach Committee - Safety Pharmacology Society (SPS)
2009-2010	Facilitator-SfN Neuroscience Wikipedia Initiative, Cognitive Neuroscience.
May-2009	Grand awards judge - Intel International Science and Engineering Fair (Intel ISEF, 2009). Reno, NV, USA
May-2008	Judge - Pennsylvania Junior Academy of Science (PJAS) 74th annual state meeting, PSU, USA

ACADEMIC MEETING ORGANIZATION EXPERIENCE

Meeting	Location	Date	Role
IBRO-ARC School	Nairobi, Kenya	November, 2022	Co-Chair
Women in Neuroscience Symposium	Tbilisi, Georgia	August 2022	Co-Chair
IBRO-APRC school	KL, Malaysia	Sept 2021	IBRO-APRC school
IBRO-APRC school	Tbilisi, Georgia	August, 2021	Organizing committee

IBRO-MENA School	AUB, Lebanon	October 2019	Organizing committee
Annual meeting of Malaysian Society of Neuroscience	KB, Malaysia	June 2019	Organizing committee
IBRO/ARC School: Gut-Brain Axis	AUC, Egypt	June 2018	Publishing Committee
IBRO/ARC School: Gut-Brain Axis			Chair
Middle East Molecular Biology Sources (MEMBS) annual meeting 2017	AUC, Egypt	June 2018	Chair
Middle East Molecular Biology Sources (MEMBS) annual meeting 2017	Abu Dhabi, UAE	Nov 2017	General Scientific Committee
IBRO/ISN School: Neurogenetics from animal model to precision medicine	Cairo, Egypt	May 2017	Chair
Neuroscience Symposium: Translational neuroscience	Kuantan, Malaysia	February 2017	Chair
IBRO/ISN school: neurological aspects of infectious diseases	Kumasi, Ghana	December 2016	Chair
IBRO-ARC School: Epigenetics of the neurodegenerative disorders: from the basic science to clinical. PD in focus	Cairo, Egypt	October 2014	Chair
Arab Spring: Psychosocial perspective. 122nd Annual Convention of the American Psychological Association	Washington DC, USA	August 2014	Symposium Chair
10th International Congress on Psychiatry: Recent Advances in The Neuropharmacology of Addiction: Implications for therapy	Cairo, Egypt	May 2014	Symposium Chair
The Neuropharmacology of Addiction: Implications for therapy. 10th international conference on psychiatry "psychiatric models; biological and psychological perspectives"	Jeddah, Saudia Arabia	April 2014	Symposium Chair
Pan Arab Diabetic Conference (PACD19)	Cairo, Egypt	March, 2014	International committee
11th SONA International Conference	Rabat, Morocco	June, 2013	Symposium Chair
9th International Congress on Psychiatry & 4th International congress on neuroscience	Alexandria, Egypt	May 2013	Organizing Committee
2012 annual meeting of American College of Clinical Pharmacology (ACCP)	San Diego, USA	Sept 2012	Program Committee
The sixth annual Promotion and Tenure Symposium "What's Diversity Got to Do With It?"	PSU, USA	April 2011	Program Committee
Voices 2011 conference - The Annual Networking Conference for Students, Post-Docs, Faculty	PSU, USA	February 2011	Co-Chari

and Professionals in Science, Technology, Engineering and Mathematics (STEM) Fields - GWIS (Graduate Women in Science).

Intermediate Central Nervous System “ <i>ADHD from Basic Science to Treatment</i> ”. Safety Pharmacology Society 10 th Annual Meeting, Safety Pharmacology Society (SPS), 2010, SPS Meeting.	Boston, USA	Sept 2010	Program Committee
89 th Annual National GWIS (Graduate Women in Science) Conference; Bridges STEM (Science, Technology, Engineering & Mathematics) Symposium Poster and Networking,	PSU, USA	June, 2010	Poster & Welcoming Committee
Continuous Education Course: Intermediate Central Nervous System “ <i>CNS Issues in Drug Development: Safety Pharmacology beyond the guidelines</i> ”. Safety Pharmacology Society 9 th Annual Meeting	Strasbourg, France	Sept 2009	Chair
The Eighth Olympiad of the Mind: “ <i>Brain Research: Improving Global Harmony</i> ”: The International S.T.E.P.S. Foundation. The National Academies.	Washington DC, USA	Nov 2007	Program Committee
Brain Awareness Day (BAD)	Menoufia, Egypt	March 2006	Program Chair
The first IUPHAR sponsored Workshop on Clinical Pharmacology in Arab Countries	Alexandria, Egypt	February 2004	Organizing committee

COMMUNITY SERVICES/VOLUNTEERING

Summer 2018	<i>Brain Bee competition</i> – Pahang Zone – Malaysia
Fall-2011	<i>Orientation Leader</i> – International PSU students
2010-2011	Affiliate member – Commission on Racial/Ethical Diversity (CORED), PSU
2006-2011	<i>President of Pennsylvania Chapter</i> - ESANA (Egyptian Student Association in North America).
Spring-2010	<i>Orientation Leader</i> – International PSU students
2008-2009	International Graduate Student Representative and Graduate Council Representative - <i>GSA</i> (Graduate Student Association), PSU-USA)
2006-2008	At large representative - <i>HUB-Robeson Advisory Board</i> , PSU- USA

REFERENCES

Available Upon Request

