

## Curriculum Vitae

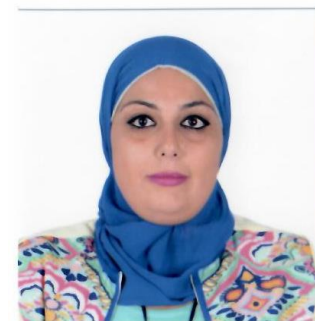
### **Personal Information:**

**Name:** Noha Nagah Soliman Nassar

**DOB:** August 4<sup>th</sup> 1975; Cairo; Egypt

**Home Address:** 5<sup>th</sup> settlement district 1 neighborhood 7 Villa 231

**Business Address:** Department of Pharmacology and Toxicology  
Faculty of Pharmacy, Cairo University  
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### **Education and Training**

- **1993-1998:** BSC Pharmaceutical Sciences. Faculty of Pharmacy, Cairo University, Egypt
- **1998:** Graduated from Faculty of Pharmacy, Cairo University with honors (*Summa cum laude*) and was awarded the qualification of Pharmacist
- **1998-2002:** Master Candidate of Pharmacology, Cairo University, Faculty of Pharmacy, Egypt
- **2003- 2006:** Ph.D. Candidate in the Department of Pharmacology and Toxicology at Brody School of Medicine, East Carolina University, Greenville, NC
- **2006:** Dissertation approved by the Pharmacology and Toxicology Department at the Brody School of Medicine of East Carolina University and awarded Doctor of Philosophy (Pharmacology) on December, 16, 2006 titled” **BRAINSTEM ADENOSINE RECEPTORS MODULATE CENTRALLY MEDIATED HYPOTENSIVE RESPONSES IN CONSCIOUS Rats”**

### **Employment History**

- **2017-Current:** Professor at the Pharmacology and Toxicology Department, Faculty of Pharmacy, Cairo University, Egypt
- **2012-2017:** Associate Professor at the Pharmacology and Toxicology Department, Faculty of Pharmacy, Cairo University, Egypt
- **2009-2010:** Research Scholar at the Pharmacology and Toxicology Dept, Brody School of Medicine, East Carolina University
- **2007-2012:** Lecturer at the Pharmacology and Toxicology Department, Faculty of Pharmacy, Cairo University, Egypt
- **1998-2002:**Pharmacology Researcher & Instructor; Faculty of Pharmacy, Cairo University, Egypt
- **1994-1998:** Trainee at a community pharmacy, Cairo, Egypt
- **1994:** Trainee at the production department at Glaxo Wellcome Pharmaceuticals, Egypt

### **Teaching Activities**

#### **Courses taught at East Carolina University, Greenville, NC**

- **2005:** Lecturer in the physicians' assistants (PADP 6500) program at East Carolina University
- **2006:** Lecturer in the physicians' assistants PHAR 7665 PEDAGOGY PHARMACOLOGY SECTION 001 program at East Carolina University
- **2004-2005:** Small group conference leader for medical students in pharmacology (PHAR 8601, PHAR 8602), Brody School of Medicine, East Carolina University
- **2004-2006:** Assigned Tutor in physiology (PHLY 6702), pharmacology (PHAR 8601, PHAR 8602) and Neuroscience (PHLY7730) for medical students, Brody School of Medicine, East

### **Courses taught outside East Carolina University**

- **1998-2002:** Instructor for Pharmacology, Toxicology and Bioassay; Faculty of Pharmacy, Cairo University, Egypt
- **2007:** Lecturer and Course coordinator in PHL412 “ Pharmacology of the Central Nervous System”, Summer Course, Faculty of Pharmacy, MIU, Cairo, Egypt
- **2007:** Lecturer in Toxicology course “307” for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2007-2008:** Lecturer and Course coordinator in PHL543 “ Drug Abuse”, Faculty of Pharmacy, MIU, Cairo, Egypt
- **2008-2010:** Lecturer and Course coordinator in PHL541 “ Toxicology and Forensic Chemistry”, Faculty of Pharmacy, MIU, Cairo, Egypt
- **2007-2008:** Lecturer in Pharmacology I “303” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2008-2009:** Lecturer in Pharmacology II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2008-2009:** Lecturer in Pharmacology I “303” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2009-2010:** Lecturer in Pharmacology II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2008-2009:** Pharmacology II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2008-2009:** Lecturer and Course coordinator in Toxicology Course, Faculty of Pharmacy, MIU, Cairo, Egypt
- **2010-2011:** Pharmacology I “303” and II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2011-2012:** Pharmacology I “303” and II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2012-2013:** Pharmacology I “303” and II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2012-2013:** Therapeutics I “PO905” summer course for clinical pharmacy program “level 9” Faculty of Pharmacy, Cairo University, Egypt
- **2012-2013:** Pharmacology I “303” and II “304” course for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2012-2013:** Therapeutics II “PO007” course for clinical pharmacy program “level 10” Faculty of Pharmacy, Cairo University, Egypt
- **2014-2015:** Toxicology course “307” for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2015-2018:** Toxicology course “307” for fourth year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2014-2017:** Course coordinator for Anatomy, Histology and Physiology “301” for second year Pharmacy Students Faculty of Pharmacy, Cairo University, Egypt
- **2014-2019:** Course Coordinator and Instructor for Therapeutics II “PO007” course for clinical pharmacy program “level 10” Faculty of Pharmacy, Cairo University, Egypt

### **Students Mentored**

- Ashley Tsang high school junior (East Chapel Hill High School) ECU summer ventures in Science and Mathematics, 2005

- Stephanie Martina high school junior ECU summer ventures in Science and Mathematics, 2005
- Mohamed Amin: researcher at the National Institute of Research 2008-2012
- Rasha Tawfik: researcher at the National Research Academy 2008-2012
- Lobna Hatem: Pharmacology and Toxicology Instructor at Misr International University 2008-2013
- Ramy Nabil: researcher at the Pharmacology and Toxicology Department Al-Azhar University
- Huda Samir: researcher at the National Research Academy 2008-2013
- Sarah Elwakeel: Pharmacology and Toxicology Instructor at Misr International University 2008-2013
- Reham Atef: instructor and assistant lecturer at the Pharmacology and Toxicology department Faculty of Pharmacy, Cairo University, Egypt, 2009- 2016
- Arwa Sobhy: instructor at the Pharmacology and Toxicology department the Faculty of Pharmacy, Cairo University, Egypt, 2012- current
- Wessam Zidan: Pharmacist 2012- current
- Shimaa Ahmed: Pharmacist 2012- current
- Soha Shehata: instructor at the Pharmacology and Toxicology department the Faculty of Pharmacy, MTI University, Egypt, 2012- current
- Doaa Abdallah: instructor at the Pharmacology and Toxicology department the Faculty of Pharmacy, Cairo University, Egypt, 2014- current
- Moustafa Adel: assistant lecturer at the Pharmacology and Toxicology department the Faculty of Pharmacy, MTI University, Egypt, 2015- current
- Mona Magdy: Assistant lecturer at the Pharmacology and Toxicology department the Faculty of Pharmacy, MTI University, Egypt, 2015- current
- Shimaa Azmy: Pharmacist at the Ministry of Justice –Forensic Chemistry department 2015-current

### **Professional Societies**

- Doctoral Student Association: 2003-2006
- The American Physiological Society: 2004-2006
- The Society for Neuroscience: 2004-2008
- The American Society of Pharmacology and Experimental Therapeutics: 2003-present
- The Sigma Xi Society (East Carolina University Chapter; by nomination) 2004-2006
- American Heart Association: 2005-2007
- The Honor Society Phi Kappa Phi: 2005-2006
- AAAS/Science Program for Excellence in Science, 2006

### **Participation in Grants**

- Major Grants Approved not funded
- AHA predoctoral fellowship 0515424U. Involvement of adenosine in centrally mediated hypotension. PI Noha Nassar and Co-investigator Abdel A. Abdel-Rahman

### **Refereed Publications:**

1. Khayyal MT, El-Ghazaly MA ,Abdallah DM, **Nassar NN**, Okpanyi SN, Kreuter MH. Blood pressure lowering effect of an olive leaf extract (*Olea europaea*) in L-NAME induced hypertension in rats. *Arzneimittelforschung*, 2002, 52: 797-802. PMID: 12489249
2. **Nassar NN** and Abdel-Rahman AA. Central adenosine signaling plays a key role in centrally mediated hypotension in conscious aortic-barodenervated rats. *J Pharmacol Exp Ther* 2006 Jul; 318(1):255-6. PMID: 16595736

3. **Nassar NN** and Abdel-Rahman AA. Brainstem phosphorylated extracellular signal-regulated kinase 1/2-nitric-oxide synthase signaling mediates the adenosine A2A-dependent hypotensive action of clonidine in conscious aortic barodenervated rats. *J Pharmacol Exp Ther.* 2008 Jan;324(1):79-85. PMID: 17934014
4. **Nassar NN** and Abdel-Rahman AA. Brainstem adenosine A1 receptor signaling masks phosphorylated ERK1/2 dependent hypotensive action of clonidine in conscious normotensive rats. *J Pharmacol Exp Ther.* 2009 Jan;328(1):83-9. doi: 10.1124/jpet.108.143883 PMID: 18849358
5. El-Mowafy AM, Alkhalaf M, **Nassar NN**. Resveratrol reverses ET-1-evoked mitogenic effects in human coronary arterial cells by activating the kinase-G to inhibit ERK-enzymes. *Int J Cardiol.* 2009 Aug 21;136(3):263-9. PMID: 18656273
6. Ibrahim SS, **Nassar NN**. Diallyl sulfide protects against N-nitrosodiethylamine-induced liver tumorigenesis: Role of aldose reductase. *World J Gastroenterol.* 2008 Oct 28;14(40):6145-6153. PMID: 18985804
7. El-Askary HI, Abou-Hussein DR, Gadelrab DN and **Nassar NN**. Phytochemical and biological investigation of the ethyl acetate fraction of *Cymbopogon Proximus* Stapf (Halfabar) Herb. *Egypt. J. Biomed. Sci.*,2008 26, 149-157.
8. Schaalán MF, **Nassar NN**, El-yamany MF, Mohamed WA. Role of pioglitazone, simvastatin and their combination in ameliorating complications of high fructose diet. *The New Egyptian Journal of Medicine* Vol.:40 ; No.: 2 Supplement 1st February 2009
9. El-Maraghy SA, **Nassar NN**. Modulatory effects of lipoic acid and selenium against cadmium-induced biochemical alterations in testicular steroidogenesis. *J Biochem Mol Toxicol.* 2011 Jan-Feb;25(1):15-25. doi: 10.1002/jbt.20354. PMID: 20957662
10. Abdallah DM, **Nassar NN**, Abd-El-Salam RM. Glibenclamide ameliorates ischemia-reperfusion injury via modulating oxidative stress and inflammatory mediators in the rat hippocampus. *Brain Res.* 2011 Apr 18;1385:257-62. doi: 10.1016/j.brainres.2011.02.007. PMID: 21316351
11. **Nassar NN**, Schaalán MF, Zaki HF, Abdallah DM. Octreotide ameliorates gastric lesions in chronically mild stressed rats. *World J Gastroenterol.* 2011 Mar 7;17(9):1135-42. doi: 10.3748/wjg.v17.i9.1135. PMID: 21448417
12. Schaalán MF, **Nassar NN**. Effects of octreotide in chronically mild stressed rats: possible role of immune and oxidative stress pathways. *Neurochem Res.* 2011 Oct;36(10):1717-23. doi: 10.1007/s11064-011-0486-2. PMID: 21603938
13. **Nassar NN**, Li G, Strat AL, Abdel-Rahman AA. Enhanced hemeoxygenase activity in the rostral ventrolateral medulla mediates exaggerated hemin-evoked hypotension in the spontaneously hypertensive rat. *J Pharmacol Exp Ther.* 2011 Oct;339(1):267-74. doi: 10.1124/jpet.111.183368. PMID: 21768222
14. Mohamed RA, Agha AM and **Nassar NN**. SCH58261 the selective adenosine A2A receptor blocker modulates ischemia reperfusion injury following bilateral carotid occlusion: role of inflammatory mediators. *Neurochem Res.* 2012 Mar;37(3):538-47. doi: 10.1007/s11064-011-0640-x. PMID: 22071908

15. **Nassar NN**, Abdelsalam RM, Abdel-Rahman AA, Abdallah DM. Possible involvement of oxidative stress and inflammatory mediators in the protective effects of the early preconditioning window against transient global ischemia in rats. *Neurochem Res.* 2012 Mar;37(3):614-21. doi: 10.1007/s11064-011-0651-7.PMID: 22113727
16. Elshazly SM, Abd El Motteleb DM, **Nassar NN**. The selective 5-LOX inhibitor 11-keto- $\beta$ -boswellic acid protects against myocardial ischemia reperfusion injury in rats: involvement of redox and inflammatory cascades. *Naunyn Schmiedebergs Arch Pharmacol.* 2013 Sep;386(9):823-33. doi: 10.1007/s00210-013-0885-9. PMID: 23771412
17. Georgy GS, **Nassar NN**, Mansour HA, Abdallah DM. Cerebrolysin Ameliorates Cognitive Deficits in Type III Diabetic Rats. *PLoS One.* 2013 Jun 19;8(6). PMID: 23840309
18. Arab HH, Al-Shorbagy MY, Abdallah DM, **Nassar NN**. Telmisartan attenuates colon inflammation, oxidative perturbations and apoptosis in a rat model of experimental inflammatory bowel disease. *PLoS One.* 2014 May 15;9(5):e97193. doi: 10.1371/journal.pone.0097193. PMID: 24831514
19. **Nassar NN**, Al-Shorbagy MY, Arab HH, Abdallah DM. Saxagliptin: a novel antiparkinsonian approach. *Neuropharmacology.* 2015 Feb;89:308-17.PMID: 25446674
20. Rizk SM, El-Maraghy SA, **Nassar NN**. A novel role for SIRT-1 in L-arginine protection against STZ induced myocardial fibrosis in rats. *PLoS One.* 2014 Dec 12;9(12):e114560. doi: 10.1371/journal.pone.0114560. PMID: 25501750
21. Tawfiq RA, **Nassar NN**, El-Eraky WI, El-Denshary ES. Enhanced efficacy and reduced side effects of diazepam by kava combination. *J Adv Res.* 2014 Sep;5(5):587-94. doi: 10.1016/j.jare.2013.08.002. PMID: 25685527
22. **Nassar NN**, Abdel-Rahman AA. Brain stem adenosine receptors modulate centrally mediated hypotensive responses in conscious rats: A review. *J Adv Res.* 2015 May;6(3):331-40. doi: 10.1016/j.jare.2014.12.005. PMID: 26257930
23. Khedr LH, **Nassar NN**, El-Denshary ES, Abdel-Tawab AM. Paroxetine ameliorates changes in hippocampal energy metabolism in chronic mild stress-exposed rats. *Neuropsychiatr Dis Treat.* 2015 Nov 13;11:2887-2901. PMID: 26622178
24. Mohamed RA, Agha AM, Abdel-Rahman AA, **Nassar N**. Role of adenosine A2A receptor in cerebral ischemia reperfusion injury: Signaling to phosphorylated extracellular signal-regulated protein kinase (pERK1/2). *Neuroscience.* 2016 Feb 9;314:145-59. PMID:26642806
25. Abd-ElSalam HA, Al-Ghobashy MA, Al-Shorbagy M, **Nassar N**, Zaazaa HE, Ibrahim MA. Correlation of In Vivo and In Vitro Assay Results for Assessment of Free Radical Scavenging Activity of Green Tea Nutraceuticals. *J Food Sci.* 2016 Jul;81(7):C1707-15 PMID: 27275932
26. Al-Shorbagy MY, **Nassar NN**. Octreotide ameliorates inflammation and apoptosis in acute and kindled murine PTZ paradigms. *Naunyn Schmiedebergs Arch Pharmacol.* 2017 Jan;390(1):61-68. doi: 10.1007/s00210-016-1303-x. Epub 2016 Oct 1.PMID: 27695956
27. Atef RM, Agha AM, Abdel-Rhaman AA, **Nassar NN**. The Ying and Yang of Adenosine A<sub>1</sub> and A<sub>2A</sub> Receptors on ERK1/2 Activation in a Rat Model of Global Cerebral Ischemia

Reperfusion Injury. Mol Neurobiol. 2018 Feb;55(2):1284-1298. doi: 10.1007/s12035-017-0401-1. Epub 2017 Jan 24.

28. Rabie MA, Abd El Fattah MA, **Nassar NN**, El-Abhar HS, Abdallah DM. Angiotensin 1-7 ameliorates 6-hydroxydopamine lesions in hemiparkinsonian rats through activation of MAS receptor/PI3K/Akt/BDNF pathway and inhibition of angiotensin II type-1 receptor/NF- $\kappa$ B axis. Biochem Pharmacol. 2018 May;151:126-134. doi: 10.1016/j.bcp.2018.01.047. Epub 2018 Feb 8. PMID: 29428223

29. Farrag SM, Hamzawy MA, El-Yamany MF, Saad MA, **Nassar NN**. Atorvastatin in nanoparticulate formulation abates muscle and liver affliction when coalesced with coenzyme Q10 and/or vitamin E in hyperlipidemic rats. Life Sci. 2018 Jun 15;203:129-140. doi: 10.1016/j.lfs.2018.04.034. Epub 2018 Apr 23. PMID:29694831

30. Azmy SM, Abd El Fattah MA, Abd El-Rahman SS, Nada SA, Abdel Salam OME, El-Yamany MF, **Nassar NN**. **Does nicotine impact tramadol abuse? Insights from neurochemical and neurobehavioral changes in mice.** Neurotoxicology. 2018 Jul;67:245-258. doi: 10.1016/j.neuro.2018.06.004. Epub 2018 Jun 12. PMID:29906478

31. Saber MM, Al-Mahallawi AM, **Nassar NN**, Stork B, Shouman SA. Targeting colorectal cancer cell metabolism through development of cisplatin and metformin nano-cubosomes. BMC Cancer. 2018 Aug 15;18(1):822. doi: 10.1186/s12885-018-4727-5. PMID:30111296

32- Rabie MA, Abd El Fattah MA, **Nassar NN**, Abdallah DM, El-Abhar HS. Correlation between angiotensin 1-7-mediated Mas receptor expression with motor improvement, activated STAT3/SOCS3 cascade, and suppressed HMGB-1/RAGE/NF- $\kappa$ B signaling in 6-hydroxydopamine hemiparkinsonian rats Biochem Pharmacol. 2019 Oct 25;171:113681. doi: 10.1016/j.bcp.2019.113681. [Epub ahead of print] PMID:31669235

33- Khedr LH, **Nassar NN**, Rashed L, El-Denshary ED, Abdel-Tawab AM. TLR4 signaling modulation of PGC1- $\alpha$  mediated mitochondrial biogenesis in the LPS-Chronic mild stress model: Effect of fluoxetine and pentoxifylline. Life Sci. 2019 Oct 30;116869. doi: 10.1016/j.lfs.2019.116869. [Epub ahead of print] PMID:31678277

#### **Conferences and Meeting:**

1. Nassar NN, Khayyal MT. Antihypertensive effect of lyophilized olive leaf extract (EFLA 943) in L-NAME treated Rats 2001 IUPAR, San Francisco, USA.
2. Nassar NN and Abdel-Rahman AA. Involvement of adenosine in the centrally mediated hypotension. Experimental Biology, 2004, Washington, DC, USA.
3. Nassar NN and Abdel-Rahman AA: Central adenosine (A<sub>1</sub>) receptor blockade unmasks clonidine hypotension. Experimental Biology, 2005 San Diego, CA, USA.
4. Nassar NN and Abdel-Rahman AA. Adenosine A<sub>2A</sub> receptor plays a pivotal role in mediating clonidine hypotension in conscious aortic barodenervated rats. Experimental Biology, 2006 San Francisco, CA, USA.
5. Nassar NN and Abdel-Rahman AA. Upregulation of the A<sub>2A</sub> receptor in brain stem areas contributes to the enhanced hypotension by adenosine in aortic barodenervated rats. A pharmacological and immunohistochemical study. Society for Neuroscience 2006, Atlanta, Georgia.

6. Nassar NN and Abdel-Rahman AA. Brain Stem adenosine receptors modulate centrally mediated hypotensive responses in conscious rats. East Carolina chapter of the Society for Neuroscience VIII annual meeting, 2006, Greenville, North Carolina.
7. Nassar NN and Ibrahim SS. Diallylsulphide protects against N-nitrosodiethylamine induced liver tumorigenesis. Experimental Biology, 2008, San Diego, CA, USA.
8. Schaalán MF and Nassar NN. Role of pioglitazone, simvastatin and their combination in metabolic syndrome: Novel findings from the high fructose-fed rat model. The Egyptian Pharmaceutical Society (31<sup>st</sup>) Meeting, 2008.
9. Nassar NN, Li G and Abdel-Rahman AA. Hemeoxygenase-1 signaling in the rostral ventrolateral medulla mediates a critical protective role against genetically elevated blood pressure in SHR rats. Society for Neuroscience, East Carolina Chapter 2009
10. Nassar NN and EL-Maraghy SA. Modulatory effects of lipoic Acid and selenium against cadmium-induced biochemical alterations in testicular steroidogenesis, Experimental Biology 2010, Anaheim, CA, USA .
11. Nassar NN, Abdallah DM, Zaki HA and Schaalán MF. Octreotide ameliorates gastric Lesions in chronically mild stressed rats: Possible involvement of antioxidant, anti-inflammatory and anti-apoptotic Effects. Experimental Biology, Experimental Biology, 2010, Anaheim, CA, USA.
12. Nassar NN, Li G and Abdel-Rahman ,AA. Activation of the HO-CO system in spontaneously hypertensive rats counterbalances the sympathoexcitatory response elicited by ethanol in rostral ventrolateral medulla, Experimental Biology, 2010, Anaheim, CA, USA.
13. Nassar NN and Schaalán MF. Potential utility of single and concomitant administration of pioglitazone and simvastatin in ameliorating endothelial dysfunction in diabetic insulin resistant Rats. Experimental Biology, 2010, Anaheim, CA, USA.
14. Nassar NN and Schaalán MF. Simvastatin, pioglitazone and their combination on adiponectin and TNF- $\alpha$  Level in The Metabolic Syndrome: Novel Findings From the High fructose-fed rat model. Experimental Biology Experimental Biology, 2010, Anaheim, CA, USA.
15. Nassar NN, Abdallah DM, Abd-El-Salam RM Abdel-Rahman AA. Sub-lethal ischemia/reperfusion or glibenclamide ameliorates lactate dehydrogenase activity to different extents in rat hippocampus and cerebral Cortex subjected to ischemia/reperfusion injury, Experimental Biology Experimental Biology, 2010, Anaheim, CA, USA.
16. Amin MM, El-Denshary ES, Maklad YA and Nassar NN. Amelioration of inflammatory mediators underlie the protective effects of rosiglitazone and lipoic acid in STZ-diabetic rats, Second Scientific Conference, 2010, Cairo University, Egypt.
17. LH Khedr, Nassar NN El-denshary ES, Abdel-Tawab AM. Paroxetine ameliorates changes in hippocampal energy metabolism of chronic mild stress exposed Rats. BPS winter Meeting, 2010. London, United Kingdom.
18. Mohamed RA, Agha AM and Nassar NN. Central adenosine A<sub>2A</sub> receptor blockade modulates ischemia reperfusion injury following bilateral carotid occlusion: Role of inflammatory mediators. Experimental Biology, 2011, Washington DC, USA.
19. Nassar NN, El-Shazly SM and Abdel-Motteleb DM. The protective effect of 11-ket- $\beta$ -boswellic acid, a selective 5-LOX inhibitor on myocardial ischemia reperfusion injury in rats. Experimental Biology, 2013, Boston, USA.



20.Nassar NN, Mansour RN, Shoman SA and Abdel-Aziz AA. Piroxicam protects against pentylenetetrazole kindling: role of oxidative stress and inflammatory pathways. Experimental Biology, 2013, Boston, USA.

21.Nassar NN, Tawfik RA, El-Eraky WI and El-Denshary ES. Enhanced efficacy and reduced side effects of standard antiepileptics by new kava combinations. Experimental Biology, 2013, Boston, USA.

22.Nassar NN, El-Wakeel SA, El-Sayed MI and El-Denshary ES. Losartan protects against CCl<sub>4</sub>-induced hepatic fibrosis involves changes in adhesion molecules and inflammatory markers. Experimental Biology, 2013, Boston, USA.

23.Nassar NN, Georgy GS, Mansour HA and Abdallah DM. The neuroprotective effect of cerebrolysin against Type1diabetes-induced dementia in rats. Experimental Biology, 2013, Boston, USA.

24. Atef RM, Agha AM, Nassar NN. Role of adenosine A<sub>2A</sub> receptor in ischemia reperfusion injury: Signalling to extracellular signal-regulated protein kinase. Experimental Biology, 2014, San-Diego, USA.

25.Nassar NN. Octreotide: An antiepileptic role beyond growth hormone. 17<sup>th</sup> World congress of Basic and Clinical Pharmacology, 2014, Cape Town, South Africa.

26. Sobhy A, Saleh S and Nassar NN. Nimodipine: A Novel Protective Calcium Channel Blocker Against 3-Nitropropionic Acid Induced Huntington's Disease: Experimental Biology 2015, Boston, USA

27.Atef RM, Agha AM, Nassar NN. The Yin and Yang of Adenosine A<sub>1</sub> and A<sub>2A</sub> receptors in Global Cerebral Ischemia Reperfusion Injury. Experimental Biology 2015, Boston, USA

28.Zaky DA, Shorbagy MY, Nassar NN, Abdallah, DM. **Novel Gut Barrier** Modulatory Effect of Vildagliptin in Amelioration of Bacterial Translocation in Cholestatic Rats. Experimental Biology 2016, San Diego, USA

29.Mostafa A. Rabie; Mai A. Abd El Fattah; Noha N. Nassar; Hanan S. El-Abhar; Dalaal M. Abdallah. Angiotensin 1-7 alleviates 6-hydroxydopamine lesions in parkinsonian rats: Involvement of MAS receptor/HMGB-1/RAGE signaling. 18<sup>th</sup> World congress of Basic and Clinical Pharmacology, 2018, Kyoto, Japan.

### **Symposia and Workshops**

- 2002: Experimental Biology Meeting. April 2004, Washington, DC, USA
- 2002: Experimental Biology Meeting. April 2005, San Diego, CA, USA
- 2002: Experimental Biology Meeting. April 2006, San Francisco, CA, USA
- 2002: AHA Scientific Sessions. November 2005, Dallas, TX, USA
- 2002: Scientific Writing Workshop September 2005 Brody School of Medicine, Greenville, NC, USA
- 2003: Sigma Xi (ECU Chapter) meeting ECU Greenville, January, 2005
- 2003:Sigma Xi (ECU Chapter) meeting ECU Greenville, January, 2006
- 2003: Microarray Workshop (Sigma Xi) ECU chapter October 2005 Brody School of Medicine Greenville, NC, USA
- 2003:Methods of effective teaching February 2007, Cairo University, Cairo, Egypt
- 2003:Critical thinking workshop February 2007, Cairo University, Cairo, Egypt
- 2004: Methods of scientific research March 2007, Cairo University, Cairo, Egypt University, Cairo, Egypt
- 2005: E-learning workshop March 2007 Cairo University, Cairo, Egypt
- 2006:Educational leadership workshop March-April 2007, Cairo University, Cairo, Egypt



- 2007: Egyptian Society of Pharmacology and Experimental Therapeutics Annual conference and Golden Jubilee May ,Cairo, Egypt
- 2007: Academic Standards and Course Specifications Workshop held by the Quality Assurance and Accreditation Center of Cairo University at the Faculty of Pharmacy, Cairo University
- 2008: 6<sup>th</sup> International Youth Conference June, Cairo, Egypt,
- 2008: The first conference for guidelines in quality assurance for higher education organized by the National Assembly for Quality Assurance and Accreditation of Education (NAQAAE), June21-22, Cairo Egypt
- 2008: Self Study Parameters for higher Education Institutions organized by the the National Assembly for Quality Assurance and Accreditation of Education (NAQAAE), July 14-16, Cairo Egypt,2008
- 2008: Proteomics Workshop held at the Molecular Immunology Unit of Al-azhar University, July2-3, Cairo Egypt,
- 2008: Brainstorming session coordinator for the Faculty of Pharmacy Strategic Plan, July 31, 2008.
- 2008: Manuscript Writing and Peer review, August 2007, Cairo University, Cairo, Egypt.
- 2008: “Hospital Pharmacy: Antimicrobial Stewardship & Formulary Process”. A workshop organized by the Faculty if Pharmacy at Misr International University, November, Cairo Egypt
- 2008: Real Time PCR applications workshop held at the Molecular Immunology Unit of Al-azhar University
- 2008: The first conference held by the Quality Assurance and Accreditation Center of Cairo University entitled “Quality Assurance and Accreditation: Reality vs. Ambitions
- 2008: First Conference for Quality Assurance held by the Faculty of Pharmacy, Cairo University, tilted “A Leading Step Towards The Accreditation
- 2008:The Fourth International Conference of Scientific research and its Applications, Cairo University, December, 2008: E-learning workshop held at the Faculty of Pharmacy, Cairo University
- 2009: Methodologies of Student evaluation and/exam assessment criteria” workshop held at the Faculty Leadership and Development Center “FLDC” center at Cairo University
- 2009: Computer aided drug design using molecular modeling programs, Cairo University
- 2010: Patient Counseling in Pharmacy Practice, Misr International University
- 2010: Internationalization of Pharmaceutical Education In Egypt: A Marketing Audit Prespective, Cairo University,
- 2010: Experimental Biology Meeting, Anaheim, CA, USA
- 2010-2015: |The Faculty of Pharmacy Annual Scientific meeting held at the premises of Cairo University
- 2013: Experimental Biology Meeting, Boston, USA
- 2014: WCP Meeting, Cape Town, South Africa
- 2018: WCP Meeting Kyoto, Japan
- 2018: Certified International Professional Trainer: Cairo University FLDP in association with Missouri State University

### **Special Honors and Awards**

- 2007 Recipient of the Valentine Award for Best Record of Achievement by the Brody School of Medicine at East Carolina University, North Carolina, USA
- 2006 Recipient of the Society for Neuroscience Student Travel Award supported by Eli Lilly Co and the Vernon Rowland Memorial Fund
- 2004 Recipient of American society for Pharmacology and Experimental Therapeutics graduate student travel award. EB 2004

- 1998 Certificate of academic excellence in pharmaceutical Sciences; Cairo University, Egypt
- 1997 Certificate of academic excellence in pharmaceutical Sciences; Cairo University, Egypt
- 1996 Certificate of academic excellence in pharmaceutical Sciences; Cairo University, Egypt