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Abolfazl Azami Tameh, PhD

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Research Experience

Laboratory Manager

Kashan University of Medical Sciences and Health Services, Anatomical
Sciences Research Center
Kāshān, Iran

Professor (Associate)

Kashan University of Medical Sciences and Health Services, Department of
Anatomical Sciences
Kāshān, Iran

Oct 2008 – Oct 2009 **PostDoc Position**

RWTH Aachen University, Department of Neuroanatomy
Aachen, Germany

Feb 2005 – Feb 2010 **PhD Student**

Tehran University of Medical Sciences, Department of Anatomy
Tehrān, Iran

Sep 2002 – Jan 2005 **Master's Student**

Iran University of Medical Sciences, Anatomy
Tehrān, Iran

Statistics

RG Score 24.61

Publications 35

Reads 3,988

Citations 276

Skills & Activities

Skills Immunohistochemical Staining, Histological Staining, Immunohistochemistry, Cell Culture, PCR, Immunofluorescence Staining, Microtomy, Staining, Paraffin Embedding, Tissue Dissection, Western Blot Analysis, Dissection, H&E, RNA Isolation, Gel Electrophoresis, SDS-PAGE, Laboratory Management, Small Animal Surgery, Electrophoresis, Western Blot, Tissue Preparation, Primary Cell Culture, Real-Time PCR, Cell Line Culture, Agarose Gel Electrophoresis, Fluorescence Microscopy, DNA Extraction, RNA Extraction, cDNA Synthesis, Silver Staining, Animal Models, In Vivo Experiments, Immunofluorescence, Neurological Diseases, Neuroscience, Anatomy, Immunofluorescence Microscopy, Histochemistry, Molecular Biology, Neuroblastoma, Neuroprotection, Microscopy, Immunocytochemistry, Microscopic Techniques, Confocal Microscopy, Glutamate, Histological Techniques, Ischemia, Hippocampus, AMPA Receptors, Synaptic Plasticity, Cerebral Ischemia

Languages English, German, Persian

Journal Publications

- Zeinab Vahidinia, Abolfazl Azami Tameh, Majid Nejati, Cordian Beyer, Sayyed Alireza Talaei, Sepideh Etehadi Moghadam, Mohammad Ali Atlasi: *The protective effect of bone marrow mesenchymal stem cells in a rat model of ischemic stroke via reducing the C-Jun N-terminal kinase expression*. *Pathology - Research and Practice* 06/2019;., DOI:10.1016/j.prp.2019.152519
- Mojtaba Ehsanifar, Ahmad Jonidi Jafari, Hossein Nikzad, Mahmoud Salami Zavareh, Mohammad Ali Atlasi, Hamed Mohammadi, Abolfazl Azami Tameh: *Prenatal exposure to diesel exhaust particles causes anxiety, spatial memory disorders with alters expression of hippocampal pro-inflammatory cytokines and NMDA receptor subunits in adult male mice offspring*. *Ecotoxicology and Environmental Safety* 03/2019; 176., DOI:10.1016/j.ecoenv.2019.03.090
- Tayyebeh Zamani-Badi, Mohammad Karimian, Abolfazl Azami Tameh, Hossein Nikzad: *IL-1 α C376A transversion and risk of idiopathic male infertility in Iranian men: a genetic association study*. *International journal of fertility & sterility* 12/2018; 12(3)., DOI:10.22074/ijfs.2018.5375
- Majid Nejati, Abolfazl Azami Tameh, Mohammad Ali Atlasi: *Role of toll-like receptors 2 and 4 in the neuroprotective effects of bone marrow-derived mesenchymal stem cells in an experimental model of ischemic stroke*. *Journal of Cellular Biochemistry* 11/2018; 120(7)., DOI:10.1002/jcb.28083
- Omid Reza Tamtaji, Moein Mobini, Russel J. Reiter, Abolfazl Azami, Mohammad Saeed Gholami, Zatollah Asemi: *Melatonin, a toll-like receptor inhibitor: Current status and future perspectives: TAMTAJI et al.*. *Journal of Cellular Physiology* 11/2018; 234(1)., DOI:10.1002/jcp.27698
- Saeedeh Tajalli-Nezhad, Mohammad Karimian, Cordian Beyer, Mohammad Ali Atlasi, Abolfazl Azami Tameh: *The regulatory role of Toll-like receptors after ischemic stroke: neurosteroids as TLR modulators with the focus on TLR2/4*. *Cellular and Molecular Life Sciences CMLS* 10/2018; 76(3)., DOI:10.1007/s00018-018-2953-2

- Mojtaba Ehsanifar, Abolfazl Azami Tameh, Mahdi Farzadkia, Roshanak Rezaei Kalnari, Mhmoud Salami Zavareh, Hossein Nikzad, Ahmad Jonidi jafari: *Exposure to nanoscale diesel exhaust particles: Oxidative stress, neuroinflammation, anxiety and depression on adult male mice*. *Ecotoxicology and Environmental Safety* 10/2018; 168(168):338-347., DOI:10.1016/j.ecoenv.2018.10.090
- Omid Reza Tamtaji, Naghmeh Mirhosseini, Russel J Reiter, Abolfazl Azami, Zatollah Asemi: *Melatonin, a calpain inhibitor in the central nervous system: Current status and future perspectives*. *Journal of Cellular Physiology* 08/2018; 234(16)., DOI:10.1002/jcp.27084
- Abolfazl Azami Tameh, Mohammad Karimian, Zahra Zare-Dehghanani, Younes Aftabi, Cordian Beyer: *Role of Steroid Therapy after Ischemic Stroke by n -Methyl- d -Aspartate Receptor Gene Regulation*. *Journal of Stroke and Cerebrovascular Diseases* 07/2018; 27(11)., DOI:10.1016/j.jstrokecerebrovasdis.2018.06.041
- Majid Nejati, Mohammad Ali Atlasi, Mohammad Karimian, Hossein Nikzad, Abolfazl Azami Tameh: *Lipoprotein lipase gene polymorphisms as risk factors for stroke: A computational and meta-analysis*. *Iranian Journal of Basic Medical Sciences* 07/2018; 21(7)., DOI:10.22038/IJBMS.2018.29009.7001
- Majid Nejati, Abolfazl Azami Tameh, Zeinab Vahidinia, Mohamad Ali Atlasi: *Mesenchymal Stem Cells Improve Ischemic Stroke Injury by Anti-Inflammatory Properties in Rat Model of Middle Cerebral Artery Occlusion*. 02/2018; In Press(In Press)., DOI:10.5812/ircmj.55085
- Sepideh Etehad Moghadam, Abolfazl Azami Tameh, Zeinab Vahidinia, Mohammad Ali Atlasi, Hassan Hassani Bafrani, Homayoun Naderian: *Neuroprotective Effects of Oxytocin Hormone after an Experimental Stroke Model and the Possible Role of Calpain-1*. *Journal of Stroke and Cerebrovascular Diseases* 12/2017; 27(3)., DOI:10.1016/j.jstrokecerebrovasdis.2017.10.020
- Tayyebeh Zamani-Badi, Mohammad Karimian, Abolfazl Azami-Tameh, Hossein Nikzad: *Association of C3953T transition in interleukin 1 β gene with idiopathic male infertility in an Iranian population*. *Human Fertility* 10/2017;, DOI:10.1080/14647273.2017.1384857
- Zeinab Vahidinia, Nasim Alipour, Mohammad Ali Atlasi, Homayoun Naderian, Cordian Beyer, Abolfazl Azami Tameh: *Gonadal steroids block the calpain-1-dependent intrinsic pathway of apoptosis in an experimental rat stroke model*. *Neurological Research* 11/2016; 39(1):1-11., DOI:10.1080/01616412.2016.1250459
- Sayyed Alireza Talaei, Abolfazl Azami, Mahmoud Salami: *Developmental effect of light deprivation on synaptic plasticity of rats' hippocampus: Implications for melatonin*. *Iranian Journal of Basic Medical Science* 08/2016; 19(8):899-909., DOI:10.22038/ijbms.2016.7473
- E. Arbabi, S.A.R. Talaei, G.A. Hamidi, A. Azami, N. Afsordeh, M. Salami: *The Effect of Genistein on Spatial Memory in Ovariectomized Rat Model of Parkinson's Disease*. *Journal of Babol University of Medical Sciences* 05/2016; 18(5):44-52.
- Sayyed Alireza Talaei, Abolfazl Azami, Mahmoud Salami: *Postnatal development and sensory experience synergistically underlie the excitatory/inhibitory features of hippocampal neural circuits: Glutamatergic and GABAergic neurotransmission*. *Neuroscience* 01/2016; 318., DOI:10.1016/j.neuroscience.2016.01.024
- Somaieh Aghaie, Hossein Nikzad, Javad Amini Mahabadi, Mohsen Taghizadeh, Abolfazl Azami-Tameh, Aliakbar Taherian, Seyyed Mohammad Sajjad Sajjadian, Mehran Kamani: *Protective effect of combined*

pumpkin seed and ginger extracts on sperm characteristics, biochemical parameters and epididymal histology in adult male rats treated with cyclophosphamide. 12/2015; 91(4)., DOI:10.1007/s12565-015-0314-x

Kaveh Ghaleh Golab, Iraj Ragerdi Kashani, Abolfazl Azami-Tameh, Arash Zaminy, Iman Namjoy Nik, Shahram Namjoy Nik: *Evaluation of the effect of adipose tissue-derived stem cells on the quality of bone healing around implants.* *Connective Tissue Research* 12/2015; 57(1)., DOI:10.3109/03008207.2015.1079180

Mohammad Karimian, Hossein Nikzad, Abolfazl Azami-Tameh, Aliakbar Taherian, Fatemeh Zahra Darvishi, Mohammad Javad Haghghatnia: *SPO11-C631T Gene Polymorphism: Association With Male Infertility and an in Silico-Analysis.* 11/2015; 9(4):155-163.

Sayyed Alireza Talaei, Mojgan Mohammadifar, Abolfazl Azami, Mahmoud Salami: *Effect of Interaction of Age and Changing in Visual Experience During Critical Period of Brain Development on Expression of Melatonin Receptors in Rat's Hippocampus.* 08/2015; 21(3):163-168., DOI:10.18869/acadpub.hms.21.3.163

Leila Safaeian, Abolfazl Azami Tameh, Alireza Ghannadi, Elmira Akbari Naghani, Hamed Tavazoei, Samaneh Sadat Alavi: *Protective effects of Echium amoenum Fisch. and C.A. Mey. against cerebral ischemia in the rats.* 07/2015; 4(107):1-7., DOI:10.4103/2277-9175.157809

S.A. Talaei, A. Azami, M. Salami: *Visual deprivation during critical period of brain development inhibits expression of glutamic acid decarboxylase enzyme in rat hippocampus.* *Koomesh* 06/2015; 16(4):621-627.

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S.A. Talaei, A. Azami, M. Salami: *Evaluating effects of visual deprivation during critical period of brain development on expression of NMDA receptor subunits in rat's hippocampus.* *Journal of Mazandaran University of Medical Sciences* 01/2015; 24(120):232-241.

Mohammad Ali Atlasi, Homayoun Naderian, Mahdi Nouredini, Esmail Fakharian, Abolfazl Azami: *Morphology of Rat Hippocampal CA1 Neurons Following Modified Two and Four-Vessels Global Ischemia Models.* 12/2013; 2(3):124-8., DOI:10.5812/atr.10240

S Aghaei, H Nikzad, M Taghizadeh, A A Tameh, A Taherian, A Moravveji: *Protective effect of Pumpkin seed extract on sperm characteristics, biochemical parameters and epididymal histology in adult male rats treated with Cyclophosphamide.* *Andrologia* 10/2013; 46(8)., DOI:10.1111/and.12175

F Mohammadi, H Nikzad, M Taghizadeh, A Taherian, A Azami-Tameh, S M Hosseini, A Moravveji: *Protective effect of Zingiber officinale extract on rat testis after cyclophosphamide treatment.* *Andrologia* 07/2013; 46(6)., DOI:10.1111/and.12135

Abolfazl Azami Tameh, Tim Clarner, Cordian Beyer, Mohammad Ali Atlasi, Gholamreza Hassanzadeh, Homayoun Naderian: *Regional regulation of glutamate signaling during cuprizone-induced demyelination in the brain.* *Annals of anatomy = Anatomischer Anzeiger: official organ of the Anatomische Gesellschaft* 04/2013; 195(5)., DOI:10.1016/j.aanat.2013.03.004

Mohammad Bayat, Abolfazl Azami Tameh, Mohammad Hossein Ghahremani, Mohammad Akbari, Shahram Ejtemaei Mehr, Mahnaz Khanavi, Gholamreza Hassanzadeh: *Neuroprotective properties of*

Melissa officinalis after hypoxic-ischemic injury both in vitro and in vivo. DARU-JOURNAL OF FACULTY OF PHARMACY 10/2012; 20(1):42., DOI:10.1186/2008-2231-20-42

Gholamreza Hassanzadeh, Parichehr Pasbakhsh, Mohammad Akbari, Saeed Shokri, Mohammadhosein Ghahremani, Gholamreza Amin, Iraj Kashani, Abolfazl Azami Tameh: *Neuroprotective Properties of Melissa Officinalis L. Extract Against Ecstasy-Induced Neurotoxicity*. Cell Journal 04/2011; 13(1):25-30.

MA Naraghi, F Abolhasani, I Kashani, I J Anarkooli, M Hemadi, A Azami, M Barbarestani, R J Aitken, S Shokri: *The effects of swimming exercise and supraphysiological doses of nandrolone decanoate on the testis in adult male rats: A transmission electron microscope study*. Folia morphologica 08/2010; 69(3):138-46.

Abolfazl Azami★, Hassanzadeh G Dual, Parichehr Pasbakhsh¹, Mohammad Akbari¹, Mohammad Barbarestani¹, Mohammadhosein Ghahremani², Mohammadali Shokrgozar³, Ali Mandegary², Amir Kiani, Gholamreza Hassanzadeh¹: *Dual effects of 3, 4-methylenedioxymethamphetamine (ecstasy) on survival and apoptosis of primary hippocampal neurons*. Neural Regeneration Research 12/2009; 4(12)., DOI:10.3969/j.issn.1673-5374.2009.12.017

L Lorenz, J Dang, M Misiak, A Tameh Abolfazl, C Beyer, M Kipp: *Combined 17β-Oestradiol and Progesterone Treatment Prevents Neuronal Cell Injury in Cortical but not Midbrain Neurons or Neuroblastoma Cells*. Journal of Neuroendocrinology 08/2009; 21(10):841-9., DOI:10.1111/j.1365-2826.2009.01903.x

Lars-Ove Brandenburg, Ralph Lucius, Azami Tameh Abolfazl, Markus Kipp, Christoph J Wruck, Thomas Koch, Cordian Beyer, Thomas Pufe: *Internalization and signal transduction of PrP106-126 in neuronal cells*. Annals of anatomy = Anatomischer Anzeiger: official organ of the Anatomische Gesellschaft 08/2009; 191(5):459-68., DOI:10.1016/j.aanat.2009.06.003

Conference Proceedings

Mojtaba Ehsanifar, Abolfazl Azami Tameh, Ahmad Jonidi jafari, Hossein Nikzad, Mahmoud Salami Zavareh: *Exposure to Air pollution by Diesel exhausts particles: behavioral alteration, oxidative stress and Neuroinflammation on adult male mice*. 7th Basic and Clinical Neuroscience Congress, Razi Hall, Tehran, Iran; 12/2018

Mojtaba Ehsanifar, Abolfazl Azami Tameh, Ahmad Jonidi jafari, Hossein Nikzad, Mahmoud Salami Zavareh, Reza Bayat: *Exposure to Air pollution by Diesel exhausts particles: behavioral alteration, oxidative stress and Neuroinflammation on adult male mice*. 7th Basic and Clinical Neuroscience Congress,, Razi Hall, Tehran, Iran; 12/2018