

In the Name of God

Curriculum Vitae



Data: 2/5/2017

Personal History

Name (First Name/Surname, Last name/Forename):

Fatemeh Goshadrou

Current Position: Associated Professor

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Educational History

a). Education (Academic Preparation)

Major	Minor	Degree	University	City	Country	Year	
						From	To
Medical Physiology	Neuroscience	P.h.D	Shaheed beheshti University Of Medical University	Tehran	Iran	1999	2005
Human Physilogy		M.S.C	Tarbiat Modarres	Tehran	Iran	1988	1992
Biology		B.S.C	Alzahra University	Tehran	Iran	1984	1987

b. Theses

Title of Thesis	Degree	Supervisor(s)
The role of nucleus basalis of Meynert on barrel cortical neural responses in adult rats	P.h.D.	Dr. Hossain Esteky
The Involvement of Serotonergic System on Anti Transit Effect of Morphin in the Rat	M.S.C	Dr.Mohammad Hossain Pourgholami

Professional History

a. Teaching History

School	*Level	Role	**Type of Lesson (Theory or Practical)	Title of Lesson	Number of Students	Clock Hours	Year
All faculties Of Shaheed beheshti University Of Medical University	Undergraduate/ Graduate	Teaching	Theory	Physiology			Since 1992 up to now
Medical Faculty	Resident, Postgraduate	Teaching	Theory	Renal Physiology			
Medical Faculty	Resident,	Teaching	Theory	Blood Physiology			
School of Dentistry	Resident	Teaching	Theory	Cell & Blood Physiology			
Pharmacy Faculty	Resident	Teaching	Theory	Cardiac & Blood Physiology			
Nuring & Midwifery Faculty	Postgraduate	Teaching	Theory	Neonate Physiology			
Rehabilitation Science Faculty	Graduate	Teaching	Theory	Neuro Physiology			
Nutrition Faculty	Postgraduate	Teaching	Theory	Nutrition Physiology			
Shahid Beheshti University	Postgraduate	Teaching	Theory	Physiology			
The International Branch of Shahid Beheshti Medical University	Graduate/ Resident/ Postgraduate	Teaching	Theory	Physiology, Neuro physiology, Cell Physiology, Cardiac Physiology			

*Level: Undergraduate, Resident, Postgraduate, Graduate

b. Professional Service

Type of Service	Place	Year

c. Academic Administrative Appointments

Position	Duties	Institution/ Location	Year	
Faculty members (Academic Staff)	Teaching & Research	Basic Sciences Group, Physiology & Biology Dept.	1992	Up to now

d. Executive Positions and Appointments (Administrative)

Job Title	Duties and Responsibilities	Site of Activity	Supervisor	Year	
				From	To
Head of Physiology & Biology Department		Paramedical Faculty		2007	To now
Assistant of Basic Science Group		Paramedical Faculty		2009	To now
Responsible of Laboratory Affairs		Paramedical Faculty		2008	To now

Honors and awards

Award	Place	Awarding body	Year
Outstanding Academic member	Shahid Beheshti University of Medical Sciences		2011

Membership in Professional Associations and Societies (Professional Memberships)

Name of Association	Site of Association	For	Year
Physiology & Pharmacology Society	Iran	1991	to now
Proteomics Society	Iran	2006	To now
Society of Neuroscience	Iran	2013	To now

Committees and councils membership

Name of Committee or Council	Member/ Officer	Place	Year	
			From	To
Faculty Research Committee	member	Paramedical Faculty		
EDO Committee	member	"		
Faculty Academic Council	"	"		

Approved Projects and Proposals

Current Condition of Project/ Proposal	Role (PI, CO)	Hours of Activity	Place	Current condition of Project/ Proposal	Year
Influence of estrous cycle, ovariectomy and estradiol replacement upon passive avoidance learning in female rats	PI			ended	2002
The role of nucleus basalis of Meynert on barrel cortical neural responses in adult rats	PI			ended	2006
The influence of reversible inactivation of amygdala on memory improvement induced by Ghrelin	PI			ended	2010
Effect of Ghrelin on MK-801 induced amnesia in rat using by avoidance performance	PI			ended	2011
The effect of psychological and physical stress on plasma ghrelin level in male rat	PI			ended	2014
Effect Of Ghrelin Injection On Serum Glucose & Insulin Secretion In Rats after an overnight fast	PI			ended	2015
The study of neuroprotective effect of ghrelin on CA1 hippocampus of male rat following global ischemic/reperfusion model	PI				
Intracerebroventricular effect of ghrelin on learning and memory in Alzheimer rats by A β 1 ₄₂	PI			ended	2014
Effect of Intracerebroventricular Injection of Ghrelin on Synaptic Plasticity in the Dentate Gyrus of Hippocampus in Rat's Model of Alzheimer's Disease: An Electro physiologic Study	PI			ended	2015
The metabonomics study of the effect of ghrelin on Alzheimer's disease based on	PI			ended	2016

nuclear magnetic response (NMR)					
Comparative proteomics study of Bascillus subtilis attached alpha toxin on the proteome of epithelial cells	PI			ended	2016
The effect of ghrelin on passive avoidance learning and memory streptozotocin –induced diabetic male rats	PI				
Investigating three-way interactions of proteins in the rat Alzheimer’s model using the computational and experimental methods	PI				

Theses Directed, Supervised or Consulted

Title of Thesis	Degree/Level	Place	Role	Year
The effect of Intracerebroventricular injection of ghrelin on learning, memory and synaptic plasticity in hippocampal Dentate Gyrus of rats model of Alzheimer’s disease induced by Beta Amyloid	MSc	Paramedical Faculty of Shahid Beheshti Medical Sciences University	Supervisor	2012
Evaluation of aqueous extract of lavender on LTP in hippocampus and metabolic changes in serum of animal model of Alzheimeric tats	P.h.D	Paramedical Faculty of Shahid Beheshti Medical Sciences University	Advisors	2016

Editorial

Journal	Place of publishing	Duties and Responsibilities	Year	
			From	To
Journal of Paramedical Sciences (JPS)	Shahid Beheshti Medical Sciences University	Referee	2009	now

Publications:

a. Books

Author(s)	Editor	Title	Publisher	Site of Publication	Year of Publication

b. Articles

Author(s)	Title	Journal Name	Vol. NO.	Issue NO.	Page NO.	Year
Pourgholami M.H., Goshadrou F	Evidence for serotonergic system involvement in the effect of morphine on gastrointestinal motility in the rat	. Gen pharmacol	24	4	779-783	1995
Goshadrou F.and Jourjani M	The effect of estrous cycle, ovariectomy and estradiol treatment on passive avoidance learning in rat	Physio & Pharmacol	8	1	13-22	2004
Goshadrou F. and Esteky H	Effect of Nucleus Basalis of Meynert destruction by ibotenic acid on barrel cortical neurons in rat	Yakhteh.	6	21	33-42	2004
Goshadrou F	The effect of nucleus basalis of Meynert stimulation on response properties of rat barrel cortex neurons	kowsar				2007
Fatemeh Goshadrou	Modified sensory processing in the barrel cortex of the Rat model of Alzheimer's disease	Journal of Gorgan University of Medical Sciences	13	3	16-25	.2011
Fatemeh Goshadrou , Abdolaziz Ronaghi	Attenuating the effect of Ghrelin on memory storage via bilateral reversible inactivation of the basolateral amygdale	Behavioural Brain Research	232	2	391-394	2012
Mahnaz Bayat, Tourandokht Baluchnejadmojarad, Mehrdad Roghani, Fatemeh Goshadrou, Abdolaziz Ronaghi, Mehdi Mehdizadeh	Netrin-1 improves spatial memory and synaptic plasticity impairment following global ischemia in the rat	Brain Research			185-194	2012
Hamid Kalalian Moghaddam & Tourandokht Baluchnejadmojarad Mehrdad Roghani & Fatemeh Goshadrou Abdolaziz Ronaghi	Berberine chloride improved synaptic plasticity in STZ induced diabetic rats	Metab Brain Dis	28		421-428	2013
Hamid Kalalian-Moghaddam, Tourandokht Baluchnejadmojarad, MehrdadRoghani, Fatemeh Goshadrou, AbdolazizRonaghi	Hippocampal synaptic plasticity restoration and anti-apoptotic effect underlie berberine improvement of learning and memory in streptozotocin-diabetic rats	Behavioural pharmacology				2013
Fatemeh Goshadrou , Mojtaba Kermani, Abdolaziz Ronaghi, Samad Sajjadi	The effect of ghrelin on MK-801 induced memory impairment in rats	Peptides	44		6-65	2013
Goshadrou F , Kazerouni F, Mehranfard N, Sadeghi B	Chronic administration of ghrelin regulates plasma glucose and normalizes insulin levels following fasting hyperglycemia and	Gen Comp Endocrinol	1		113-20	2015

	hyperinsulinemia.					
Rostamkhani F, Zardoos H, Goshadrou F , Baveisi M, Hedayati M.	Stress increased ghrelin secretion from pancreatic isolated islets in male rats.	Gen Physiol Biophys.	35	1	109-17	2016
Pooneh Amini-Geram, Fateme Goshadrou, Azadeh Ebrahim-Habibi, Parichehreh Yaghmaei and Saeed Hesami-Tackallou	Human Serum Albumin Structure in Presence of Different Concentrations of Cortisol and Glucose: An In Vitro Modeling Under Normal and Hyperglycemic Conditions	Iran Red Crescent Med J.				
Amin Rostami, Fateme Goshadrou, Nasim Rezaeinezhad, Mehdi Ghafari, Gholamreza Ahmadian	Immobilization of alpha toxin on the surface of the bacillus subtilis spores	Arvand J Health Med Sci.	1	3	135-41	2016
Amin Rostami, Fateme Goshadrou, Reza Pilehchian Langroudi, S. Zahra Bathaie, Ali Riazi, Jafar Amani, and Gholamreza Ahmadian	Design and expression of a chimeric vaccine candidate for avian necrotic enteritis	Protein Engineering, Design & Selection	30	1	39-45	2017

c. Papers Presented

Author(s)	Title of Article	Congress	Place	Type of Presentation (Oral or Poster)	Year
Goshadrou F., Pourgholami M.H	Evidence for possible involvement of 5-HT ₂ receptors in the anti transit action of morphine in the rat	10th Iranian Congress of Physiology and Pharmacology.	Ahvaz/Iran	Poster	1991
Goshadrou F., Pourgholami M.H	Effect of 5, 7 DHT on the antitransit action morphine.	11th Iranian Congress of Physiology and Pharmacology.	Tabriz/Iran	Poster	1993
Pourgholami M.H., Goshadrou F., Koshbaten A	Morphine induces antitransit effect via serotonergic system in rats	32th International Congress of Physiology	Glawsko/UK	Poster	1993
Goshadrou F	Influence of the estrous cycle, ovariectomy and estradiol replacement upon the passive avoidance learning in female rat	16th Iranian Congress of Physiology and Pharmacology	Tarbiat Madarres University	Oral	2003
Goshadrou F. and Esteky H	The effect of ibotenic acid lesion of the nucleus basalis of Meynert on the response of cortical neurons in the rat barrel cortex.	2nd FAONS Symposium & 3rd Iranian Neuroscience congress.	Tehran – Iran	Poster	2004
Goshadrou F. and Esteky	Effect of nucleus basalis of Meynert stimulation on response properties of rat barrel cortex neurons	18th Iranian Congress of Physiology and	Mashhad/Iran	Poster	2007

		Pharmacology			
Fatemeh Goshadrou	The effect of ghrelin on the impairment of memory induced in rat by MK-801	World Congress of Neuroscience	Florence/Italy	Poster	2011
Goshadrou F, Kermani M.	Ghrelin increases memory retention in rats	The First Seminar On The Role Of Basic Sciences On The Health Promotion	Tehran/Iran	Poster	2011
Fatemeh Goshadrou	Modified sensory processing in the barrel cortex of the Rat model of Alzheimer's disease	The first National Neuroscience Congress	Gorgan/Iran	Poster	2010
Azam Shahbodaghi Samad sajjadi Elaheh Nooshinfar Fatemeh Goshadrou,Farzaneh Khatamidoust Mohammad Hossein Heidari	Investigating the trend followed by scientists worldwide to use life science in health research on prevention, diagnosis and therapy	The First Seminar On The Role Of Basic Sciences On The Health Promotion	Tehran/Iran	Oral	2011
Fatemeh 'Goshadrou1 Mojtaba Kermani Ahangrani2	Ghrelin Improves NMDA-Antagonist Induced Learning and Memory Deficits in Rats	20th Iranian Congress of Physiology & Pharmacology	Hamedan/Iran	Oral	2011
Maryam Eslami, Fatemeh Goshadrou,Narges Hossain mardy	The Effect of Intra Cerebro Ventricular Injection of Ghrelin on Learning, Memory in Rat's Model of Alzheimer's Disease Induced by Amyloid- β	2 nd National Seminar on the Role of Medical Basic Sciences on Health Promotion	Tehran/Iran	Poster	2013
Maryam Eslami, Fatemeh Goshadrou,Narges Hossain Mardy	The Effect of Intra Cerebro Ventricular Injection of Ghrelin Synaptic Plasticity in Rat's Model of Alzheimer's Disease Induced by Amyloid- β (1-42)	2 nd National Seminar on the Role of Medical Basic Sciences on Health Promotio	Tehran/Iran	Poster	2013
Fatemeh Goshadrou	Ghrelin Increases during Stress, May Have Antidepressant Effect	2 nd National Seminar on the Role of Medical Basic Sciences on Health Promotio	Tehran/Iran	Poster	2013
Fatemeh Goshadrou, ,Abdolaziz Ronaghi	Bilateral Reversible Inactivation of the Basolateral Amygdale Attenuates the Effect of Ghrelin on Memory Storage	2 nd Neurosciences Congress	Tehran/Iran	Oral	2013

d. Workshop

Title of Workshop	Location	Designer(s)/ Programmer(s)	Year
Research Methodology			
Training on Teaching			
Physiology (Scotland)			
Teaching Methodology			
Electrophysiological Method on the Laboratory Animals			
Laboratory Animals			
Medline & Internet			
Evaluation Methodology			
Lesson Planning			
Curriculum Planning			
Content Analysis			