

## CURRICULUM VITAE:

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### **Curriculum Vitae**

#### **Personal data:**

Name: Manzar Banoo Shjaeifard

Place of birth: Shiraz, Iran

Nationality: Iranian

Address: Passdaran Blv, Shahid Mahalatti St.second alley on the rightside, no. 64

[E-mail. Shojaeim@sums.ac.ir](mailto:Shojaeim@sums.ac.ir) and

[shojaeifard.manzarbanoo@uni-tuebingen.de](mailto:shojaeifard.manzarbanoo@uni-tuebingen.de)

#### **Academic qualification:**

**2013- : Associate professor**

**2006-2012: Assistant professor**

2010-2011: Post Doctor in the Institut of Physiology, Eberhard-Karls University of Tuebingen, Germany

2003-2005: PhD fellow in the Institut of Physiology, Eberhard-Karls University of Tuebingen, Germany

Thesis Title: "Regulation of membrane transporters by Kinases

1990: compeleting MS in Physiology

Physiology Department, University of Tarbiat Modaress

ThesisTitle: The role of A2-adrenoceptor in analgesia induced TENS

1984: completing BS in biology

Biology Department, University of Shiraz

1976: compeleting high school diploma, experimental science

Neshat high school, Shiraz

#### **Teaching experience:**

##### **Lecturer:**

2011-2013 most physiological systems (cell physiology, neurophysiology, circulatory, respiratory,...) to medical students, Fasa University of Medical Science

2009-2006 most physiological systems (cell physiology, neurophysiology, circulatory, respiratory,...) to medical students, Fasa University of Medical Science

2002-1990: most physiological systems (cell physiology, neurophysiology, circulatory, respiratory,...) to medical students, Fasa University of Medical Science

##### **Guest Lecturer:**

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2006 : a few sections of cellular physiology to Ph.D. students of physiology Shiraz University of Medical Faculty

1999-1993: neurophysiology, cell physiology&digestive system, to medical students, Medical Faculty of Jahrom

2 different years : neurophysiology&physiology of endocrine & digestive systems, to medical students, Shiraz University of Medical Faculty

1991: some sections of neurophysiology to Ph.D.students of laboratory sciences

### **General Lecturing:**

2011-2013 general physiology, to nursing & laboratory science students, Fasa University of Medical Science

2009-2006 general physiology, to nursing, anaesthesiology, operating room , & laboratory science, emergency medicine& public healthy students Fasa University of Medical Science

2002-1990 general physiology, to nursing & laboratory science students, Fasa University of Medical Science

1995,1993,1991: general physiology to nursing and midwifery students (B.S.) , operating room technicians & laboratorysciences , nursing & midwifery Faculty of Hazrate Fatemeh and Para-medical Faculty , Shiraz University of Medical Sciences

### **Research:**

1-Reseach on the A2-adrenoceptors on the analgesia induced by TENS

2-Effect of A1-adrenoceptors on the analgesia induced by TENS

3-Research assistant on the effects of ICV injection of GLP-1 & its related peptides on sertonine metabolism & on level of amino acids in the rat hypothalamus.

4-Research on the effect of immobilization&water immersion stress on the induction of diabetes mellitus.

5-Research assistant on the effect of exercise on some factors of male reproductive systems.

6-Research assistant on the effect of testosterone enanthate on the blood proteins in the rat.

7-Research assistant on the role of drug of testosterone enanthate on the tissues of skins & hair.

8-Research on the The effects of *Elaeagnus angustifolia* L on bone mineral content in pregnant mice

9- Research on the effect of trace elements in atrial fibrillation patients

10- Research on the Stimulation of the creatine transporter SLC6A8 by the serum and glucocorticoid dependent kinases SGK 1 and SGK3

11- Research on the Stimulation of the creatine transporter SLC6A8 by the protein kinase mTOR

12- Research on PIKfyve in the SGK-1 mediated regulation of the the creatine transporter SLC6A8

13- Research on Regulation of the Na<sup>+</sup> ,glucose co-transporter by PIKfyve and the serum & glucocorticoid inducible kinase SGK1

14- Research on Stimulation of the glucose carrier SGLT1 by JAK2

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- 15- Research on Down regulation of NaPi-IIa and NaPi-IIb Na<sup>+</sup>-coupled phosphate transporters by coexpression of Klotho
- 16- Research on Down regulation of the creatine transporter SLC6A8 by JAK2
- 17- Research on Up-regulation of the betaine/GABA transporter BGT1 by JAK2
- 18- Research on Stimulation of Na<sup>+</sup> coupled phosphate transporter NaPiIIa by janus kinase JAK2

### **Consultancy:**

- 2012-2009: Supervisor of Advisors of students ,Fasa University of Medical Science
- 2006-2009: Consultant of Junior medical students , Fasa University of Medical Science
- 2002-1996: Consultant of Junior medical students , Fasa University of Medical Science

### **Workshops attended**

- 1991: Research methods  
center for medical education , Shiraz University of Medical Sciences
- 1992: Teaching methods  
center for medical education, Shiraz University of Medical Sciences
- 1997: Modern cellular & molecular neuroscience  
UNESCO, Life science international higher education school, Republic of Armenia .
- 2002: IBRO neuroscience ,  
Physiology Department , Tarbiat Modaress University, Tehran.Iran
- 2002: Single unite recording, Field potential recording (In Vitro) , Kindling model .  
Physiology Dept . Tarbiat Modaress University
- 2006: Education in small groups, Shiraz University of Medical Sciences
- 2006: life Skills, Fasa University of Medical Sciences
- 2007: Question design, Shiraz University of Medical Sciences
- 2007: Creativity and innovation, Fasa University of Medical Sciences
  
- 2008: First consult, Web of Science, Shiraz University of Medical Sciences
- 2008: BMJ, Magiran, Endnote, Shiraz University of Medical Sciences
- 2008: Endnote X2, Shiraz University of Medical Sciences
- 2008: 2<sup>nd</sup> power lab workshop in Rresearch and Education and Advanced Techniques in Bio Science  
Shaheed Beheshti Medical Science University, Tehran, Iran
- 2008: ADSL workshop,(DAPA certification),Central Computer School of FASA
- 2008: Medical Journalism, Shiraz University of Medical Sciences
- 2009: justification Advisor, Ministry of Health & Medical Education
- 2009: Search of electronic sources, Fasa University of Medical Sciences
- 2009: Preliminary SPSS, Shiraz University of Medical Sciences
- 2009: Advance SPSS, Shiraz University of Medical Sciences
- 2010: Socially Accountable Medical Education, EDC of Shiraz University of Medical Sciences
- 2011: Standard exam &Psychometric, EDC of Shiraz University of Medical Sciences
- 2011: Strategies for Successful Research Writing and Publishing, Research Centre of clinical microbiology, Shiraz University of Medical Sciences
- 2011: Polymerase Chain Reaction, Fasa University of Medical Sciences
- 2011: EBSCO&OVID&PMDR&UP TO Date, Fasa University of Medical Sciences
- 2011: Olympia of Medical Students, Ministry of Health & Medical Education

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2012: "Maarefat " Project, Mashhad University of Medical Sciences

2012: "Ziafat Andisheh" Project, Shiraz University

### **Conference & Seminar Papers:**

1990: Central roles of A2-noradrenergic activity in TENS induced analgesia

The 2th congress of FAOPS, New Delhi, India! 1991. Comparing the effects of central A1 & A2 adrenoceptors in TENS Induced analgesia

The 10<sup>th</sup> Iranian Congress of physiology & pharmacology, Ahvaz University of Medical Sciences

2001. Effect of ICV injection of GLP-1 and its related peptides on serotonin metabolism & on level of amino acids in the rat hypothalamus .

Brain research, 1, 2001

2002: The role of 2 drugs (clonidine & yohimbine) in TENS induced analgesia

10<sup>th</sup> Congress of Biology , Biology dept. Shiraz University of Medical Sciences

2002: Does water-immersion stress cause diabetes mellitus in rat?

15<sup>th</sup> Congress of Physiology & Pharmacology, Shiraz University of Medical Sciences.

2002: Does restrainer stress cause diabetes mellitus?

FENS, 2002, France

2002: The comparison of immobilization stress & water immersion stress in the induction of diabetes mellitus

5<sup>th</sup> Scientific Congress FAOPS, Kuala-Lumpur, Malaya.

2003: The role of testosterone enanthate on the blood proteins in rat.

16<sup>th</sup> Congress of Physiology & Pharmacology, Iran University of Medical Sciences.

2003: The effects of testosterone enanthate on tissues of skin & hair in rat.

16<sup>th</sup> Congress of Physiology & Pharmacology, Iran University of Medical Sciences.

2003: Regulation of ion channels

Institute of Physiology 1, Eberhard-Karls-University of Tübingen, Germany

2005: Effects of SGK kinases (1-3) on creatine transporter SLC6A8 expressed in oocytes

from *X. Laevis*

Institute of Physiology I, Eberhard-Karls-University of Tübingen, Germany

2005: Stimulation of the creatine transporter SLC6A8 by the serum and glucocorticoid dependent kinases SGK 1 and SGK3

Biochemical and Biophysical Research Communications 334 (2005) 742–746

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- 2006: Type IV secretion:intercellular transfer of macromolecules by systems ancestrally related to conjugation machines  
Department of Microbiology, Eberhard-Karls-University of Tübingen, Germany
- 2006: Stimulation of the creatine transporter SLC6A8 by the serum and glucocorticoid dependent kinases SGK 1 and SGK3  
Joint Meeting of The German Physiologic Society and The European Federation of Physiologic Societies 2006 in Munich, March 26 - 29, 2006
- 2006: Stimulation of the creatine transporter SLC6A8 by the protein kinase mTOR  
Biochemical and Biophysical Research Communications 341 (2006) 945–949
- 2006: Stimulation of the intestinal phosphate transporter SLC34A2 by the protein kinase mTOR  
Biochemical and Biophysical Research Communications 345 (2006) 1611–14
- 2007: PIKfyve in the SGK-1 mediated regulation of the the creatine transporter SLC6A8.  
Cellular physiology & Biochemistry ,2007,20
- 2007: Regulation of the Na<sup>+</sup> ,glucose co-transporter by PIKfyve and the serum & glucocorticoid inducible kinase SGK1.  
Biochemical & Biophysical Research Communication (BBRC)2007,359
- 2008: Stimulation of the creatine transporter SLC6A8 by the protein kinase mTOR  
1<sup>st</sup> South Asian Conference of Physiological Societies & 12<sup>th</sup> Biennial Conference of Pakistan Physiological Society  
At Shifa College of Medicine ,Islamabad Pakistan 10-12 Nov ,2008
- 2011: Stimulation of the glucose carrier SGLT1 by JAK2  
Biochemical and Biophysical Research Communications 2011
- 2011: Down regulation of NaPi-IIa and NaPi-IIb Na<sup>+</sup>-coupled phosphate transporters by coexpression of Klotho, Cell Physiol Biochem 2011;27
- 2011: Down regulation of the creatine transporter SLC6A8 by JAK2,  
19<sup>th</sup> Congress of Physiology & Pharmacology, Hamadan University of Medical Sciences.
- 2012: Down regulation of the creatine transporter SLC6A8 by JAK2 ,J membrane Biol(Accepted)16 Feb. 2012
- 2012: Up-regulation of the betaine/GABA transporter BGT1 by JAK2 , Biochemical and Biophysical Research Communications (Accepted)Feb 2012
- 2012: Up-regulation of Amino Acid Transporter SLC6A19 Activity and surface protein Abundance by PKB/AK & PIKfyve, Cellular physiology  
December 4 ,2012
- 2012: Acute and chronic exposure of chick embryo to ethanol alters brain neurosteroid levels ,Journal Physio Biochem 2012-11-10

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2013: Stimulation of Na<sup>+</sup> coupled phosphate transporter NaPiIIa by janus kinase JAK2, Biochemical and Biophysical Research Communications. Jan 2013

### **Thesis supervision or consultation by**

2011: Advisor in thesis title "The effect of Ethanol on level of hormones estrogens & progesterone & testosterone in brain tissue of chicken embryo"

2011: Advisor in thesis title "The Effects of Ultrasound on the Absorption of NPH and Regular Insulin in Normal and Diabetic Rats

2012: Superadvisor of thesis entitled "Estrogenic effect of Glycyrrhiza glabra on hormonal, steriology and histopathology changes in Ovariectomized Rats (running)

2012: Superadvisor of thesis entitled "Evaluation of effect of clove (syzygium aromaticum) on hepatotoxicity induced by thioacetamide in male wistar rats (Running)

2012: Advisor of thesis entitled "The effect of Brassica oleracea hydroalcoholic extract on pain threshold with formalin test in adult male rat

2012: Superadvisor of thesis entitled "Comparison of the protective effects of hydroalcoholic extract of sea buckthorn (*Hippophae rhamnoides L.*) in spermatogenesis of rat after exposure of Wi-Fi radiation or treatment with Busulfan drug .

### **Justification of scientific papers**

2010: Justification of a few scientific abstract related to Studental Festival of Radiobiology, Shiraz University of Medical Sciences

2011: Justification of a few scientific abstract related to International Congress of Medical Physics, Shiraz University of Medical Sciences.

2012 :Justification of a few scientific papers related to Journal of Fasa University of Medical Sciences.

2012: Justification of several research projects related to The Center for Research in Radiation Science (CRRS)

### **Languages other than Persian:**

English, a little German