



Curriculum Vitae

Personal Information

First name and last name: Masoumeh Gholami

Sex: Female

Nationality: Iranian

Place of birth: Tehran, Iran

Language: Persian, English

Marital status: Married

Degree: Ph.D. /Medical physiology

Profession: Assistant professor

Torbat Heydariyeh University of medical sciences

From 2017.10.29 to now

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Education

- High school Diploma, Experimental Science, Tehran, Iran, 2001.
- Bachelor of Science, Nursing, Shiraz university, Iran, 2007.
- Master of Science, Medical Physiology, Tarbiat modares University, Tehran, Iran, 2011.
- PhD, Medical Physiology, Tarbiat Modares University, Tehran, Iran, 2016.

Teaching Experience

- From 2017 - Teaching general physiology at Torbat heydarieh university of medical sciences, Torbat heydarieh, Iran.
- From 2017- Teaching general anatomy at Torbat heydarieh university of medical sciences, Torbat heydarieh ,Iran.

Working experience

- Set up the behavioral study lab at Torbat Hydarieh University.
- Set up the electrophysiology recording lab (single unit recording and in vivo field potential recording) at Torbat Hydarieh University.

Honor and Awards

- The first call for student travel grant to present the paper at the International Congress by cognitive science and technological council, SfN annual meeting, 2015 and 2016.
- Top student in final course in M.S (2011).

Scientific society membership

- SOCIETY FOR NEUROSCIENCES (SFN), Since 2015
- Iranian physiology and pharmacology society (IPPS), Since 2011

Thesis

- PhD thesis: Assessing the Role of Adenosine A1 Receptors and Adenosine Deaminase due to the combined application of tetanic stimulation and Pentylentetrazol (4PBs-PTZ) Induced Changes in Synaptic Transmission and Plasticity of Hippocampus Area CA1 of Sodium Salicylate-Tolerant Rats.
- MSc thesis: The effect of endotoxaemia on chronotropic functions of isolated atria and on heart rate dynamics in awake rats.

Professional Skills

- Whole cell patch clamp recording
- Field potential recording
- Brain slice preparation
- Tissue RNA extraction, cDNA preparation
- Semi- quantitative and real time RT-PCR
- i.p injection
- ECG recording from awake and anesthetized animals
- Probe insertion for Telemetry
- HRV analysis (Fractal analysis, sample entropy)
- Isolation of spontaneously beating atrium

Congress

- Teacher of field potential recording method in Tehran advanced IBRO School of neuroscience, Tehran, Iran, 2017.

- Assistant teacher of field potential recording method in 5th Tehran IBRO School of neuroscience, Tehran, Iran, 2016.
- The 22th and first international Iranian congress of physiology and pharmacology 2015, Kashan, Iran, and Title of abstract: The effect of PTZ in synaptic transmission and plasticity on hippocampus area CA1 of sodium salicylate-tolerant rats.
- Assistant teacher of field potential recording method in 4th Tehran IBRO School of neuroscience, Tehran, Iran, 2015.
- Assistant teacher of field potential recording method in 3rd Tehran IBRO School of neuroscience, Tehran, Iran, 2014.
- Assistant teacher of field potential recording method in 2nd Tehran IBRO School of neuroscience, Tehran, Iran, 2013.
- The 10th world congress on inflammation, Paris, France, 2011, Title of abstract: Endotoxemia impairs chronotropic responsiveness to cholinergic stimulation and decrease heart rate variability in conscious rats.
- The 10th world congress on inflammation, Paris, France, 2011, Title of abstract: Heart rate dynamic during systemic inflammation.
- The 19th Iranian congress of physiology and pharmacology 2009, Tehran, Iran.
- The 20th Iranian congress of physiology and pharmacology 2011, Hamedan, Iran.

- The 21th Iranian congress of physiology and pharmacology 2013, Tabriz, Iran.
- The first national congress of endothelium, Esfahan, Iran.
- The first ISPP workshop on heart rate variability analysis, Tarbiat Modares University, Tehran, Iran, 2009.

Publications

- Assessing the effect of drug tolerance due to chronic administration of morphine and salicylate on synaptic plasticity. Gholami M, Sadegh , journal of torbat heydarih university of medical sciences.2017;5(4):73-84.
- Chronic sodium salicylate administration enhances population spike long-term potentiation following a combination of theta frequency primed-burst stimulation and the transient application of pentylenetetrazol in rat CA1 hippocampal neurons.

Gholami M, Moradpour F, Semnani S, Naghdi N, Fathollahi Y. Eur J Pharmacol. 2015 Nov 15;767:165-74.

- Endotoxemia is associated with partial uncoupling of cardiac pacemaker from cholinergic neural control in rats.

Gholami M, Mazaheri P, Mohamadi A, Dehpour T, Safari F, Hajizadeh S, Moore KP, Mani AR. Shock. 2012 Feb;37(2):219-27.

References

- Prof. Fathollahi Y, physiology department, Tarbiat Modares University of Medical sciences, Tehran, Iran. E-mail: Fatollahi@modares.ac.ir

- Prof. Mirnajafi zade, physiology department, Tarbiat Modares University of Medical sciences, Tehran, Iran. E-mail: mirnajaf@modares.a.ir .
- Prof. Javan M, physiology Department, Tarbiat Modares University of Medical sciences, Tehran, Iran. E-mail: mjavan@modares.ac.ir