



Curriculum Vitae

Personal Information

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Education:

1992-1996 University of Newcastle Upon Tyne (UK)

Doctor of Philosophy (Ph.D.): Neurophysiology

Thesis: Ionic Channels in *Helix aspersa* Neurones

1987-1991: University of Tarbiat Modares (Tehran)

Master of Science degree: Human Physiology

Thesis: An investigation on the reticulo-prefrontal pathways in the rat: Using Horseradish Peroxidase histochemistry technique

1982-1986 University of Ahwaz

Bachelor's degree: Human Genetic

Thesis: The chromosome anomalies in spontaneous abortion in human

Awards

1. Overseas research student awards (ORS), United Kingdom (1993-1996)

Memberships:

- ✓ International Brain Research Organization (IBRO)
- ✓ British Neuroscience Association (BNA)
- ✓ Iranian Society of Physiology and Pharmacology
- ✓ FAOPS
- ✓ FAONS

Position held

- 1) Full Professor (2004-present), Shahid Beheshti Medical Sciences University, Medical School, Tehran, Iran
- 2) Associate Professor (2001-2004), Shahid Beheshti Medical Sciences University, Medical School, Tehran, Iran
- 3) Assistant Professor (1996-2001), Shahid Beheshti Medical Sciences University, Medical School, Tehran, Iran
- 4) Teaching and Research Assistant (1993-1996), Newcastle University, UK
- 5) Visiting scientist 2004, SISSA, Italy.

Publication

1. .G.Hearne, S.Manchandra, **M. Janahmadi**, D.J.Sanders and G.G.R.Green. Solution to the Hogkin-Huxley equation: Functional analysis of a molluscan neurones. PIn F. Eckman and J. Bower, editors. **Computation and Neural Systems II**. Kluwer-Academic Publishers, 1993.
2. **M. Janahmadi**, P.G. Hearne, I.M. Thompson S.Manchandra. D.J. Sanders and G.G.R. Green. Non-linear dynamics of the potassium delayed rectifier current in cultured neurones of *Helix aspersa*. **J. Physiology**, 1995, 487, 187P.
3. **M. Janahmadi**, R. Bal, D.J. Sanders and G.G.R. Green. Calcium currents in cultured neurones of *Helix aspersa*. **J. Physiology**, 1995, 487, 57P.
4. R. Bal, **M. Janahmadi**, D.J. Sanders and G.G.R. Green. Effects of calcium on transient outward current in *Helix aspersa* neurones in vitro. **J. Physiology**. 1997, 499, 131P.1).
5. **M. Janahmadi**, M.S. Malmierca, P.G. Hearne, G.R. Green and D.J. Sanders. Morphological and electrophysiological features of F76 and D1 neurones of the suboesophageal ganglia of *Helix aspersa* in vitro and in culture. (1999), **Anat. Embryol.**199:563-572.
6. R. Bal, **M. Janahmadi**, G.R. Green and D.J. Sanders. Effect of calcium and calcium channel blockers on transient outward current of F76 and D1 neuronal soma membranes in the suboesophageal of *Helix aspersa*. **J. Membrane Biology** 2000, 173: 179-185.
7. R. Bal, **M. Janahmadi**, D.J. Sanders and G.R. Green. Two kinds of transient outward currents, IA and IAdepol in F76 and D1 soma membranes of the suboesophageal ganglia of *Helix aspersa*. 2001. **J. Membrane Biology** ,179, 71-78.
8. Bal, G.G.R. Green, **M. Janahmadi**, M. Malmierca, A. Rees, J.S. Riddell and D.J. Sanders. Inferior colliculus neurones - histology and firing patterns in rat brain slices R. **Journal of Physiology** (1999), 520P, pp. 48P
9. Tourandokht Baluchnejad Mojarrad, Mehrdad Roghani and **Mahyar Janahmadi**. Modification of Nifedipine Inhibitory Effect on Calcium Spike and L-Type Calcium Current by Ethanol in F1 Neuron of *Helix aspersa*. **Iranian Biomedical Journal** 7(3): 99-105 (2003).

10. M Faizi., **M Janahmadi.**, M Mahmoudian. The effect of mebudipine and dibudipine, two new Ca^{2+} channel blockers, in comparison with nifedipine on Ca^{2+} spikes of F₁ Neuronal soma membrane in *Helix aspersa*. **Acta Physiologica Hungarica** Volume 90 (3). PP. 243-254 (2003).
11. Jelveh Moghadam, **M. Janahmadi**. Influence of meperidine on action potential and underlying ionic currents of F1 neuron in *Helix aspersa*. H.A. **Physiology & Pharmacology Journal**. 6(2), 2002.
12. S Asgari, **M Janahmadi** & H Khalilkhani.Comparison of neurotoxicity of root canal sealers on spontaneous bioelectrical activity in identified *Helix* neurons using an intracellular recording technique. **International Endodontic J.** 2003 ;36(12):891-7.
13. **M. Janahmadi**. F. Niazi. S. Danyali, M. kamalinejad. Effects of the fruit essential oil of *cuminum cymimum* linn. (Apiaceae) on pentylene tetrazol-induced epileptiform activity in F1 neurones of *Helix aspersa*. **Journal of Ethnopharmacology**, 2006;104(1-2):278-82.
14. Vatanparast.J, **Janahmadi . M**, Asgari.A, Sepehri. H, Haeri – Rohani.A. Paraoxan suppresses Ca^{2+} spike after hyperpolarization in snail neurons relevance to the hyperexcitability induction. **Brain Research** 1083 (2006) 110-117.
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17. Haghdoost .H, **Janahmadi**. M. Behzadi. G. Physiological role of dendrotoxin sensitive K⁺ channels in the rat cerebellar Purkinje neurons. **Physiol Res.** 2007;56(6):807-13.
18. Hashem Haghdoost Yazdi,**Mahyar Janahmadi**,Gila Behzadi. The role of small-conductance Ca^{2+} –activated K⁺ channels in the modulation of 4-aminopyridine-induced burst firing in rat cerebellar Purkinje cells. **Brain Research** 2007; 1156 59-66.
19. . Jafar Vatanparast, **Mahyar Janahmadi** and Alireza Asgari.Involvement of protein kinase C and IP₃-mediated Ca^{2+} release in activity modulation by paraoxon in snail neurons **European Journal of Pharmacology**, 2007; 571(2-3) : 81-87.

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23. **Mahyar Janahmadi** and Iran Godarzi. A rapid and non leaky way for preparation of the sharp intracellular recording microelectrodes. Masoud Fereidoni, Yaghoub Fatollahi, **Journal of Biochemical and Biophysical Methods**, 2008; 70(6):1124-1129.
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55. Doost Mohammadpour J, HosseiniMardi N, **Janahmadi M**, Fathollahi Y, Motamed F, Rohampour K. Non-selective NSAIDs improve the amyloid- β -mediated suppression of memory and synaptic plasticity. *Pharmacol Biochem Behav.* 2015 Feb 17;132:33-41.

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57. Moradi J, Abbasipour F, Zaringhalam J, Maleki B, Ziae N, Khodadoustan A, **Janahmadi M**. Anethole, a Medicinal Plant Compound, Decreases the Production of Pro-Inflammatory TNF- α and IL-1 β in a Rat Model of LPS-Induced Periodontitis. *Iran J Pharm Res.* 2014 Fall;13(4):1319-25.
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