



Mohammad Reza Kaffashin

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First name: **mohammad reza**

Surname: **kaffashian**

Date & place of birth: **1967, Iran**

Marital status: **Married**

Education:

P.hD : **Physiology**

University: **Shaheed Beheshti Medical Sciences University (2003-2009)**

M.Sc.: **Physiology**

University: **Tehran Medical Sciences University (1994-1998)**

Professional Experience:

Member of faculty: from 1998, Medical University Of Ilam

Reasearch Experience:

PhD thesis: **An electerophysiological analysis of neuroprotective effect of melatonin on 3-AP induced ataxia in rat: Whole cell patch clamp recording of purkinje neurons**

M.Sc.thesis: **The effect of drugs induction (stimulant and narcotic) on visual reaction time and vital signs (blood pressure, temprature, puls)**

Skills:

Sharp and whole cell patch clamp recording techniques from slice and in vivo situation.

Behavioural methods (e.g. activity monitoring, rotarode)

Computer skills (e.g. Excel, SPSS, Statistica, Pclamp, MS office , ...)

Membership:

Iranian Society of Physiology and Pharmacology (ISPP)

IBRO

IUPHAR

FAONS

IUPS

Activities:

Participation in :

The second Iranian congress of neural science, Tehran, IRAN, 2002

IBRO neuroscience workshop, Tehran, IRAN, Feb. 2002

Patch Clamp pregress workshop, Tehran, IRAN, by Prof. Alasdair Gibb

Pregress workshop of developmental neuroscience, Tehran, IRAN, by Prof.

John Nicholls

Giving lecture about the subject of my thesis in 16th Congress of physiology, IRAN

The second FAONS symposium, Tehran, IRAN, May 2004

6th IBRO associate school of neuroscience as an instructor, IRAN, September 2006

Publications

Kaffashian M, Shabani M, Goudarzi I, Behzadi G, Zali A, Janahmadi M. **Profound alterations in the intrinsic excitability of cerebellar Purkinje neurons following neurotoxin 3-acetylpyridine (3-AP)-induced ataxia in rat: new insights into the role of small conductance K⁺ channels.** *Physiol Res.* 2010 Nov 29.

Goudarzi I, Kaffashian M, Shabani M, Haghdoost-Yazdi H, Behzadi G, Janahmadi M. **In vivo 4-aminopyridine treatment alters the neurotoxin 3-acetylpyridine-induced plastic changes in intrinsic electrophysiological properties of rat cerebellar Purkinje neurones.** *Eur J Pharmacol.* 2010 Sep 10;642(1-3):56-65.

Goudarzi, I. Kaffashian, M. R. Janahmadi, M. Fatholahi, Y. Hajizadeh **Co-treatment with riluzole, a neuroprotective drug, ameliorates the 3-acetylpyridine induced neurotoxicity in cerebellar purkinje neurons of rats: behavioural and electrophysiological** *Neurotoxicology.* 2009 May;30(3):393-402. Epub 2009 Mar 5.

Goudarzi, I. Kaffashian, M. R. Janahmadi, M. Fatholahi, Y. Hajizadeh, S. **Enhancement of purkinje neuronal excitability by the inhibition of fast voltage gated K⁺ channel function in ataxic rats.** *Yakhteh Medical journal.* 2007; 9(4):232-239 (persian)

Goudarzi, I. Kaffashian, M. R. Janahmadi, M. Fatholahi, Y. Hajizadeh, S. **Functional role of hyperpolarization activated cationic current (I_h) in purkinje neurons.** 18th Iranian Congress of Physiology and Pharmacology, Mashhad, Iran,

Referees:

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