



I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di** Domanda concorso Assegno di Ricerca

Scientist- in - charge: Prof. ANNA MORONI

Fatemeh Farahani

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Farahani
Name	Fatemeh

PRESENT OCCUPATION

Appointment	Structure
Not formal job	-

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD Medical Physiology (PhD by course)	6 years	Tarbiat Modares University, Tehran, Iran	2021 Final mark: 19.46
Master Medical Physiology	3 years	Medical University of Kerman, Kerman, Iran	2014 Final mark: 16.96
Bachelor Science Speech Therapy	4 years	Medical University of Isfahan, Isfahan, Iran	2002
Degree of European specialization			



Other			
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REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
English	Intermediate

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
Oct. 2019- Sep. 2020	Sabbatical (research) opportunity for electrophysiological study of the serotonergic neurons of Dorsal Raphe in the Dr. Vincent Seutin's lab, university of Liege, Liege, Belgium

TRAINING OR RESEARCH ACTIVITY

Teaching "Medical Physiology" unit to the Bachelor students at Medical University of Kerman
Training medicine students in the physiology lab at Medical University of Kerman
Training experimental techniques to the junior students in the lab at Medical University of Kerman and Tarbiat Modares University

PROJECT ACTIVITY

Year	Project
2017-2021 PhD Thesis Project	Investigating the electrophysiological properties of locus coeruleus neurons and their responsiveness to orexin in rat model of inflammatory pain with morphine pretreatment



2018	Setting the patch-clamp recording of the locus coeruleus neurons of the adult rats brain
2012-2014 Ms Thesis Project	The role of female sex steroid hormones in some pathways of proinflammatory cytokines signaling following diffuse traumatic brain injury in female rats
2001-2002 B.S. Thesis Project	Investigating the relationship between syllabic listening short-term memory with mean length of sentence (MLS) in 7-year-old children of Isfahan

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
29-31 October 2014	3rd Basic and Clinical Neuroscience congress	Tehran, Iran
April 30 - May 11, 2016	IBRO APCR 5th Tehran School of Neuroscience (Executive cooperation)	Tehran, Iran
15-18 February, 2018	2nd International Congress of physiology and pharmacology	Chabahar, Iran
September 30- October 7, 2019	BRO-VLTP Course in Neuroscience (Executive cooperation)	Tarbiat Modares University, Tehran, Iran

PUBLICATIONS

Books
“Neurology, Anatomy and Mechanism of speech”; Publication Atropat, Isfahan, Iran; ISBN: 964-7023-00-6; 2001. This book is written in Persian language and is related to my bachelor's degree (Speech Therapy).
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]



Articles in reviews
Effects of pregabalin on brain edema, neurologic and histologic outcomes in experimental traumatic brain injury. Brain Research Bulletin. 2018; 140:169–175.
Formalin-induced inflammatory pain increases excitability in locus coeruleus neurons. Brain Res Bull. 2021; 172:52–60.
Prenatal exposure to morphine enhances excitability in locus coeruleus neurons. Journal of Neural Transmission. 2022; 129:1049–1060.
Possible involvement of female sex steroid hormones in intracellular signal transduction mediated by cytokines following traumatic brain injury. Brain Research Bulletin. 2022; 178: 108–119.
Acute morphine injection persistently affects the electrophysiological characteristics of rat locus coeruleus neurons. Neuroscience letters. 2023; 795 (2023) 137048.
My Google Scholar Profile: https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=o_rJxKgAAAAJ

Congress proceedings
“Changes in SOCS-3 after traumatic brain injury: effects of sex steroids”, poster presentation 3rd Basic and Clinical Neuroscience Congress (BCNC), Tehran, Iran, October 29-31, 2014.
“Inflammatory Pain Increase Excitability in Locus Coeruleus Neurons”, poster presentation 11th Basic and Clinical Neuroscience Congress (BCNC), Tehran, Iran, February 13- 14, 2023.
[title, structure, place, year]

OTHER INFORMATION

Workshops
Patch clamp workshop, Tarbiat Modares University, Tehran, Iran, May 6-10, 2018. (Scientific cooperation)
Patch clamp workshop, Tarbiat Modares University, Tehran, Iran, November 21, 2018.
Functional Evaluation of Visual Pathway workshop, Tarbiat Modares University, Tehran, Iran, December 8, 2018.
“All in One Workshop” on preclinical imaging at TUMS Preclinical Core Facility (TPCF), Tehran University of Medical Science, Tehran, Iran, 9th January, 2019.
“Tehran Patch-Clamp Workshop 2021” with the presentation of the: Prof. Jonathan Ashmore (University College London, UK), Prof. Alasdair Gibb (University College London, UK), Prof. Vincent Seutin (Liege University, Belgium) and Prof. John Williams (Oregon Health and Science University, USA), organized by Tarbiat Modares University, held on 2021, July 3rd, 1-9 p.m.
Online “Evoked Field Potential Recording” workshop organized by TMU, Iran, October 13, 2021.
Online “Patch Clamp” workshop, organized by Tarbiat Modares University, Iran, October 16, 2021.



Research Experiences:

Animal model of a Traumatic Brain Injury, TBI (Marmarou method)

Brain Water Content measurement (Brain edema index)

Female Rat's ovariectomy

Immunohistochemistry (IHC) of brain tissue

Pain assessment tests: Formalin test and Von Frey test

Rat brain slice preparation

In vitro whole-cell patch-clamp recording from locus coeruleus noradrenergic neurons and dorsal raphe serotonergic neurons

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

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Place and date: