



# PARHAM REISI

RESEARCHER 📍 ISFAHAN, IRAN, ISLAMIC REPUBLIC OF 📞 00989132942421

## ◦ DETAILS ◦

Isfahan, Iran, Islamic Republic of  
00989132942421  
parhamzh@gmail.com  
p\_reisi@med.mui.ac.ir

## ◦ LINKS ◦

[LinkedIn](#)  
[Google Scholar](#)

## ◦ SKILLS ◦

Critical thinking and problem solving  
Leadership Skills  
Ability to Multitask  
Creativity  
Communication Skills  
Ability to Work in a Team

## ◦ LANGUAGES ◦

English  
Persian

## ◦ HOBBIES ◦

Being with my family, Studying,  
Mountaineering, Swimming.

## 👤 PROFILE

More than 10 years of research experience in the field of Neuroscience. My research focuses on the basic mechanisms of cognitive disorders in neurodegenerative diseases, and motivated behavior and decision-making in addiction and other behavioral disorders.

## 📁 EMPLOYMENT HISTORY

### Professor of Physiology at Isfahan University of Medical Sciences, Isfahan

January 2019 — Present

### Associate Professor of Physiology at Isfahan University of Medical Sciences, Isfahan

July 2014 — January 2019

### Assistant Professor of Physiology at Isfahan University of Medical Sciences, Isfahan

November 2008 — July 2014

### Assistant Director of the International Education Development Center and in charge of coordinating the education of international students at Isfahan University of Medical Sciences, Isfahan

December 2019 — July 2022

### Director of the Post Graduate Students in the School of Medicine at Isfahan University of Medical Sciences, Isfahan

July 2014 — December 2019

### Emergency Medical Nurse (Paramedic) at Isfahan University of Medical Sciences, Isfahan

February 2001 — March 2006

## 🎓 EDUCATION

### Ph.D. of Medical Physiology, Tabriz University of Medical Sciences, Tabriz

December 2005 — July 2008

Rank 2 in the country in the Ph.D. entrance exam, 2005

Top Ph.D. thesis at Tabriz University of Medical Sciences, 2008

### M.Sc. of Medical Physiology, Isfahan University of Medical Sciences, Isfahan

September 2001 — July 2004

Top Ranked in M.Sc., 2004

### B.Sc. of Nursing, Isfahan University of Medical Sciences, Isfahan

January 1995 — January 1999

## ⚙️ COURSES

### 6th IBRO-Associate School and 1st Neuroscience Orientation Summer Program, International Brain Research Organization (IBRO)

August 2006 — September 2006

## ★ TEACHING EXPERIENCE

### Supervisor or Advisor,

2009 — Present

I have been the supervisor of 18 post-graduate (MSc. and PhD.) students and the co-supervisor or advisor of 20 post-graduate (MSc. and PhD.) students.

### **Cell Physiology & Neurophysiology, Isfahan**

September 2010 — Present

Medical, MSc, and Ph.D. Students

International Medical Students (Teaching in English; 2019-Present)

### **General & Practical Physiology, Isfahan**

September 2005 — Present

Medical and Paramedical students

### **Practical Cytology, Isfahan**

September 2005 — July 2006

Paramedical students

## ★ INVITED REVIEWS

**Peer review of more than 100 scientific articles in the field of neuroscience for international prestigious journals**

2010 — Present

## ★ CONGRESS

### **Oral presentations**

- Second International Course on Laboratory Animal Science, Best Medical Academy (2022)
- Oral Presentation at the IBRO-APRC Georgian Associate School of Neuroscience (2021)
- Keynote Speaker at the IBRO-APRC Georgian Associate School of Neuroscience (2021)
- The First Annual Meeting of the Georgian Center for Neuroscience Research (GCNR-2020)
- First International Congress of Physiology and Pharmacology and the 22nd Iranian Congress of Physiology and Pharmacology, Kashan (2015)
- 13th Iranian Pharmaceutical Sciences Congress (2012)
- 21st Iranian Congress of Physiology and Pharmacology, Tabriz (2013)
- 20th Iranian Congress of Physiology and Pharmacology, Hamedan (2011)
- 19th Iranian Congress of Physiology and Pharmacology, Tehran (2009)

### **Poster presentations**

- 8th Neuroscience congress, Tehran (2019)
- Second International Congress and 23rd Iranian Congress of Physiology and Pharmacology, Chabahar (2018)
- 6th Neuroscience congress Tehran (2017)
- 5th Neuroscience congress Tehran (2016)
- 4th Neuroscience congress Tehran (2015)
- 3rd Neuroscience congress Tehran (2014)
- 8th Federation of European Neuroscience Societies, Barcelona, Spain (2012)
- 12th Iranian Nutrition Congress, Isfahan University of Medical Sciences (2012)
- 20th Iranian Congress of Physiology and Pharmacology, Hamedan (2011)
- The 7th Congress of the Federations of Asian and Oceanian Physiological Societies FAOPS, Taiwan (2011)

## ★ PUBLICATIONS

### **Book**

Introduction to laboratory techniques for working with rats. 1st edition, Isfahan University of Medical Sciences, Isfahan, 2010 [Book in Persian].

### **Book chapters**

Alaei, H., Siahmard, Z., **Reisi, P.**, 2015. Red grape juice and Alzheimer's disease. In Diet and Nutrition in Dementia and Cognitive Decline. Vol., ed. eds. Academic Press, pp. 935-942. (Book Chapter).

## Articles

More than 90 Scientific papers,

Please see **Google Scholar**

(<https://scholar.google.com/citations?user=KoCsThAAAAAJ&hl=en>)

Recent articles:

1. Kalantarzadeh E, Radahmadi M, **Reisi P.**, 2022. The impact of different dark chocolate dietary patterns on synaptic potency and plasticity in the hippocampal CA1 area of the rats under chronic isolation stress. *Nutritional Neuroscience*. 1-10.
2. Hasanzadeh Razmanjani N, **Reisi, P. (Corresponding author)**, 2022. Effects of selective orexin receptor-2 and cannabinoid receptor-1 antagonists on the response of medial prefrontal cortex neurons to tramadol. *Synapse*. 76(7-8):e22232.
3. Mohammadi E, Makkiabadi B, Shamsollahi MB, **Reisi P**, Kermani S., 2022 Wavelet-Based Biphase Analysis of Brain Rhythms in Automated Wake-Sleep Classification. *International Journal of Neural Systems*. 32(2):2250004.
4. Imanpour V, **Reisi, P. (Corresponding author)**, 2022. The Effect of Orexin-2 and Endocannabinoid-1 Antagonists on Neuronal Activity of Hippocampal CA1 Pyramidal Neurons in Response to Tramadol in Rats. *Advanced biomedical research*. 11:26.
5. Rezaei Z, Alaei H, **Reisi, P. (Corresponding author)**, 2022. Effects of electrical stimulation and temporary inactivation of basolateral amygdala on morphine-induced conditioned place preference in rats. *Neuroscience Letters*. 774:136519.

## ★ LAB SKILLS

### Animal handling and Rodent surgery

#### Stereotaxic surgery and Histological verification

#### Animal electrophysiology

- Field potential recording
- Single unit recording
- Visual evoked potential (VEP)
- Electromyography (EMG)
- Nerve conduction velocity (NCV)
- Electroencephalography (EEG)

#### Brain Microdialysis

#### Behavioral assays

- Morris water maze (MWM)
- Passive avoidance learning (PAL)
- Elevated plus maze (EPM)
- Conditioned place preference (CPP)
- Hot plate and tail flick tests
- Object location test (OLT)
- Novel object recognition (NOR)
- Running exercise in rodents
- ...

#### Experience with animal models

Learning and memory disorders, Alzheimer's, diabetes, stress, addiction, demyelination, and seizures.

#### Hands-on experience in molecular and biochemical methods

- DNA and RNA isolation
- Polymerase chain reaction (PCR)
- Reverse transcription-polymerase chain reaction (RT-PCR)
- DNA cloning
- SDS-PAGE

- Electrophoresis
- Flow cytometry
- Spectrophotometry
- High-performance liquid chromatography (HPLC)

#### **Cell culture**

#### **Computer skills**

SPSS, GraphPad Prism, ImageJ, Word, Excel, PowerPoint, ...

Minor proficiency in R and MATLAB programming languages

Various softwares are related to laboratory and molecular studies

### ★ **HOLDING WORKSHOPS**

#### **Workshop on Animal Electrophysiology**

- Georgia (Iv. Javakishvili Tbilisi State University; 2020)
- Pakistan (International Centre for Chemical and Biological Sciences, ICCBS, University of Karachi; 2019)
- Many times, in Iran (2015-2022).

### 📌 **REFERENCES**

**Prof. Hojjatallah Alaei from Isfahan University of Medical Sciences**

alaei@med.mui.ac.ir

**Prof. Seyed Mahmoud Hoseini from Mashhad University of Medical Sciences**

hosseinim@mums.ac.ir

**Prof. Seyed Hossein Mirhendi Esfahani from Isfahan University of Medical Sciences**

s.h.mirhendi@gmail.com

**Prof. Hossein Khanahmad from Isfahan University of Medical Sciences**

hossein\_khanahmad@med.mui.ac.ir