

# Curriculum Vitae



Name: Ali

Date of birth: 9/11/1981

Surname: Razmi

Place of birth: Tehran, Iran

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## **Education:**

2008-2013: Department of Pharmacology, School of Medicine  
Tehran University of Medical Sciences, Tehran, Iran  
Ph.D. Pharmacology

2000-2008: Faculty of Pharmacy, Shahid Beheshti University of Medical  
Sciences, Tehran, Iran  
Pharm.D.

1996-2000: High school education, Shahid Motahari School,  
Tehran, Iran

## **Research Interests:**

Neuropharmacology of addiction, learning and memory, Sleep

Neurobiology and Pharmacology of neural plasticity on Learning Behavior in  
Animal Models

Cellular Signaling of Memory and Learning

Pharmacology of Pain and inflammation management

Clinical trial study on mood disorders

## **Research Experiences:**

### **Published Works:**

- 1 Hamid Reza Rahimi, Mahdi Shiri, and Ali Razmi, Antidepressants Can Treat Inflammatory Bowel Disease through Regulation of the Nuclear Factor-K $\kappa$ B/Nitric Oxide Pathway and Inhibition of Cytokine Production: A Hypothesis, *Gastrointestinal Pharmacology and Therapeutics* (2012) 83.
- 2 Ali Razmi, Afshin Zarghi, Sara Arfaee, Nima Naderi, and Mehrdad Faizi, 'Evaluation of Anti-Nociceptive and Anti-Inflammatory Activities of Novel Chalcone Derivatives', *Iranian Journal of Pharmaceutical Research*, 12 (2013) (Suppl) 149-55.
- 3 Razmi A, Jahanabadi S, Sahebgharani M, Zarrindast MR. EPAC-STX interaction may play a role in neurodevelopment/neurogenesis. *Medical hypotheses*. (2013) 81:216-8.
- 4 Ali Razmi, Mousa Sahebgharani, Mohammad Hossein Khani, Seyed Hassan Paylakhi, Mehrdad Faizi and Mohammad-Reza Zarrindast. Cyclic AMP Pathway Modifies Memory through Neural Cell Adhesion Molecule Alterations in the Rat Hippocampus. *Acta medica Iranica*. (2014) 52(4):246-255.
5. Mohammad Reza Zirak, Reza Rahimian, Mahmoud Ghazi-Khansari, Ata Abbasi, Ali Razmi, Shahram Ejtemaei Mehr, Kazem Mousavizadeh and Ahmad Reza Dehpour. Tropicisetron attenuates cisplatin-induced nephrotoxicity in mice. *European Journal of Pharmacology* (2014) 738: 222–229.

6. Hamid Reza Rahimi, Ahmad Reza Dehpour, Shahram Ejtemaei Mehr, Mohammad Sharifzadeh, Mohammad Hossein Ghahremani, Ali Razmi and Seyed Nasser Ostad. Lithium Attenuates Cannabinoid-Induced Dependence in the Animal Model: Involvement of Phosphorylated ERK1/2 and GSK-3 $\beta$  Signaling Pathways. *Acta Medica Iranica* (2014) 52 (9):656-63.
7. Shayan Amiri, Arya Haj-Mirzaian, Maryam Rahimi-Balaei, Ali Razmi, Nastaran Kordjazy, Armin Shirzadian, Shahram Ejtemaei Mehr, Hamed Sianati, Ahmad Reza Dehpour. Co-occurrence of anxiety and depressive-like behaviors following adolescent social isolation in male mice; possible role of nitrenergic system. *Physiology and Behavior* (2015) 145: 38-44.
8. Hamid Reza Rahimi , Mohammad Hossein Ghahremani , Ahmad Reza Dehpour, Mohammad Sharifzadeh, Shahram Ejtemaei-Mehr, Ali Razmi and Seyed Nasser Ostad. The neuroprotective effect of lithium in cannabinoid dependence is mediated through modulation of cyclic AMP, ERK1/2 and GSK-3 $\beta$  phosphorylation in cerebellar granular neurons of rat. *Iranian Journal of Pharmaceutical Research* (2015) 14 (4):?-?.
9. Mohammad Reza Zirak, Reza Rahimian , Ata Abbasi, Ali Razmi, Mahmoud Ghazi-Khansari and Ahmad Reza Dehpour. Investigating the Protective Effects of Selective 5-HT<sub>3</sub> Receptor Antagonists (Tropisetron, Granisetron or Ondansetron) on Cisplatin-Induced Nephrotoxicity in Mice. *Acta Medica Iranica* (2015)
10. Reza Hajiaghaee, Mehrdad Faizi, Zahra Shahmohammadi, Fatemeh Abdollahnejad, Hasanali Naghdibadi, Foroogh Najafi and Ali Razmi. Hydroalcoholic extract of *Myrtus communis* can alter anxiety and sleep

parameters: a behavioural and EEG sleep pattern study in mice and rats. *Pharmaceutical Biology* (2016) 1744-5116.

11. Arya Haj-Mirzaian , Shayan Amiri, Nastaran Kordjazy, Majid Momeny, Ali Razmi , Maryam Rahimi-Balaei , Hossein Amini-Khoei, Armin Haj-Mirzaian , Hassan Marzban, Shahram Ejtemaee Mehr , Shahin Ghaffari, Ahmad-Reza Dehpour. Lithium attenuated the depressant and anxiogenic effect of juvenile social stress through mitigating the negative impact of interleukin-1 $\beta$  and nitric oxide on hypothalamic-pituitary-adrenal axis function. *Neuroscience* (2016) 315:271-85.

12. Anita Barzegar-Fallah, Houman Alimoradi, Ali Razmi, Ahmad Reza Dehpour, Mojgan Asgari, Massoumeh Shafiei Inhibition of calcineurin/NFAT pathway plays an essential role in renoprotective effect of tropisetron in early stage of diabetic nephropathy. *European Journal of Pharmacology* (2015) 767 152–159.

13. Firouzeh Asadi, Ali Razmi, Ahmad Reza Dehpour and Massoumeh Shafiei. Tropisetron inhibits high glucose-induced calcineurin/NFAT hypertrophic pathway in H9c2 myocardial cells. *Journal of Pharmacy and Pharmacology* (2016) 68(4):485-93.

14. Shayan Amiri, Hossein Amini-Khoei, Ali Mohammadi-Asl, Sakineh Alijanpour, Arya Haj-Mirzaian, Maryam Rahimi-Balaei, Ali Razmi, Carl O. Olsson, Mojgan Rastegar, Mehdi Mehdizadeh, Mohammad-Reza Zarrindast.

Involvement of D1 and D2 dopamine receptors in the antidepressant-like effects of selegiline in maternal separation model of mouse. *Physiology & Behavior* (2016) 163 106-114.

15. Shayan Amiri, Arya Haj-Mirzaian, Hossein Amini-Khoei, Ali Razmi, Armin Shirzadian, Maryam Rahimi-Balaei, Carl O Olson, Arman Mohsenzadeh, Mojgan Rastegar, Mohammad-Reza Zarrindast, Mahmoud Ghazi-Khansari. Protective effects of gabapentin against the seizure susceptibility and comorbid behavioral abnormalities in the early socially isolated mice. *European Journal of Pharmacology* (2017) 797 106-114.

16. Elahe Mahmoudi, Mehrdad Faizi, Reza Hajiaghaee, Ali Razmi. Alteration of depressive-like behaviors by *Psilocybe cubensis* alkaloid extract in mice: the role of glutamate pathway. *Research Journal of Pharmacognosy* 5 (2), 17-24

**In progress:**

- Investigating genetic and protein expression of transient receptor potential, vanilloid Type 1 (TRPV1) receptor and Cannabinoid Receptor Type1 (CB1) in morphine induced conditioned place preference (CPP).
- Declaration of Phosphorylated CREB,  $\beta$ -Arrestin and Phosphorylated ERK roles in minocycline effects on morphine sensitized rats (In progress)
- Effects of Lithium on social isolated model of anxiety

- Evaluation of antidepressant activity of fractioned extract of *Schrophularia striata* in animal experimental models
- Evaluation of adjunctive therapy of propolis in the treatment of mild to moderate depression
- Evaluation of the efficacy and safety of alkaloid extract of *Psilocybe cubensis* in comparison with fluoxetine in a randomized clinical trial schedule

### **Skills and Techniques:**

#### **Behavioral Techniques**

Animal Models of Memory  
Animal Models of Reward  
Animal Models of Anxiety  
Animal Models of Pain & inflammation  
Stereotaxic Surgery (rats & mice)

#### **Molecular Methods:**

Immunoblotting (Western blotting) Protein Assay  
Real-time PCR  
Electrophoresis  
Nonspecific Protein Assay Techniques (Lowry and Bradford assay)  
DNA & RNA Extraction

### **Grants and Fellowships:**

Research Grant from Tehran University of Medical Science

### **Certifications:**

Introduction to Statistical Concepts

SAS® Programming 1: Essentials

Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression

### **Computer Skills:**

Ethovision XT

SPSS

JMP

SAS Base

Graphpad prism

Excel, PowerPoint, Word and Outlook

CorelDraw

ImageJ

### **Seminars:**

Pharmacology Department, October 2010

#### **A Forty-Year Perspective of Memory:**

A presentation about some of changes over the last 40 years to commemorate the 40<sup>th</sup> anniversary of the Society for Neuroscience (SfN)

Pharmacology Department, February 2010

#### **Role of cell adhesion molecules on Long Term Potentiation**

An overview of cell adhesion molecules (CAMs) expressing in CNS and their functions and Post translational procedures such as Polysialylation of CAMs on Long Term Potentiation

## **Lectures**

CME for Pharmacist (Cardiovascular Pharmacotherapy) Qazvin, Iran

## **Language skills:**

Persian: Mother tongue

English

## **Teaching skills:**

- Over 100 hours experimental and theoretical teaching in Department of Pharmacology of TUMS
- TUMS International Branch
- Qom Islamic Azad University of Medical Sciences
- Arak University of Medical Sciences
- Over 300 hours teaching in Faculty of Exercise, Central Tehran Branch, Islamic Azad University

## **Pharmaceutical positions:**

- Pharmacist at Aryadarou sarmad (1393)
- Pharmacist at Nooshdarou Alborz (1394-1396)
- Pharmacist at institute of medicinal plants professional services center (1396-now)

## **Society Membership:**

- Iranian Pharmacist Association
- Medical Council of Iran (M.C.No :13672)



