

Curriculum Vitae

Personal information

Name: Negar Firouzabadi
Date of birth: September 4th, 1982
Family status: Married, one daughter
Academic email: Firouzabadi@sums.ac.ir

Permanent address:

Shiraz University of Medical Science, School of Pharmacy, Shiraz, Iran

Phone No: +98-71-32424128 Ex. 303

➤ EDUCATION and TRAINING

Faculty of Pharmacy, Shiraz University of Medicine, Shiraz 09/2000-03/2007

Degree: Pharm D

Faculty of Pharmacy, Tehran University of Medical Sciences, School of Medicine, Department of
Pharmacology, PhD candidate of Pharmacology 03/2007- 02/2012

Degree: PhD

➤ **LANGUAGES**

Native and fluent in Farsi

Fluent in English

Intermediate in German

➤ **LICENSURE**

Iranian Pharmacy Council

Physiology and Pharmacology Council

➤ **PROFFESIONAL EXPERIENCE**

Present Positions:

since 01/2019

Associate Professor of pharmacology

Department of Pharmacology and Toxicology

School of Pharmacy

Shiraz University of Medical Sciences

Shiraz, Iran

Member of Noncommunicable Diseases (NCD) Research Center

Fasa University of Medical Sciences

Fasa, Iran

Member of Center for Nanotechnology in Drug Delivery

Shiraz University of Medical Sciences

Shiraz, Iran

➤ **ATTENDED WORKSHOPS**

Introduction to the Principles and Practice of Clinical Research

The NIH Clinical Center, Online Course

10/2014-03/2015

Proteomics workshop

SRTOBE workshop

EDC workshop (attended at Tehran University of Medical Sciences)

EDC workshop (attended at Shiraz University of Medical Sciences)

Articulate workshop

Multiple Mini Interview workshop

RNA extraction techniques & Real-time PCR workshop

Primer design workshop

➤ **HONORS**

First rank in comprehensive examination of pharmacology 2009

Honor student of PhD

Certified as distinguished lecturer by Dean of Education of Shiraz University of Medical Sciences

(2019)

Certified as distinguished lecturer of Shiraz School of Pharmacy by Dean of Education of Shiraz University of Medical Sciences (2020)

➤ **LECTURES and PRESENTATIONS**

1. The Orexin Receptor-2 Gene (OX2R) as a Candidate Gene in Somnolence Associated with Sertraline in Depressed Patients. Niloufar Navabzadeh, **Negar Firouzabadi***, Ebrahim Moghimi-Sarani. 8th Basic and Clinical Neuroscience Congress, 2019. *Poster*
2. Beta Adrenoceptor polymorphism and clinical response to Fluoxetine in Major Depressive Patients. Roja Asadpour, **Negar Firouzabadi***, Ali Alavi-Shoushtari. 8th Basic and Clinical Neuroscience Congress, 2019. *Lecturer*
3. Measurement of serum IL-33 level and sST2 in patients with heart failure receiving carvedilol. Maryam Dashti, **Negar Firouzabadi***, Ali Dehshahri, Ehsan Bahramali. 2nd International Congress on Pharmacy Updates. *Poster*
4. Measurement of serum IL-33 level and sST2 in opioid users. Kimia Javdani, **Negar Firouzabadi***, Ali Dehshahri. 2nd International Congress on Pharmacy Updates. *Poster*
5. Dopamine receptor genetic variants and their association with response to risperidone in autistic children. **Negar Firouzabadi**, Maryam Forouzmehr, Ali Alavi-Shoushtari. 3rd European Academy of Neurology Congress, Amsterdam, The Netherlands. *Poster*
6. The relationship between renin-angiotensin system genetic variation and autism in Iranian children, A case-control study. **Negar Firouzabadi**, Nima Ghazanfari, Ali Alavi-Shoushtari. Icb 2017. *Poster*
7. Association between Genetic polymorphisms of the dopaminergic system and response to pharmacotherapy in Iranian autistic children. **Negar Firouzabadi**, Elham Shirazi-Tehrani, Alireza Ahmadi, Ali Alavi-Shoushtari. 14th Iranian Congress of Toxicology. *Poster*

8. An investigation on interleukin 18 expression in cardiovascular diseases. Maryam Dashti, **Negar Firouzabadi**. International Congress on Pharmacy Updates. *Poster*
9. The relationship between renin-angiotensin system genetic variation and response to haloperidol in autistic patients. **Negar Firouzabadi**, Nima Ghazanfari, Ali Alavi Shoushtari, Nasrollah Erfani. 2nd National Congress of Autism. *Lecturer*
10. The relationship between genetic polymorphism of RAS components and response to sertraline in depressed patients. **Negar Firouzabadi**, Nasrollah Erfani, Ali Alavi Shoushtari, Ilnaz Yavarian. 22th International Congress of Physiology & Pharmacology. *Poster*
11. The relationship between renin-angiotensin system genetic polymorphisms and blood sugar levels in fluoxetine treated depressed patients. **Negar Firouzabadi**, Mohammad Reza Hooshangi Shayesteh, Nasrollah Erfani, Ali Alavi Shoushtari, Nima Ghazanfari. 22th International Congress of Physiology & Pharmacology. *Poster*
12. The relationship between renin-angiotensin system genetic variation and response rate to risperidone or haloperidol in autistic patients. **Negar Firouzabadi**, Nima Ghazanfari, Ali Alavi Shoushtari, Nasrollah Erfani, Farshid Fathi, Mohammad Reza Hooshangi Shayesteh. 22th International Congress of Physiology & Pharmacology. *Poster*
13. Relationship between genetic polymorphism of adrenergic system components and response to sertraline and fluoxetine in depressed patients. **Negar Firouzabadi**, Roja Asadpour, Roshanak Raeisi, Kamyar Zomorodian, Ali Alavi Shoushtari. 22th International Congress of Physiology & Pharmacology. *Poster*

14. **Firouzabadi N**, Shafiei M, Tajik N, Bahramali E, Bakhshandeh H (2013). Study on Association of angiotensin-converting enzyme (ACE) gene polymorphism with serum ACE activity and major depression in an Iranian population. 21th Congress of Physiology & Pharmacology. *Poster*
15. **Firouzabadi N**, Shafiei M, Tajik N, Bahramali E, Maadni M, Bakhshandeh H (2011). Study on the Relationship between Renin-Angiotensin System (RAS) Genetic Polymorphisms and Coronary Artery Disease (CAD) in Iranian Patients. 17th International Congress of Iranian Heart Association. *lecturer*
16. **Firouzabadi N**, Tajik N, Ebrahimi SA, Bahramali E, Bakhshandeh H (2011). Study on the Interaction between Different Renin-Angiotensin System (RAS) Genetic Polymorphisms and Serum Angiotensin-Converting Enzyme (ACE) Activity in an Iranian Healthy Population. 20th Congress of Physiology & Pharmacology. *Lecturer*

➤ **PUBLICATIONS**

1. Elham Shirazi-Tehrani, **Negar Firouzabadi***, Gholamhossein Tamaddon, Ehsan Bahramali, Asma Vafadarfar. Carvedilol alters circulating miR-1 and miR-214 in Heart Failure. *Pharmacogenomics and Personalized Medicine*. 2020; *in press*
2. **Negar Firouzabadi***, Maryam Dashti, Ali Dehshahri, and Ehsan Bahramali. Biomarkers of IL-33 and sST2 and Lack of Association with Carvedilol Therapy in Heart Failure. *Clinical Pharmacology: Advances and Applications*. 2020; 12, 53-58.
3. E Haem, M Doostfateme, **N Firouzabadi**, N Ghazanfari, MO Karlsson. A longitudinal item response model for Aberrant Behavior Checklist (ABC) data from

- children with autism. *Journal of Pharmacokinetics and Pharmacodynamics* 2020; 47, 241–253.
4. Association study of the beta-adrenergic receptor genetic variant Gly389Arg and fluoxetine response in major depression. **N Firouzabadi***, R Asadpour, K Zomorrodian. *Galen Medical Journal* 2020; 9,1781-1787.
 5. Overexpression of Adiponectin Receptors in Opium Users with and without Cancer. **N Firouzabadi***, M Haghnegahdar, B Khalvati, A Dehshahri, E Bahramali. *Clinical Pharmacology: Advances and Applications* 2020; 12, 59-65.
 6. Orexin/Hypocretin Type 2 Receptor (HCRTR2) Gene as a Candidate Gene in Sertraline-Associated Insomnia in Depressed Patients. **N Firouzabadi***, N Navabzadeh, E Moghimi-Sarani, M Haghnegahdar. *Neuropsychiatric Disease and Treatment* 2020; 16, 1121-1127.
 7. **N Firouzabadi***, M Dashti. IL-33/sST2 axis in The Cardiovascular System: A Brief Review. *Trends in Pharmaceutical Sciences* 2020; 6 (2), 67-72.
 8. Negar Firouzabadi, Kimia Javdani, Ali Dehshahri. IL-33/sST2 as a potential biomarker of cancer in opium users. *Under Review*
 9. **Negar Firouzabadi**, Nima Ghazanfari, Ali Alavi Shoushtari. Potential role of angiotensin-converting enzyme genetic variants on response to risperidone in autistic individuals. *Under Review*
 10. Negar Firouzabadi, Nahid Alimoradi, Mohammad Najafizadeh. Effect of escitalopram on an acetic acid-induced ulcerative colitis model. *Clinical & Experimental Physiology and Pharmacology*. *Revision*

11. **Negar Firouzabadi***, Parisa Farshadfar, Maral Haghnegahdar, Ali Alavi-Shoushtari, Vahid Ghanbarinezhad. Impact of ACE 2 genetic variant on antidepressant efficacy of sertraline. *Under Review*
12. Dena Firouzabadi, **Negar Firouzabadi***, Kiana Kalani, Kamyar Zomorrodian, Elham Shirazi Tehrani. Response to sertraline is influenced by GN β 3 gene G-350A variant in patients with major depressive disorder. *European journal of clinical pharmacology*. 2019; 75, 189-194.
13. **Negar Firouzabadi***, Hasti Nouraei, Ali Mandegary. Genetic Variant of Glucocorticoid Receptor Gene at rs41423247 and Its Association with Major Depressive Disorder: A Case-Control Study. *Galen Medical Journal* 2018, 7, 1181-1187.
14. Ehsan Bahramali, **Negar Firouzabadi**. Missed Links in the Determination of Challenges of Urban Family Physician Program Response. *Archives of Iranian Medicine*. 2018; 21, 489-489.
15. Mohammad Reza Dorvash, Mohammad Javad Khoshnood, Hossein Saber, Amirreza Dehghanian, Pouria Mosaddeghi, **Negar Firouzabadi***. Metformin treatment prevents gallstone formation but mimics porcelain gallbladder in C57Bl/6 mice. *European journal of pharmacology*, 2018; 833, 165-172.
16. Maryam Dashti, **Negar Firouzabadi***. An investigation on interleukin 18 expression in cardiovascular diseases. *International Pharmacy Acta* 2018; 1, 69-70
17. **Negar Firouzabadi**, Anna Nazariat, Kamiar Zomorrodian. DRD3 Ser9Gly Polymorphism and Its Influence on Risperidone Response in Autistic Children. *Journal of Pharmacy & Pharmaceutical Sciences* 2018; 20, 445-452.

18. Ehsan Bahramali, **Negar Firouzabadi**, Mona Rajabi, Alireza Manafi, Mehrdad Zarghami, Seyyed Mohammad Mousavi, Javad Jamshidi Association of renin–angiotensin–aldosterone system gene polymorphisms with left ventricular hypertrophy in patients with heart failure with preserved ejection fraction: A case–control study. *Clinical and Experimental Hypertension*. 2017; 39 (4), 371-376
19. Hasti Nouraei, **Negar Firouzabadi***, Ali Mandegary, Kamiar Zomorrodian, Ehsan Bahramali, Mohammad Reza Hooshangi Shayesteh, Saham Ansari. Glucocorticoid receptor genetic variants and response to fluoxetine in major depressive disorder. *The Journal of neuropsychiatry and clinical neurosciences*. 2017; 30, 45-50.
20. **Negar Firouzabadi**, Roshanak Raeesi, Kamiar Zomorrodian, Ehsan Bahramali, Ilnaz Yavarian. Beta Adrenoceptor Polymorphism and Clinical Response to Sertraline in Major Depressive Patients. *J Pharm Pharm Sci*. 2017; 20, 1-7
21. Ehsan Bahramali, **Negar Firouzabadi**, Mona Rajabi, Alireza Manafi, Mehrdad Zarghami, Seyyed Mohammad Mousavi, Javad Jamshidi. Association of renin angiotensin aldosterone system gene polymorphisms with left ventricular hypertrophy in patients with heart failure with preserved ejection fraction; a case-control study. *Clinical and Experimental Hypertension*. (2017). *Clin Exp Hypertens In press*
22. Ehsan Bahramali, **Negar Firouzabadi***, Ilnaz Yavarian, Mohammad Reza Hooshangi Shayesteh, Nasrallah Erfani, Ali Alavi Shoushtari, Roja Asadpour. (2016). Influence of ACE gene on differential response to sertraline versus fluoxetine in patients with major depression: a randomized controlled trial. *Euro J Clin Pharmacol*. 72:1059–1064.

23. **Negar Firouzabadi***, Nima Ghazanfari, Ali Alavi Shoushtari, Nasrallah Erfani, Farshid Fathi, Mozhdeh Bazrafkan, Ehsan Bahramali. (2016). PLoS ONE 11(4): e0153667
24. Bahramali E, Rajabi M, Jamshidi J, Mousavi SM, Zarghami M, Manafi A, **Firouzabadi N** (2016). Association of ACE gene D polymorphism with left ventricular hypertrophy in patients with diastolic heart failure: a case-control study. *BMJ Open*. 9;6(2):e010282. doi: 10.1136
25. Asma Najibi, Reza Heidari, Jafar Zarifi, Akram Jamshidzadeh, **Negar Firouzabadi**, Hossein Niknahad (2016). Evaluating the Role of Drug Metabolism and Reactive Intermediates in Trazodone-Induced Cytotoxicity toward Freshly-Isolated Rat Hepatocytes. *66* (11), 592-596
26. **N Firouzabadi***, MRH Shayesteh, N Erfani, AA Shoushtari (2016). Genetic variation in ACE A2350G: association with reduction in fasting blood glucose after fluoxetine therapy in depressed patients. *TiPS* 2 (4), 277-284
27. **Negar Firouzabadi***, Mohammad Reza Hooshangi Shayesteh, Nasrollah Erfani, Ali AlaviShoushtari, Ehsan Bahramali (2015). ACE genetic variability and response to fluoxetine: lack of association in depressed patients. *TiPS* 1 (4), 199-206
28. Bahramali E, **Firouzabadi N**, Jonaidi-Jafari N, Shafiei M (2014). Renin-angiotensin system genetic polymorphisms: Lack of association with CRP levels in patients with coronary artery disease. *J Renin Angiotensin Aldosterone Syst*. 15(4):559-65.
29. **Firouzabadi N**, Tajik N, Bahramali E, Bakhshandeh H, Maadani M, Shafiei M. (2013). Gender specificity of a genetic variant of angiotensin-converting enzyme and risk of coronary artery disease. *Mol Biol Rep*. 40 (8): 4959-65.

30. **Firouzabadi N**, Shafiei M, Bahramali E, Ebrahimi SA, Bakhshandeh H, Tajik N (2012). Association of angiotensin-converting enzyme (ACE) gene polymorphism with elevated serum ACE activity and major depression in an Iranian population. *Psychiatry Res.* 200 (2-3):336-342.
31. **Firouzabadi N**, Tajik N, Bahramali E, Bakhshandeh H, Ebrahimi SA, Maadani M, Rasoulilian M, Mobasheri T, Shafiei M (2012). Association of angiotensin-converting enzyme polymorphism with coronary artery disease in Iranian patients with unipolar depression. *Clin Biochem.* 45(16-17):1347-52.
32. **Firouzabadi N**, Tajik N, Shafiei M, Ebrahimi SA, Bakhshandeh H (2011). Interaction of A-240T and A2350G related genotypes of angiotensin-converting enzyme (ACE) is associated with decreased serum ACE activity and blood pressure in a healthy Iranian population. *Eur J Pharmacol.* 668 (1-2): 241-247.
33. Borhani Haghighi A, Malekhoseini SA, Bahramali E, **Firouzabadi N**, Salahi H, Bahador A, Roozbeh J, Firuzi MS, Lankarani KB, Nikseresht AR, Ashkani H, Janghorban P (2005). Neurological complications of first 100 orthotopic liver transplantation patients in southern Iran. *Transplant Proc.* 37 (7): 3197-3199.

11. **TECHNICAL EXPERTIES:**

Cell culture, cell counting, cytotoxicity testing, ELISA, UV spectrophotometry, DNA extraction (blood, buccal), PCR, PCR-RFLP, Real-time PCR, gel electrophoresis, Flow cytometry, HPLC analysis and immunoturbidometry, *in vivo* animal studies, organ perfusion method, cytotoxicity testing, tissue preparation.

➤ **TEACHING EXPERIENCES**

Supervision of twenty six Pharm D theses (Shiraz University of Medical sciences)

Supervision of a PhD thesis (Shiraz University of Medical sciences)

Supervision of three MS thesis (Shiraz University of Medical sciences)

Advisor of an MS thesis (Iran University of Medical Science)

Advisor of a PhD thesis (Iran University of Medical Science)

Advisor of a PhD thesis (Shiraz University of Medical Science)

Graduate student mentor to five undergraduate students (Iran University of Medical Science)

- Teaching courses of advanced pharmacology for PhD students of Toxicology
- Teaching courses of advanced pharmacology for PhD students of Medicinal Chemistry
- Teaching courses of advanced pharmacology for PhD students of Biotechnology
- Teaching courses of advanced pharmacology for PhD students of Clinical Pharmacy
- Teaching courses of advanced cellular & molecular biology for PhD students of nano technology
- Teaching courses of advanced nano toxicology for PhD students of nano technology
- Teaching courses of basic pharmacology for Pharm D students
- Teaching courses of Scientific terminology in pharmacy for Pharm D students
- Teaching courses of basic pharmacology for BS students of Speech Therapy
- Teaching courses of basic pharmacology for BS students of Medical Management

➤ **SKILLS and INTERESTS**

* **Art:**

Certification of excellence in calligraphy from ‘‘Anjoman–E-Khoshnevisan–E-Iran’’

* **Exercise:**

Silver medal winner in National Basketball Olympiad 1996

Gold medal winner in National Students Basketball Olympiad 2002

Interests include: reading books & magazines sports, enjoying traditional & classic music, baking, cooking & travelling.