



## CURRICULUM VITAE

# TAHEREH FIRUZYAR

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### Personal information

Academic Rank: Ph.D. graduated of **radiopharmacy**  
Address: Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran  
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[t-firuzyar@alumnus.tums.ac.ir](mailto:t-firuzyar@alumnus.tums.ac.ir)  
Birth Date: august, 27, 1986  
Sex: female  
Birth Place: Karaj, Tehran  
Marital Status: single

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### Education

- Ph.D.**
- 2011-2015 Tehran University of Medical Science Tehran, Iran  
Ph.D In Radiopharmacy, Thesis Title: " Synthesis, radiolabeling, quality control and biological evaluation of radiolabeled amlodipines derivatives with cyclotron-based radiometals for calcium channels imaging"
- M.Sc.**
- 2008-2010 Tarbiat Modares University Tehran, Iran  
M.Sc. In Organic Chemistry, Thesis Title: " Synthesis and Characterization of Highly Substituted Pyrazoles and New Heterocyclic Compounds *via* Trisubstituted Vinylphosphonates Intermediates and Other Electron Deficient Compound"
- B.Sc.**
- 2004-2008 Imam Khomeini International University Qazvin, Iran  
B.Sc. In Pure Chemistry
- High School Diploma**
- 2000-2004 Sadr High School Karaj, Iran  
Diploma In Natural Sciences
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## Awards & honors

- Highest GPA in current Bachelor students of pure chemistry of IKIU
- Ranked 7<sup>th</sup> in 13<sup>th</sup> National Science Olympiad for university student , 2008
- Ranked first in board examination of radiopharmacy, 2014

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## Certificate

- Molecular docking workshop. April, 20-30, 2014
- Linux for Biologists workshop. May, 1, 2014
- How to conduct clinical trials of radiopharmaceuticals workshop. November, 21, 2012
- Referee of 19<sup>th</sup> pharmacy students seminar, October 6, 2015

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## Computer skills

Microsoft Office, Photoshop, Internet, Autodock, Hyprchem, ACD Lab, Chemoffice, Windows, linux

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## Experiences

- 1- HPLC, UV/Visible, IR, organic chemistry
- 2- Radio TLC, radio HPLC
- 3- Radio labeling of some pharmaceuticals with radiometals like <sup>99m</sup>Tc, <sup>67</sup>Ga, <sup>111</sup>In and <sup>68</sup>Ga
- 4- Conjugation of biomolecule with bifunctional chelators
- 5- Radiolabeling and quality control of <sup>99m</sup>Tc kits
- 6- Acquaintance with quality control procedures of radiopharmaceuticals that mention in pharmacopeia
- 7- Acquaintance with quality control procedures of PET radiopharmaceuticals

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## Publications & Congress

### ➤ Papers:

1. **Tahereh Firouzyar**, Amir R. Jalilian, Mehdi Shafiee-Ardestani, Mohammad R. Aboudzadeh, Yousef Fazaeli, Fatemeh Bolourinovin, Mohammad Mirzaii, Ali Khalaj."Development of an <sup>111</sup>In-labeled dihydropyridine complex for L-type calcium channel imaging" *J Radioanal Nucl Chem*, **2015**, 303, 2361–2369.
2. Yousef Fazaeli, Amir R. Jalilian, Fatemeh Rezaee, **Tahereh Firouzyar**, Sedigheh Moradkhani, Azar Bagheri, Abbas Majdabadi "Development of radiolabeled radachlorin complex as a possible tumor targeting agent" *J Radioanal Nucl Chem*, **2015**, 303,1695–1701.

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3. **Tahereh Firouzyar**, Amir R. Jalilian, Yousef Fazaeli, Mehdi Shafiee-Ardestani, Mohammad R. Aboudzadeh, Ali Khalaj "Preparation and preliminary biological evaluation of radiogallium-labeled DTPA-amlodipine complex for possible L-type calcium channel imaging" *Radiochimica Acta*, **2014**, 102, 1127–1135.
  4. Abdolali Alizadeh, **Tahereh Firouzyar**, Azadeh Mikaeili. "Synthesis of Polyfunctionalized 1,4-Dihydropyridine-Fused-1,3-Diazaheterocycles: One-Pot Reaction of 1,1-Bis(methylthio)-2-nitroethylene, 1,n-Diamine, Arylaldehyde, and Malononitrile" *J. Heterocyclic Chem*, **2013**, 50, 676-679.
  5. Abdolali Alizadeh, Azadeh Mikaeili, **Tahereh Firouzyar**. "One-Pot, Pseudo Five-Component Synthesis of Spirooxindole Derivatives Containing Fused 1,4-Dihydropyridines in Water" *Synthesis*, **2012**, 9, 1380-1384.
  6. Abdolali Alizadeh, Azadeh Mikaeili, **Tahereh Firouzyar**, Mahdi Ahmadi. "Synthesis of 2-Oxopyridine-Fused 1,3-Diazaheterocyclic Compounds via a Three-Component Reaction" *Helvetica Chimica Acta*, **2011**, 94, 1343-1346.
  7. Abdolali Alizadeh, **Tahereh Firouzyar**, Azadeh Mikaeili. "Efficient One-Pot Synthesis of Spirooxindole Derivatives Containing 1,4-Dihydropyridine-Fused-1,3-Diazaheterocycle Fragments via Four-Component Reaction" *Synthesis*, **2010**, 22, 3913-3917.
  8. Abdolali Alizadeh, **Tahereh Firouzyar**, Log-Guan Zhu. "Synthesis of dialkyl 5-(aryl)-1-phenyl-1H-prazole-3,4-dicarboxylate via a one-pot and four-component reaction" *Tetrahedron*, **2010**, 66, 9835-9839

**And two papers about  $^{99m}\text{Tc}$  and  $^{68}\text{Ga}$  that are submitted and they are under revision.**

**➤ Presentation in international congress:**

1. Amir R. Jalilian, **Tahereh Firouzyar**, Yousef Fazaeli, Mehdi Shafiee-Ardestani, Mohammad R. Aboudzadeh, Ali Khalaj. "Preparation and preliminary biological evaluation of radiogallium-labeled DTPA-amlodipine complex for possible calcium channel imaging" Annual Congress of the European Association of nuclear medicine, October 18-22, **2014**, Gothenburg, Sweden.
2. Abdolali Alizadeh, **Tahereh Firouzyar**, Azadeh Mikaeili. "One-Pot Synthesis of Dihydropyridine-Fused-1,3-Diazaheterocycle *via* Four-Component Reaction" Third International Symposium on Organic Chemistry with satellite meeting on NMR in Life Sciences, October 30- November 2, **2010**, Sofia, Bulgaria.

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➤ **Presentation in national congress:**

1. **Tahereh Firouzyar**, Amir R. Jalilian, Ali Khalaj, Mohammad R. Aboudzadeh, Mehdi Shafiee-Ardestani, Yousef Fazaeli, Fatemeh Bolourinovin. "Development of a  $^{67}\text{Ga}$ -labeled DTPA-amlodipine complex for L-type calcium channel imaging" 18<sup>th</sup> Iranian Congress of Nuclear Medicine (ICNM2014), 12-14 November, **2014**, Tehran, Iran (poster presentation).
2. **Tahereh Firouzyar**, Amir R. Jalilian, Ali Khalaj, Mohammad R. Aboudzadeh, Mehdi Shafiee-Ardestani, Yousef Fazaeli, Fatemeh Bolourinovin. "Preparation and biological evaluation of  $^{111}\text{In}$ -labeled DTPA-dihydropyridine complex for L-type calcium channel imaging" 18<sup>th</sup> Iranian Congress of Nuclear Medicine (ICNM2014), 12-14 November, **2014**, Tehran, Iran (oral presentation).
3. Abdolali Alizadeh, **Tahereh Firouzyar**, Azadeh Mikaeili, Atieh Rezvanian, Javad Mokhtari Aliabad, Nasrin Zohreh. "Diastereoselective Synthesis of  $\beta$ -Phosphonato Unsaturated Thioimidates" 17<sup>th</sup> Iranian Seminar of Organic Chemistry, 13-15 October, **2010**, Babolsar, Iran.