

## Curriculum Vitae

# Masoud Tahmasian



### General information:

**Date of birth:** October 30, 1981  
**Nationality:** Iranian  
**Academic position:** Assistant Professor  
**Address:** Institute of Medical Science and  
Technology, Shahid Beheshti University,  
Tehran, Iran

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### Educations:

- Post-doctoral fellowship, Department of Neurology, University Hospital of Cologne, Germany, May 2014- January 2016.
- Doctor of Philosophy (Ph.D.), Neuroimaging Research Group, Klinikum Rechts der Isar, Technische Universität München, Munich, Germany, April 2011- September 2014.
- NMR (ME-MRI) internship, Neuroimaging Research Group, Max Planck Institute of Psychiatry, Munich, Germany, May 2010 – Oct 2010.
- Medical Doctorate (MD), School of Medicine, Kermanshah University of Medical Science, Iran, 1999 - 2006.
- High School Diploma, NODET (National Organization for Development of Exceptional Talents), Kermanshah, Iran, 1995 - 1999.

### Thesis

- **PhD:** Multimodal neuroimaging on neurodegenerative disorders using the hybrid PET/MRI technique, Technische Universität München, Munich, Germany, September 2014.
- **MD:** The Effect of Morphine Dependency on Spatial Learning and Memory in Male Rat, School of Medicine, Kermanshah University of Medical Science, Iran, September 2006.

### **Professional memberships:**

- Assistant Professor, Shahid Beheshti University, Tehran, Iran, September 2016-present.
- Clinical-Research group 219, Department of Neurology, University Hospital of Cologne, Germany, May 2014- present.
- TUM-Neuroimaging center (TUM-NIC), Klinikum Rechts der Isar, Technische Universität München, Munich, Germany, December 2010-September 2014.
- Sleep Disorders Research Center, Department of Psychiatry, Kermanshah University of Medical Science, 2006- present.
- Neuroimaging Research Group, Max Planck Institute of Psychiatry, Munich, Germany, May 2010 – Oct 2010.
- General Physician (MD), Emergency ward, Imam Hussein Hospital, Imam Reza Hospital and Bisotun Hospital, Kermanshah, April 2007- April 2010.
- Founder of Neuroscience Research Group, Students Research Committee, Kermanshah University of Medical Science, October 2002- October 2006.
- Chair of Students Research Committee, Kermanshah University of Medical Science, October 2004- October 2006.

### **Scientific membership:**

- Assistant Professor, Institute of Medical Science and Technology, Shadid Beheshti University 2016 – present.
- Society for Neuroscience, May 2013- present.
- Organization of Human Brain Mapping, January 2014-present.
- Medical Council, Islamic Republic of Iran. 2006-present.

### **Editorial activities**

- Journal of Psychology and Psychotherapy Research
- SM Journal of Sleep Disorders
- Journal of Imaging Science

### **Reviewing activities**

- Neurobiology of Aging
- European Journal of Nuclear Medicine and Molecular Imaging
- Journal of Affective disorders
- Psychiatry Research: Neuroimaging
- Neuroscience letters
- International Journal of Neuroscience

### **Honors and Awards:**

- Awards for the highlight presentation, Deutschen Gesellschaft für Nuklearmedizin, Hannover, 22-25 April 2015.
- Awards as the "Research Grant for doctoral candidate and young academics and scientists" by German Academic Exchange Service (DAAD), April 2011- April 2014.
- Awards as the best annual researcher of Kermanshah University of Medical Science (KUMS), 2013.
- Awards as the 7th young researcher in the 7<sup>th</sup> Razi medical festival, Iran, January 2012.
- Awards as the best young researcher in the 17<sup>th</sup> Iranian Congress of Physiology & Pharmacology, Kerman, October 2005.
- Awards as the third poster presentation in the 5<sup>th</sup> Iranian Annual Research Congress of Medical Students, Mashhad, October 2004.
- Awards as the best annual researcher of Kermanshah University of Medical Science (KUMS), 2004.

### **Research Interests:**

- Multimodal functional neuroimaging (PET/MRI)
- Meta-analysis
- Neurodegenerative diseases (Dementia & Alzheimer disease, Parkinson's disease)
- Major depressive disorder
- Sleep medicine

### **Teaching experiences:**

- "*Resting-state fMRI analysis*" workshop, 3rd Iranian Human Brain Mapping Congress, Tehran, September 2016.
- "*fMRI analysis*" workshop, Shahid Beheshti University, Tehran, Iran, April-June 2016.
- "*Resting-state fMRI analysis*" workshop, 2<sup>nd</sup> Iranian Human Brain mapping congress, Tehran, November 2015.
- "*Hippocampus disconnection hypothesis in Alzheimer's disease*" lecture, Cognitive school, Institute for Research in Fundamental Sciences (IPM), Tehran, March 2015.

- "English paper writing" workshop for faculty members, Kermanshah University of Medical Science, Kermanshah, September 2014.
- "Brain connectivity" lecture, Shaheed Beheshti University of Medical Science, Tehran, December 2013.
- "English paper writing" workshop, Kermanshah University of Medical Science, Kermanshah, September 2012.
- Seven workshops entitled "Medical research methods", Kermanshah University of Medical Science, Kermanshah, 2003-2006.
- Four workshops entitled "How to search in medical science resources?", Kermanshah University of Medical Science, Kermanshah, December 2005, July 2005, November 2006, November 2007.
- "Paper writing" workshop, Kermanshah University of Medical Science, Kermanshah, February 2006.

#### **Books chapters (translation):**

Sleep [Basic sciences & disorders] from Sadock BJ, Sadock VA. Comprehensive textbook of psychiatry. Williams & Wilkins. Philadelphia, 2006; Translated to Persian by: Khazaie H, Tahmasian M, Kermanshah University of Medical Science, 2006.

#### **Publications:**

##### **A) Articles (published):**

1. Maier F, Williamson KL, Tahmasian M, Rochhausen L, Ellereit AL, Prigatano GP, Kracht L, Tang CC, Herz DM, Fink GR, Timmermann L, Eggers C. Behavioural and neuroimaging correlates of impaired self-awareness of hypo- and hyperkinesia in Parkinson's disease. *Cortex*. 2016 Jun 8;82:35-47.
2. Tahmasian M, Rosenzweig I, Eickhoff SB, Sepehry AA, Laird AR, Fox PT, Morrell MJ, Khazaie H, Eickhoff CR. Structural and functional neural adaptations in obstructive sleep apnea: an activation likelihood estimation meta-analysis. *Neuroscience and Biobehavioural Reviews*, 2016 Jun;65:142-56.
3. Emamian F, Khazaie H, Tahmasian M, Leschziner GD, Morrell MJ, Hsiung GY, Rosenzweig I, Sepehry AA. Obstructive Sleep Apnea in Alzheimer's disease: a Meta-analysis perspective. *Frontiers in Aging Neuroscience*, 2016 March.
4. Pasquini L, Scherr M, Tamashian M, Myers N, Ortner M, Kurz A, Förstl H, Zimmer C, Grimmer T, Akhrif A, Wohlschläger A.M, Riedl V, Sorg C.

Increased ongoing activity of medial-temporal lobe subregions is associated with decreased cortical thickness of medial-parietal areas in patients with Alzheimer's disease dementia. *Journal of Alzheimer's Disease*. 2016 January.

5. Tahmasian M, Shao J, Meng C, Grimemr T, Diehl-Schmid J, Förster S, Riedl V, Schwaiger M, Drzezga A, Sorg C. Separation of distinct neurodegenerative diseases based on network degeneration hypothesis: a preliminary PET/MRI study, *Journal of Nuclear Medicine*. 2016 February.
6. Khaledi-Paveh B, Khazaei H, Nasouri M, Ghadami MR, Tahmasian M. Evaluation of Berlin Questionnaire Validity for Sleep Apnea Risk in Sleep Clinic Populations, *Basic and Clinical Neuroscience*, 2016, 7(1): 43-48.
7. Khazaei H, Najafi F, Ghadami MR, Azami A, Nasouri M, Tahmasian M. Khaledi-Paveh B, Sleep Disorders in Methadone Maintenance Treatment Volunteers and Opium-dependent Patients, *Addiction & Health*. 2016 Apr; 8(2): 84–89.
8. Tahmasian M, Rochhausen L, Maier F, Williamson K, Drzezga A, Timmermann L, van Eimeren T, Eggers C. Impulsivity is associated with increased metabolism in the fronto-insular network in Parkinson's disease, *Frontiers in Behavioral Neuroscience*, 2015 November.
9. Tahmasian M, Bettray LM, van Eimeren T, Drzezga A, Timmermann L, Eickhoff CR, Eickhoff SB, Eggers C. Applications of resting-state fMRI in Parkinson's disease: Dose dopamine replacement therapy play a role?, *Cortex*, 2015 December 73:80-105.
10. Tahmasian M, Pasquini L, Scherr M, Meng C, Förster S, Bratec SM, Shi K, Yakushev I, Schwaiger M, Grimemr T, Diehl-Schmid J, Riedl V, Sorg C, Drzezga A. The lower hippocampus global connectivity the higher its local metabolism in Alzheimer's disease, *Neurology*, 2015 May 12;84(19):1956-63.
11. Tahmasian M, Eggers C, Riedl V, Sorg C, Drzezga A. Utilization of hybrid PET/MR in neuroimaging, *Basic and Clinical Neuroscience*, 2015; 6 (3):143-146.
12. Klupp E, Grimmer T, Tahmasian M, Sorg C, Yakushev I, Yousefi B, Drzezga A, Förster S. Prefrontal hypometabolism in AD is related to longitudinal amyloid accumulation in remote brain regions, *Journal of Nuclear medicine*, 2015 Feb 12.
13. Pasquini L, Scherr M, Tamashian M, Meng C, Myers N, Ortner M, Mühlau M, Kurz A, Förstl H, Zimmer C, Grimmer T, Wohlschläger A.M, Riedl V, Sorg C. Selectively and progressively increased BOLD synchrony within the hippocampus in Alzheimer's disease, *Alzheimer and Dementia*, 2015 May;11(5):475-84.

14. Klupp E, Förster S, Grimmer T, Tahmasian M, Sorg C, Yousefi B, Drzezga A. In Alzheimer's disease, hypometabolism in low-amyloid brain regions may be a functional consequence of pathologies in connected brain regions, *Brain Connectivity*, 2014 Jun;4(5):371-383.
15. Riedl V, Bienkowska K, Strobel C, Tahmasian M, Grimmer T, Förster S, Friston K.J, Sorg C, Drzezga A. Local activity determines functional connectivity in the resting human brain, *Journal of Neuroscience*, 2014 Apr 30;34(18):6260-6266.
16. Manoliu A, Meng C, Brandl F, Doll A, Tahmasian M, Zimmer C, Förstl H, Bäuml J, Wohlschläger A, Riedl V, Sorg C. Insular dysfunction within salience network is associated with severity of symptoms and aberrant inter-network connectivity in major depressive disorder severity of symptoms in depression, *Frontier of Human Neuroscience*, 2014 Jan 21;7:930. doi: 10.3389/fnhum.2013.00930. eCollection 2013.
17. Meng C, Brandl F, Tahmasian M, Shao J, Manoliu A, Scherr M, Schwerthöffer D, Bäuml J, Förstl H, Zimmer C, Wohlschläger A.M, Riedl V, Sorg C. Aberrant putamen intrinsic network topology links with the number of episodes in major depression, *Brain*, 2013 Oct 26. doi: 10.1093/brain/awt290.
18. Tahmasian M, Knight D.C, Manoliu A, Schwerthöffer D, Meng C, Shao J, Peters H, Doll A, Khazaie H, Mueller M, Drzezga A, Bäuml J, Zimmer C, Förstl H, Wohlschläger AM, Riedl V, Sorg C. Aberrant intrinsic connectivity of hippocampus and amygdala overlap in the fronto-insular and dorsomedial-prefrontal cortex in major depressive disorder. *Frontier of Human Neuroscience*, 2013 01 October. doi:10.3389/fnhum.2013.00639.
19. Khazaei H, Heidarpour A, Nikray R, Rezaei M, Maroufi A, Moradi B, Ghadami MR, Malek-Khosravi S, Tahmasian M. Evaluation of sleep problems in preeclamptic, healthy pregnant and non-pregnant women in Kermanshah, Iran. *Iranian Journal of Psychiatry*, 2013; 8:4: 168-171.
20. Khazaie H, Ghadami MR, Knight DC, Emamian F, Tahmasian M. Insomnia treatment in the third trimester of pregnancy reduces postpartum depression symptoms: A randomized clinical trial. *Psychiatry Research*. 2013 Aug 29. doi:pii: S0165-1781(13)00477-0. 10.1016/j.psychres.2013.08.017.
21. Tahmasian M, Khazaie H, Golshani S, Avis KT. Clinical application of actigraphy in psychotic disorders: A systematic review, *Current Psychiatry Reports*. 2013 Jun;15(6):359. doi: 10.1007/s11920-013-0359-2.
22. Khazaie H, Saidi MR, Sepehry AA, Samadzadeh S, Ahmadi A, Parvizi AA, Najafi F, Tahmasian M. Abnormal ECG patterns in chronic post-war PTSD patients: A pilot case-control examination, *International Journal of Behavioral Medicine*, 2013 Mar;20(1):1-6.

23. Khazaie H, Tahmasian M, Yonessi G, Schwebel DC, Rezaei M, Rezaei L, Mohamadi M, Ghanbari A, Comparison of dream content in schizophrenic patients, non-schizophrenic mental patients, first degree relatives of schizophrenic patients and community control. *Iranian Journal of Psychiatry*, 2012; 7:26-30.
24. Khazaie H, Najafi F, Rezaie L, Tahmasian M, Sepehry AA, Herth FJ. Prevalence of symptoms and risk of obstructive sleep apnea (OSA) syndrome in general population, *Archives of Iranian Medicine*, 2011 Sep;14(5):335-8.
25. Khazaie H, Moradi MR, Tahmasian M, Rezaei M, Dabiri S, Nikray R, Rezaei L, Younessi G, Schwebel DC. An innovative new method to diagnose enuresis objectively. *Neurosciences*, 2011; 16(3):287-9.
26. Khazaie H, Rahimi M, Tatari F, Rezaei M, Najafi F, Tahmasian M. Treatment of Depression in Type 2 Diabetes with Fluoxetine or Citalopram? (A Randomized Controlled Trial), *Neurosciences*, 2011; 16 (1): 42-45.
27. Tahmasian M, Khazaie H, Sepehry AA, Russo, MB. Ambulatory Monitoring of Sleep Disorders [Review article], *Journal of Pakistan Medical Association (JPMA)*, 2010; 60(6) 480-487.
28. Khazaie H, Rezaei L, Tahmasian M, Schwebel DC. Insomnia Treatment by Olanzapine: Is Sleep State Misperception A Psychotic Disorder. *Neurosciences*, 2010; 15 (2):160-162.
29. Khazaie H, Tahmasian M, Ghadami MR, Ekhtiari H, Safaei H, Samadzadeh S, Schwebel DC, Russo MB. The effects of chronic partial sleep deprivation on cognitive functions of medical residents. *Iranian Journal of Psychiatry*, 2010, 5(2): 74-77.
30. Emami Aleagha M, Montaseri A, Tahmasian M, Shobiri E, Shariat Torbaghan S. Intracranial Hemangiopericytoma compatible to synovial sarcoma [A Case Report], *Journal of Pakistan Medical Association (JPMA)*, 2010, 60(7):586-8.
31. Khazaie H, Rezaei M, Ghadami MR, Tahmasian M, Ghasemi Mobarra A, Shiri E. Relationship between religious values and anxiety among Kermanshah University of Medical Sciences students. *Behbood*, 2010, 14(1): 66-72.
32. Khazaie H, Tahmasian M, Ekhtiari H, Safaei H, Ganjgahi H, Ghadami MR. Effects of Ramadan fasting on Time Perception Task. *Neurosciences*, 2009; 14 (2):196-197.
33. Khazaie H, Moradi M, Tahmasian M, Ahmadi A. Treatment of Recurrent Priapism with Fluoxetine and Low dose Perphenazine, *Journal of Pakistan Medical Association (JPMA)*, 2008; 58(3): 142-143.

34. Pourmotabbed A, Mehrabi Nasab E, Soraya F, Moradi S, Haghhighizad H, Tahmassian, M. The Effect of Morphine Dependency on Spatial Learning and Memory in Male Rat, *Journal of Iran University of Medical Sciences*, 2008; 15(58):81-90 [Persian].
35. Omrani A, Ghadami MR, Fathi N, Tahmasian M, Fathollahi Y, Tohidi A. Naloxone improves impairment of spatial performance induced by pentylenetetrazol kindling in rats, *Neuroscience* , 2007; 145: 824-831.
36. Pourmotabbed A, Tahmasian M, Shahi. M, Karamidarabkhani H, Fathollahi Y. Facilitating effects of morphine dependence on spatial learning and memory in rat, *DARU*, 2007; 15(3):156-161.
37. Khazaie H, Tahmasian M, Khoshbakht M, Sepehry AA. Serum Lipid Concentrations in Iranian Veterans with Combat – related Chronic Posttraumatic Stress Disorder, *Iranian Journal of Psychiatry and Behavioral Sciences*, 2007; 2(1): 22-26.
38. Pourmotabbed A, Tahmasian M, Shahi. M, Karami darabkhani H, Fathollahi Y. Effects of morphine dependence on spatial learning and memory in rat, *Physiology and Pharmacology Journal*, 2005; 9(2): 127-137 [Persian].
39. Shahriariahmadi A, Tahmasian M. A Survey of 121 patients with Idiopathic Thrombocytopenic Purpura, *International Journal of Hematology-Oncology and Stem Cell Research*, 2005; 2(2): 1-4.
40. Shahriari Ahmadi A, Tahmasian M, Izadi B. Vertebra Plana Caused by Malignant Lymphoma (A case report), *International Journal of Hematology-Oncology and Stem Cell Research*, 2004;1(2): 25-28.

**B) Articles (under review):**

1. Tahmasian M, Eickhoff SB, Giehl K, Schwartz F, Herz DM, Drzezga A, van Eimeren T, Laird AR, Fox PT, Zarei M, Eggers C, Eickhoff CR. Resting-state functional maladaptation in Parkinson’s disease: an activation likelihood estimation meta-analysis. 2016 [under review].
2. Khazaie H, Noori K, Emamian F, Zarei M, Eickhoff CR, Eickhoff SB, Spiegelhalder K, Morrell MJ, Tahmasian M, Rosenzweig I. How resting-state fMRI helps to understand the neural substrates of sleep disorders? A systematic review. 2016 [under review].
3. Shao J, Meng C, Tahmasian M, Yang Q, Yao D, Luo C, Bratec SM, Manoliu A, Doll A, Scherr M, Schwerthöffer D, Wöller A, Bäuml J, Förstl H, Zimmer C, Riedl V, Wohlschläger A, Sorg C. Common and distinct changes of default mode and salience network in three neuropsychiatric disorders. 2016 [under review].



4. Tahmasian M, Jamalabadi H, Abedini M, Ghadami MR, Sepehry AA, Knight DC, Khazaie H. Differentiation of veteran patients with chronic Post Traumatic Stress Disorder from healthy subjects based on objective and subjective sleep-related parameters. 2016 [under review].
5. Khazaie H, AlaviMehri H, Younesi G, Soleimani A, Mozafari H, Samea F, Sepehry AA, Tahmasian M. Risk of Obstructive Sleep Apnea in Chronic Treatment-Resistant Depression. 2016 [under review].

### **Presentations:**

1. Tahmasian M, Multimodal neuroimaging on neurodegenerative disorders using the hybrid PET/MRI, *2<sup>nd</sup> Iranian Human Brain mapping congress*, Tehran, November 2015.
2. Tahmasian M, Rochhausen L, Maier F, Williamson K, Drzezga A, Timmermann L, van Eimeren T, Eggers C. Impulsivity is associated with increased metabolism of the fronto-insular network in Parkinson's disease, *SfN Annual meeting*, Chicago, USA, 17-21 October 2015.
3. Schwartz F, Tahmasian M, Williamson K, Rochhausen L, Maier F, Timmermann L, Drzezga A, van Eimeren T, Eggers C. Overlapping neural correlates of impulsivity and hypomania in Parkinson's disease *SfN Annual meeting*, Chicago, USA, 17-21 October 2015.
4. Tahmasian M, Rochhausen L, Maier F, Williamson K, Drzezga A, Timmermann L, van Eimeren T, Eggers C. Impulsivity is associated with hypermetabolism of the fronto-insular cortex in Parkinson's disease. *2nd International Symposium of the Clinical Research Group 219, Basal-Ganglia-Cortex Loops: Pathological Interactions and Therapeutic Modulation*, Cologne, Germany, 26-28 February 2015.
5. Maier F, Williamson K, Rochhausen L, Tahmasian M, Prigatano GP, Tang CC, Kracht L, Timmermann L, Fink GR, Eggers C. Impaired self-awareness of motor symptoms is associated with metabolism alterations in Parkinson's disease. *2nd International Symposium of the Clinical Research Group 219, Basal-Ganglia-Cortex Loops: Pathological Interactions and Therapeutic Modulation*, Cologne, Germany, 26-28 February 2015.
6. Tahmasian M, Meng C, Shao J, Grimmer T, Diehl-Schmid J, Förster S, Riedl V, Schwaiger M, Drzezga A, Sorg C. Separation of neurodegenerative diseases based on the network degeneration hypothesis: PET/MRI study, *Organization of human brain mapping*, Hamburg, Germany, 7-12 June 2014.
7. Pasquini L, Scherr M, Tahmasian M, Myers N, Ortner M, Kurz A, Förstl H, Zimmer C, Grimmer T, Akhrif A, Wohlschläger A.M, Riedl V, Sorg C. Increased synchrony of ongoing activity in hippocampal sub-regions is

associated with cortical thinning and impaired memory in Alzheimer's disease, *Organization of human brain mapping*, Hamburg, Germany, 7-12 June 2014.

8. Tahmasian M, Sorg C, Meng C, Grimmer T, Diehl-Schmid J, Pasquini L, Bratec S, Förster S, Yakushev I, Yousefi B, Riedl V, Schwaiger M, Drzezga A. Association between metabolic and structural changes of hippocampus and retrosplenial cortex with disruption of functional connectivity in Alzheimer's disease and mild cognitive impairment: a PET/MR study, *SfN Annual meeting*, San Diego, USA, 9-13 November 2013.
9. Riedl V, Bienkowska K, Strobel C, Tahmasian M, Grimmer T, Förster S, Friston K.J, Sorg C, Drzezga A. Simultaneous PET/MR imaging of brain metabolism and coherent intrinsic activity in the visual system. *SfN Annual meeting*, San Diego, USA, 9-13 November 2013.
10. Pasquini L, Tamashian M, Myers N, Ortner M, Mühlau M, Kurz A, Förstl H, Zimmer C, Grimmer T, Wohlschläger A.M, Riedl V, Sorg C. Selectively and progressively increased BOLD synchrony within the hippocampus in Alzheimer's disease, *SfN Annual meeting*, San Diego, USA, 9-13 November 2013.
11. Riedl V, Strobel C, Tahmasian M, Sorg C, Yakushev I, Förster S, Zimmer C, Schwaiger M, Drzezga A. Simultaneous PET/MR imaging of brain metabolism and coherent intrinsic activity in the visual system. *SNM Annual Meeting, Journal of Nuclear medicine*. Meeting abstract, 54:528, Vancouver, Canada, 8-12 June 2013.
12. Yakushev I, Strobel C, Tahmasian M, Sorg C, Förster S, Zimmer C, Schwaiger M, Drzezga A, Riedl V. Functional and metabolic resting state networks as captured with simultaneous PET/MR imaging. *SNM Annual Meeting, Journal of Nuclear medicine*. Meeting abstract, 54:527, Vancouver, Canada, 8-12 June 2013.
13. Sorg C, Tahmasian M, Knight DC, Manoliu A, Schwerthöffer D, Meng C, Shao J, Peters H, Doll A, Khazaie H, Mühlau M, Drzezga A, Bäuml J, Zimmer C, Förstl H, Wohlschläger AM, Riedl V. Correspondingly disrupted volume and intrinsic functional connectivity of hippocampus and amygdala in recurrent major depression. *ESF-FENS Conferences on the Dynamic Brain (The Neurobiology of Emotion)*, Stresa, Italy, 11 - 14 November 2012.
14. Klupp E, Förster S, Grimmer T, Tahmasian M, Hooshyar-Yousefi B, Drzezga A. In Alzheimer's disease, hypometabolism in brain regions less affected by amyloid-pathology may be a consequence of pathologies in functionally connected brain regions. *SNM Annual Meeting, Journal of Nuclear medicine*. Meeting abstract, 53: 305, Miami Beach, FL, USA, 9 - 13 June 2012.

15. Tahmasian M, Sorg C, Peters H, Meng C, Manoliu A, Doll A, Drzezga A, Knight D.C, Khazaie H, Mühlau M, Wohlschläger AM, Riedl V. Functional and structural Reorganization of amygdala and hippocampus in recurrent major depressive disorder. *PhD poster symposium*, Technische Universität München, Munich, Germany. 20 July 2011.
16. Khazaie H, Saidi MR, Sepehry AA, Samadzadeh S, Ahmadi A, Parvizi AA, Najafi F, Tahmasian M. Abnormal ECG patterns in chronic post-war PTSD patients: A pilot case-control examination, Day-hospital, day-surgery and home health care – *Improvement from technological advancements*, Italy, 15– 17 December 2011.
17. Gruenecker B, Bedenk B, Kaltwasser SF, Tahmasian M, Zappe AC, Avrabos C, Eder M, Czisch M. Manganese enhanced MRI -measuring activity and connectivity of neural networks. *Max-planck institute of psychiatry symposium*, Munich, Germany. 27-28 July 2010.
18. Khazaie H, Rezaei L, Tahmasian M, Schwebel DC. Insomnia Treatment by Olanzapine: Is Sleep State Misperception A Psychotic Disorder? *World Psychiatric Association International Congress*, Beijing, China, 1-5 September 2010.
19. Khazaie H, Rezaei M, Ghadami MR, Tahmasian M, Ghasemi Mobarra A, Shiri E. Relationship between religious values and anxiety among Kermanshah University of Medical Sciences students, *World Psychiatric Association International Congress*, Beijing, China, 1-5 September 2010.
20. Khazaie H, Moradi MR, Rezaei M, Dabiri S, Nikray R, Rezaei L, Younessi G, Schwebel DC, Tahmasian M. Efficacy of designed method for diagnosis of malingering type of enuresis: Introducing of an innovation, *World Psychiatric Association International Congress*, Beijing, China, 1-5 September 2010.
21. Khazaie H, Rahimi M, Tatari F, Rezaei M, Najafi F, Tahmasian M. Fluoxetine and Citalopram for Depression in Type 2 Diabetes (A Randomized Clinical Trial), *World Psychiatric Association International Congress*, Beijing, China, 1-5 September 2010.
22. Khazaie H, Rezaie L, Tahmasian M, Ghanbari A, Mohammadi M. Evaluating The Dream Content In Schizophrenics, Siblings Of Schizophrenic Patients, Non Schizophrenic Mentally Ill Patients, And Community Control Adolescents. *8th Annual Congress of Iranian Psychiatric Association*, Tehran, Iran, November 2008.
23. Khazaie H, Tahmasian M, Naghshbandi E. Effects of Shifts on the Risk of Motor Vehicle Crashes and Sleep Problems among Iranian Hospital Workers, *World Psychiatric Association International Congress*, Melbourne, Australia, 28 Nov- 2 Dec 2007.

24. Tahmasian M, Khazaie H, Ghadami MR, Russo M. What is Actigraphy? The role of actigraphy in the study of sleep disorders, *17<sup>th</sup> Iranian Congress of Physiology & Pharmacology*, Mashhad, Iran, 13-16 Aug 2007.
25. Pourmotabbed A, Moradi S, Soraya F, Mehrabinasab E, Tahmasian M. Effects of morphine dependence with injectional method on spatial learning and memory in rat, *7<sup>th</sup> Iranian Annual Research Congress of Medical Students*, Shaheed Beheshti University of Medical Science, Tehran, Iran, May 2006.
26. Omrani A, Ghadami MR, Fathi N, Tahmasian M, Tohidi A. consequences of pentylentetrazol kindling on spatial learning and memory, *International Cell Physiology & Engineering Meeting and 12<sup>th</sup> Young Neuroscientist Meeting*, Solvenia, 26-29 May 2005.
27. Pourmotabbed A, Tahmasian M, Shahi. M, Karamidarabkhani H. Simultaneous evaluation of morphine dependence and cold water on spatial learning and memory in rat, *5<sup>th</sup> Iranian Annual Research Congress of Medical Students*, Mashhad, Iran, October 2004.
28. Pourmotabbed A, Tahmasian M, Shahi. M, Karamidarabkhani H, Fathollahi Y. Effects of morphine dependence on spatial learning and memory. *The 17<sup>th</sup> Iranian Congress of Physiology & Pharmacology*, Kerman, Iran, October 2005.

**Special skills:**

**Computer Skills:** SPM, Endnote, Matlab, SPSS.

**Language:** Farsi (Native speaker), English (Fluent), German (Intermediate level).

**Research Skills:**

- **Human:**
  - fMRI/PET acquisition and image preprocessing
  - Seed-based analysis in fMRI/PET
  - Independent component analysis (ICA) in fMRI
  - Voxel-based morphometry (VBM)
  - Partial volume correction of PET images
  - Actigraphy acquisition and analysis for ambulatory sleep monitoring
- **Small animals:**
  - MR acquisition in mice (ME-MRI)
  - Stereotactic surgery in mice
  - Data acquisition and analysis in Morris water maze

**References:**

- Alexander Drzezga MD. Department of Nuclear Medicine, University of Cologne, Germany [*a.drzezga@uk-koeln.de*].
- Simon B. Eickhoff MD, PhD. Institute of Neuroscience and Medicine (INM-1), Research Center Jülich, Jülich, Germany [*simon.b.eickhoff@gmail.com*].
- Christian Sorg MD. Department of Neuroradiology, Technische Universität München, Munich, Germany [*c.sorg@lrz.tu-muenchen.de*].
- Carsten Eggers MD. Department of Neurology, University of Cologne, Germany [*carsten.eggers@uk-koeln.de*].
- David C. Knight PhD. Department of Psychology, University of Alabama at Birmingham, AL, USA [*knightdc@uab.edu*].
- Mojtaba Zarei MD, PhD. Shahid Beheshti University, Tehran, Iran [*mzarei@me.com*].
- Habibolah Khazaie, MD. Sleep Disorders Research Center, Department of Psychiatry, Kermanshah University of Medical Science, Kermanshah, Iran [*hakhazaie@gmail.com*].