

Fateme Samea

General information

Date of birth: October 26, 1986

Nationality: Iranian

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Educations:

- **Doctor of Philosophy (Ph.D)** in Cognitive Modeling, Institute for cognitive and brain sciences, Shahid Beheshti University, Tehran, Iran, September 2013- August 2019, Member of exceptional talents in PhD program
- **Master of Science (M.Sc)** in General Psychology, Faculty of Psychology, Shahid Beheshti University, Tehran, Iran, September 2011- August 2013, Member of exceptional talents in master program
- **Bachelor of Science (B.Sc)** in software Engineering, Faculty of Electrical and Computer Engineering, Kashan University, Kashan, Iran, September 2004- March 2009

Publications:

1. Tahmasian M, Samea F, Khazaie H, Zarei M, Kharabian Masouleh S, Hoffstaedter F, et al. The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. *Commun Biol.* 2020;3(1):171.
2. Samea F, Soluki S, Nejati V, Zarei M, Cortese S, Eickhoff SB, et al. Brain alterations in children/adolescents with ADHD revisited: A neuroimaging meta-analysis of 96 structural and functional studies. *Neurosci Biobehav Rev.* 2019;100:1-8.
3. Schwartz F, Tahmasian M, Maier F, Rochhausen L, Schnorrenberg KL, Samea F, et al. Overlapping and distinct neural metabolic patterns related to impulsivity and hypomania in Parkinson's disease. *Brain Imaging Behav.* 2019;13(1):241-54.
4. Tahmasian M, Noori K, Samea F, Zarei M, Spiegelhalder K, Eickhoff SB, et al. A lack of consistent brain alterations in insomnia disorder: An activation likelihood estimation meta-analysis. *Sleep Med Rev.* 2018;42:111-8.

5. Tahmasian M, Zarei M, Noori K, Khazaie H, Samea F, Spiegelhalder K, et al. Reply to Hua Liu, HaiCun Shi and PingLei Pan: Coordinate based meta-analyses in a medium sized literature: Considerations, limitations and road ahead. *Sleep Med Rev.* 2018;42:236-8.
6. Khazaie H, Alavi-Mehr H, Younesi G, Soleimani A, Mozafari H, Sepehry AA, Samea F, Tahmasian M. Higher risk for obstructive sleep apnea in chronic treatment-resistant depression. *Iranian Journal of Psychiatry and Behavioral Sciences.* 2018; 12(1)
7. Tahmasian M, Sepehry AA, Samea F, Khodadadifar T, Soltaninejad Z, Javaheripour N, et al. Practical recommendations to conduct a neuroimaging meta-analysis for neuropsychiatric disorders. *Hum Brain Mapp.* 2019.
8. Samea, F., et al., The Essential of Applying Nonlinear-Analysis to Validate Experiments, Assessing Superior Brain Functions: Case-Study of a Bayesian-Model of Inhibitory Control in ADHD, *International Journal of Non-linear Analysis and Application* , 2019
9. Samea, F., et al., Poor sleep, poor self-control: A meta-analysis on the association between insomnia and emotion dysregulation, *Psychological Bulletin Journal* (submitted)
10. Samea F., et al., Association of Sleep Disturbance, Cognitive Dysfunction and Functional Alteration of Intrinsic Brain Networks with Attention Deficit Hyperactivity Disorder Symptoms (under preparation)
11. Farzane-Daghigh, T, Akradi M, Zarei M, Silk T, Samea F, Tahmasian M, Classification of ADHD and healthy controls based on neural correlates of sleep quality (under preparation)
12. Olfati M, Samea F, Faghihrouhi Sh, Zarei M, Eickhoff SB, Tahmasian M, The role of sleep quality and grey matter volumes in prediction of depressive symptoms (under preparation)

Presentation:

1. Tahmasian M, Samea F, Khazaie H, Zarei M, Kharabian Masouleh S, Hoffstaedter F, et al. Shared genetic etiology between sleep duration, behavior, and cortical thickness, Organization of human brain mapping, Vancouver (Online), June 23 - July 3 2020.
2. Samea F, Soluki S, Nejati V, Zarei M, Cortese S, Eickhoff SB, Tahmasian M, Eickhoff CR. Structural and Functional Brain Alterations in ADHD: a neuroimaging metaanalysis of 86 studies, Organization of human brain mapping, Singapour, 17-21 June 2018.
3. Tahmasian M, Noori K, Samea F, Zarei M, Spiegelhalder K, Eickhoff SB, Van Someren E, Khazaie H, Eickhoff CR. Brain Alterations in Insomnia Disorder: A Neuroimaging Meta-analysis, Organization of human brain mapping, Singapour, 17-21 June 2018.

4. Samea F, Functional and structural brain alteration in ADHD: an activation likelihood estimation meta-analysis, 4th Iranian Human Brain mapping congress, Tehran, October 2017.
5. Samea F, Overlapping and distinct neural metabolic patterns related to impulsivity and hypomania in Parkinson's disease 3th Iranian Human Brain mapping congress, Tehran, September 2016

Honors and Awards:

- The best Researcher Award for Ph.D student, Shahid Beheshti University, Tehran, 2019
- The best Oral Presentation award, 4th Iranian Human Brain mapping congress, Tehran, October 2017

Experience:

Research Positions:

- Post-doctoral researcher at Institute of Medical Science And Technology (IMSAT), Shahid Beheshti University, 2019-present
- Administrator of Sleep Lab, IMSAT, Shahid Beheshti University, 2020-present
- Research assistant at IMSAT, Shahid Beheshti University, 2016-2018
- Research assistant at Institute of Cognitive and Brain Sciences, Shahid Beheshti University, 2013-2016
- Research assistant at Faculty of Psychology, Shahid Beheshti University, 2011-2013
- Researcher at Raftar Cognitive Neuroscience Research Center, 2012-2015

Scientific positions:

- Member of the Board of Directors, Iranian Association of Cognitive Sciences and Technology

Executive positions:

- Executive Director, 7th Iranian Human Brain mapping, 2020-2021
- Association Executive Director, 3th–6th Iranian Human Brain Mapping, 2016-2019

Thesis Advisor positions

- Farzaneh Daghigh T., Classification of ADHD and healthy controls based on neural correlates of sleep quality, IMSAT, Shahid Beheshti University, 2020-2022
- Sousarayee F., Comparison of the effects of sleep quality on brain functional connectivity in monozygotic and dizygotic twins, IMSAT, Shahid Beheshti University, 2020-2022

- Olfati M, The role of sleep quality and grey matter volumes in prediction of depressive symptoms, IMSAT, Shahid Beheshti University, 2019-2021
- Ahadi A, Comparison of intrinsic brain network alterations in insomnia disorder and sleep deprivation , IMSAT, Shahid Beheshti University, 2019-2021

Short Course/ workshop teaching:

- Applied Statistic in neuroimaging studies and biomedical engineering, 2019-2021
- Proposal writing workshop, 2019-2020
- Proposal and paper writing workshop, 2017-2018

Research Interest:

- Cognitive Modeling
- Computational psychiatry
- Applied machine learning in cognitive neuroscience
- Brain mapping and neuroimaging
- Neuroimaging Meta-analysis