

Parnian Rafei

Date of Birth: 05/07/1995

Email: Parnian.rafei@ut.ac.ir,

Parnianrafeirafei@gmail.com

Research Interests and Experience

- Neurocognitive underpinnings of substance use disorders and addictive behaviors
- Neuroimaging tools (task-based fMRI, structural MRI)
- Future-oriented cognition (episodic future thinking, prospective memory, planning)
- Cannabis research (medical cannabis and cannabinoids)
- Cognitive rehabilitation and interventions

Education

- 09/2017 – 09/2019** **MSc., Clinical Psychology** (*Summa cum laude*, GPA: 18.12/20.00)
Faculty of Psychology and Education, University of Tehran
Tehran, Iran
Thesis: Comparison of Episodic Future Thinking in Cannabis Users and Healthy Subjects: an fMRI Study
Supervisors: Prof Hatami, Prof Batouli, Dr Rezapour, Prof Verdejo-Garcia
- 09/2013 – 06/2017** **BA., Clinical Psychology** (GPA: 16.69/20.00)
School of Medicine, Islamic Azad University, Tehran Medical Branch
- 09/2012 – 06/2013** **Pre-University Diploma-** Humanities (GPA: 17.63/20.00)
Fatemeh Pre-University School

Professional Experience and Internships

- 02/2021 – Now** **Research Assistant**
Neurocognitive lab, Iranian National Center for Addiction Studies (INCAS), Tehran University of Medical Science, Tehran, Iran
- 01/2020 – Now** **Executive Secretary and Research Assistant**
International Society of Addiction Medicine, Neuroscience Interest Group (ISAM-NIG)
- 04/2016 – 08/2016** **Clinical Psychology Intern**
Sina Ward, Raazi Mental Hospital, Tehran, Iran
- 08/2015 – 12/2016** **English Teacher**
Kordasti English Academy, Tehran, Iran

Prize, Awards, and Honors

- 01/2020** **€ 800.00**
Travel Award, the Human Brain Project (HBP)
to present at the 4th HBP Student Conference
Pisa, Italy
- 11/2019** **€ 2000**
NIDA-ISAM fellowship grant to present at the
21st Annual meeting of International Society of Addiction
Medicine (ISAM), New Delhi, India
- 08/2019** **"EZAMA" Young investigator award in Addiction Medicine**
13th International Addiction Science Congress
Tehran, Iran
- 09/2018** **Best Poster Presentation**
12th International Addiction Science Congress
Tehran, Iran
- 09/2019** **Top 10 percent of my graduating class (Class of 2019)**
Ranked 2nd in the Master's degree graduating class, University
Of Tehran, Tehran, Iran

Professional Memberships

- International Society of Addiction Medicine (ISAM) (2019 – Present)
- International Society of Addiction Medicine Neuroscience Interest Group (ISAM-NIG) (2019 – Present)
- International Society of Addiction Medicine Global Experts Network (ISAM-GEN) (2021 – Present)
- Iranian Neuroscience Society (INSS) (2018 – Present)
- Iranian Association of Psychology (IPA) (2016 – 2020)

Neuroscientific Techniques

- fMRI task design, data acquisition and data analysis
- Structural MRI data analysis (e.g. VBM)
- Neuropsychological testing and cognitive assessments (including Wechsler Adult Intelligence Scale (WAIS), Stroop test, Balloon Analogue Risk Task (BART), Stop/Signal task, The Rey Auditory Verbal Learning Test, etc.)

Programming and Analysis Skills

- Basic knowledge of MATLAB (Psychtoolbox), Python (PsychoPy), and R
- Professional knowledge and use of SPSS
- Professional knowledge and use of FMRIB Software Library (FSL), Statistical Parametric Mapping (SPM)
- Professional knowledge and use of Microsoft Office

Administrative Experiences

- Communication officer, ISAM Global Experts Network (ISAM-GEN), July 2021 – present
- A member of volunteer organizing committee, Fundamentals of Cognitive Neuroscience Online Course 2020 (FCNS2020), August – December 2020
- Abstract reviewer, *1st National Student Cognitive Science Congress*, Guilan, Iran, November 2020
- Executive secretary, *International Society of Addiction Medicine Neuroscience Interest Group (ISAM-NIG)*, January 2020 – Present
- Research assistant, *International Society of Addiction Medicine Training and Educational committee*, November 2019 – Present
- A member of organizing committee, *Mind and Brain Fall school* at the University of Tehran, Fall 2019
- Chief operating officer of workshops committee, *Interdisciplinary Neuroscience Research Program (INRP)* at Tehran University of Medical Sciences, 2019 – Present

Publications and Preprints

H. Mohaddes Ardabili, A. Akbari, **P. Rafei**, J. Butner, R. Khan, Y. Khazaal, A. Zuhair Arab, M. Rafiq Qazizada, B. Al-Ansari, A. Mario Baldacchino (*In-press*). Tramadol, Captagon, and Khat Use in the Eastern Mediterranean Region: Opening Pandora's Box. *BJPsych International*

Rafei, P., Rezapour, T., Bickel, W. K., & Ekhtiari, H. (2021). Imagining the Future to Reshape the Past: A Path to Combine Cue Extinction and Memory Reconsolidation with Episodic Foresight for Addiction Treatment. *Frontiers in Psychiatry*, *12*, 1137. <https://doi.org/10.3389/fpsy.2021.692645> IF: 4.15

Mehrabinejad, M.-M., **Rafei, P.**, Sanjari Moghaddam, H., Sinaeifar, Z., & Aarabi, M. H. (2021). Sex Differences are Reflected in Microstructural White Matter Alterations of Musical Sophistication: A Diffusion MRI Study. *Frontiers in Neuroscience*, *15*, 622053. <https://doi.org/10.3389/fnins.2021.622053> IF: 4.67

Rafei, P., Rezapour, T., Batouli, S. A. H., Verdejo-Garcia, A., Lorenzetti, V., & Hatami, J. (2020, September 21). How Do Cannabis Users Mentally Travel in Time? Evidence from an fMRI Study of Episodic Future Thinking. <https://doi.org/10.31234/osf.io/ksvhz> (*In-press*) *Psychopharmacology* IF: 4.53

Radfar, S. R., De Jong, C. A., Farhoudian, A., Ebrahimi, M., **Rafei, P.**, Vahidi, M., ... & Twala, J. M. (2021). Reorganization of substance use treatment and harm reduction services during the COVID-19 pandemic: a global survey. <https://doi.org/10.3389/fpsy.2021.639393> *Frontiers in Psychiatry*, *12*, 349. IF: 4.15

Farhoudian, A., Radfar, S. R., Mohaddes Ardabili, H., **Rafei, P.**, Ebrahimi, M., Khojasteh Zonoozi, A., De Jong, C., Vahidi, M., Yunesian, M., Kouimtsidis, C., Arunogiri, S., Hansen, H., Brady, K. T., ISAM Global Survey Consortium (ISAM-GSC), Potenza, M. N., Baldacchino, A. M., & Ekhtiari, H. (2021). A Global Survey on Changes in the Supply, Price, and Use of Illicit Drugs and Alcohol, and Related Complications During the 2020 COVID-19 Pandemic. *Frontiers in psychiatry*, *12*, 646206. <https://doi.org/10.3389/fpsy.2021.646206> IF: 4.15

Baldacchino, A., Radfar, R., De Jong, C., **Rafei, P.**, Yunesian, M., Gerra, G., ... & Mohaddes Ardabili, H. COVID-19 and Substance Use Disorder (SUD): Study Protocol for the International Society of Addiction Medicine

(ISAM) Practice and Policy Interest Group (PPIG) Global Survey. *Basic and Clinical Neuroscience*, 187-188.
<http://dx.doi.org/10.32598/bcn.11.covid19.2545.1> IF: 1.67

Conference Presentations

Rafei, P. (2020). Introduction To ISAM-NIG: Neuroscience Interest Group of the International Society of Addiction Medicine. *9th Basic and Clinical Neuroscience Congress December 2020, (Virtual due to COVID-19)*

Rafei, P. (2020). Need and Scope of Early Career Addiction Professionals' Network. *The joint Annual meeting of International Society of Addiction Medicine (ISAM) and Canadian Society of Addiction Medicine (CSAM) November 2020, Victoria, Canada (Virtual due to COVID-19)*

Rafei, P. (2020). Episodic Future Thinking Deficit in Cannabis Users: an fMRI Study of Neurofunctional Alterations. *4th HBP Student Conference on Interdisciplinary Brain Research. 21-23 January 2020, Pisa, Italy*

Rafei, P. (2019). Different Brain Activation Patterns Underlying Episodic Future Thinking in Cannabis Use Disorder. *21st Annual meeting of International Society of Addiction Medicine (ISAM). 13-16 November 2019, New Delhi, India*

Rafei, P. (2019). Future-oriented Cognition and Addiction: Where Do We Stand? *13th International Addiction Science Congress. 21-21 August 2019, Tehran, Iran*

Rafei, P. (2019). Mental Time Travel into the Past in Cannabis Users: An fMRI study. *13th International Addiction Science Congress. 21-21 August 2019, Tehran, Iran*

Rafei, P. (2019). Blood-based Biomarkers Affecting the Aging Cognitive Functions. *7th Conference of Applied Psychological Research in Middle East. 28 February 2019, Middlesex University, Dubai, UAE*

Rafei, P. (2018). The Blood Laboratory Values Predict Cognitive Functions in Healthy Older Adults. *8th Basic & Clinical Neuroscience Congress. 12-14 December 2018, Tehran, Iran*

Rafei, P. (2018). Cognitive Impairments in Synthetic Cannabis Users: A Brief Review. *12th International Addiction Science congress. 5-7 September 2018, Tehran, Iran*

Ad-hoc Reviews

- International Journal for Equity in Health, PLOS One