


Farhad Farkhondeh Tale Navi



Assistant Professor, Department of Cognitive Neuroscience,
Faculty of Education and Psychology,
University of Tabriz, 29 Bahman Blvd., Tabriz, Iran
Email: farkhondeh_f@tabrizu.ac.ir
Phone: +98 9356149438

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Educations

Ph.D. in Cognitive Neuroscience, University of Tabriz **Sep.2016 – June.2022**

- **M.S. in Mechanical Engineering** **Sept. 2007 – Mar. 2010**
Shahid Beheshti University (SBU), Tehran, Iran



Research Interests

- Mechanisms and Functions of Theta Oscillations
- Learning, Memory, and cognitive control
- Closed-loop Neuromodulation
- Numerical Cognition
- Decision Making
- Computational Neuroscience

Attended Congress and workshops

- Attended at the Sixth International Conference of Cognitive Science (ICCS 2015) “**Gateways to Enter the Field of Cognitive Neuroscience**”, April 27-29, 2015, Tehran, Iran.
- Attended a 3-day workshop on “**Introduction of EEG Biofeedback (Neurofeedback)**” Sponsored by Farmedschool.16th –18th November 2016, Tehran, Iran.
- Attended a 2-day workshop on “**Hands on Statistics with R, Applied Methods in Cognitive Sciences**” organized by School of Cognitive Sciences at Institute for Research in Fundamental Sciences (IPM), 7th – 9th March 2017, Tehran, Iran.
- Attended a 2-day workshop on “**Rodent Electrophysiology, Imaging and Data Analysis**” organized by School of Cognitive Sciences at Institute for Research in Fundamental Sciences (IPM), 9 - 10 December 2017, Tehran, Iran.
- Attended a one-day Workshop on “**Optogenetics: Controlling the brains function with laser**” organized by Research Institute for Applied Physics and Astronomy, University of Tabriz, 11 December 2017, Tabriz, Iran.
- Attended a one-day Workshop on “**Sleep Oscillation and Memory**” that took placed at the School of Cognitive Sciences at Institute for Research in Fundamental Sciences (IPM), 30 Jan, 2018, Tehran, Iran.
- Attended a 2-day seminar on “**Brain Mapping Skills Training**” organized by National Brain Mapping Laboratory (NBML), 31Jan & 1Feb 2018, Tehran, Iran.

- Presented a lecture on “**Principles and Applications of EEG in Cognitive Neurosciences**” in the occasion of the Brain Awareness Week at the University of Guilan, 26 March 2018, Guilan, Iran.
- Participated in “**2nd Iranian Symposium on Brain Mapping Updates (ISBM2018)**” organized by National Brain Mapping Laboratory (NBML), 10th & 11th October 2018, Tehran, Iran.
- Attended a 2-day workshop on “**LFP recording in freely moving rats**” organized by Iranian Society of Physiology and Pharmacology held in the Neuroscience Research Center, Shahid Beheshti University of Medical Sciences, 4 - 5 December 2018, Tehran, Iran.
- Presented a lecture on “**Electrophysiological Experiments in Closed-Loop Paradigm**” as a member of “**Closed-loop Neurofeedback systems**” Panel in the 7th Basic & Clinical Neuroscience Congress (BCNC2018) 12-14, December 2018 Tehran, Iran.

Professional Memberships

Iranian Society for Cognitive science & Technology



Iranian Neuroscience Society



Teaching Experience

- Instructor at Information Technology Department, Faculty of Technology and Engineering, Payame Noor University (PNU) of Guilan, Iran ,2012-2020.
- Assistant Professor, Department of Cognitive Neuroscience, Faculty of Education and Psychology, University of Tabriz, 29 Bahman Blvd., Tabriz, Iran, Sep.2023 - Present

Teaching Experience

- Cognitive modeling
- Research methods in cognitive science
- Intelligent assistive technology
- Signal processing
- Cognitive disorders

Computer Skills

Data analysis and Programming: MATLAB, R, EEG Lab, GraphPad Prism.

Book translation

EEG methods for the psychological sciences, link: <https://www.gisoom.com/book/44853817/>

Collaboration in Research Projects:

- participated in the research project: *The effect of Astroglial connexin 43 on synaptic plasticity of the CA1 hippocampal neurons in the morphine-dependent rat*, project No. 96011035 registered at Iran National Science Foundation (INSF) with Dr.S. Heysieattalab (PI).
- The effect of social hierarchy on spatial working memory: the behavioral and electrophysiological indexes in olfactory bulb-ventral hippocampus–medial prefrontal cortex circuit, Elham Bakhshi, S. Heysieattalab (PI)
- Investigating the effect of social hierarchy formation on the mPFC-vHPC circuit during performing spatial working memory task, Faezeh Zarfsaz, Dr.S. Heysieattalab (PI).
- The effects of social hierarchy on inhibitory control: An ERP study, Soroush Fazel, Dr. S. Heysieattalab (PI).

Research Profiles:

<https://scholar.google.com/citations?user=t0rGS0AAAAJ&hl=en>
<https://www.researchgate.net/profile/Farhad-Farkhondeh-Tale-Navi>
<https://loop.frontiersin.org/people/2608388/editorial>
<https://www.scopus.com/authid/detail.uri?authorId=57383283300>

Polished International Journal Articles

<u>TITLE</u>	<u>YEAR</u>
<u>Closed-loop modulation of the self-regulating brain: A review on approaches, emerging paradigms, and experimental designs</u> FFT Navi, S Heysieattalab, DS Ramanathan, MR Raoufy, MA Nazari Neuroscience 483, 104-126	2022
<u>Machine learning-based classifying of risk-takers and risk-averse individuals using resting-state EEG data: A pilot feasibility study</u> R Eyvazpour, FFT Navi, E Shakeri, B Nikzad, S Heysieattalab Brain and Behavior 13 (9), e3139	2023
<u>Time distortions induced by high-arousing emotional compared to low-arousing neutral faces: an event-related potential study</u> M Hosseini Houripasand, S Sabaghypour, F Farkhondeh Tale Navi, ... Psychological Research 87 (6), 1836-1847	2023
<u>Unraveling the Social Hierarchy: Exploring Behavioral and Neural Dynamics in Shaping Inhibitory Control</u> S Fazel, AH Vahabie, FFT Navi, S Heysieattalab Behavioural Brain Research, 114686	2024

TITLE**YEAR****Do numbers make us handy? Behavioral and electrophysiological evidence for number-hand congruency effect**

2023

S Sabaghypour, HS Moghaddam, FFT Navi, MA Nazari, M Soltanlou
Acta psychologica 233, 103841

Training the brain to time: the effect of neurofeedback of SMR–Beta1 rhythm on time perception in healthy adults

2022

B Behzadifard, S Sabaghypour, F Farkhondeh Tale Navi, MA Nazari
Experimental Brain Research 240 (7), 2027-2038

Electrophysiological correlates of cognitive control and performance monitoring in risk propensity: An event-related potential study

2024

MA Nazari, S Naghel, S Abbasi, AK Naghadehi, B Nikzad, ...
Brain and Cognition 175, 106136

Computational Approaches in Studying Social and Cognitive Neuroscience

2023

FFT Navi
BCNC2023 Program, Tehran, Iran, December 27-29, 2023 10 (2), 8

The dark and bright side of the numbers: how emotions influence mental number line accuracy and bias

2023

S Sabaghypour, F Farkhondeh Tale Navi, E Kulkova, P Abaduz, N Zirak, ...
Cognition and Emotion, 1-14

Distinguishing Dominant Leader by Their Resting-State Electroencephalographic (EEG) Signals

2023

SH Hadi Mohamadpour, Farhad Farkhondeh Tale Navi, Elmira Shakeri
IBRO Neuroscience Reports 15 (S580), <https://doi.org/10.1016/j.ibneur.2023.08>

Panel: Closed-Loop Neurofeedback Systems

Mohammad Ali Nazari, Fahimeh Parsaei, Farhad Farkhondeh Tale Navi, Soomaayeh ...
BCNC2018 Program, Tehran, Iran, 7