

## Mohammad Reza Salehi

Ph.D. Candidate in Biomedical Engineering

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### Education

- **Ph.D. in Biomedical Engineering**  
*University of Tehran, Tehran, Iran*  
2019 – Present  
**Focus:** Development of methods for processing neuroimaging data, particularly resting-state fMRI in neuroscience
- **M.Sc. in Electrical Engineering (Telecommunications Systems)**  
*Isfahan University of Technology, Isfahan, Iran*  
2016 – 2019  
**Thesis:** Study of Neural Coding Methods in Mice's Barrel Cortex Using Calcium Imaging
- **B.Sc. in Biomedical Engineering**  
*University of Isfahan, Isfahan, Iran*  
2012 – 2016

### Research Interests

Biomedical Signal Processing, Network Neuroscience, fMRI Data Processing

### Selected Publications & Presentations

- Ali Roustazade, Mohammad Reza Salehi, Amin Mahnam, "A Brain-Controlled Game for Improving Attention," *Basic and Clinical Neuroscience Congress*.
- Mina Ghoorchian, Mohammad Reza Salehi, Hamid Soltanian-Zadeh, Gholamreza Zandesh, "Comparison of Functional Connectivity and Multivoxel Pattern Analysis for Classification of Musical Genres," *World Conference on Medical Image Computing and Computer-Assisted Intervention (WCMICCAI - 2023)*.
- Ali Bashirgonbadi, Mohammad Reza Salehi, and Hamid Soltanian-Zadeh, "Vertex-Frequency Analysis of Brain Networks: Unveiling the Connection Between Structure-Function Coupling and Cognitive Ability," *Under submission*.