DR. KORHAN BÜYÜKTÜRKOĞLU

Associate Research Scientist, Columbia University Medical Center Department of Neurology

Dr. Korhan Büyüktürkoğlu was graduated from Middle East Technical University Department of Psychology in 1999. Then, he achieved a master's degree in social psychology at Ankara University in 2007. He got his PhD (in Neurosciences) from International Max Planck Research School, Tubingen University, Germany where he applied real-time fMRI and EEG based brain computer interfaces to neuropsychiatric disorders such as obsessive compulsive disorder, Parkinson's disease, stroke, and depression. Between 2015 and 2017, he continued his academic career as a postdoctoral fellow at Icahn School of Medicine at Mount Sinai in New York, U.S.A. He did his second postdoc between 2017 and 2019 at Columbia University in New York, U.S.A. During his postdoctoral studies he explored cognitive impairment in multiple sclerosis (MS) using functional, structural, diffusion MRI, MR spectroscopy and EEG.

He was granted the Taub Institute MRI Platform Pilot Scan/Analysis Award (2017-2019). In 2019 he got a 3-year grant from National Multiple Sclerosis Society to explore cognitive impairment in MS using multimodal MRI and machine learning. In 2021 he was appointed as an associate research scientist (assistant professor) at Columbia University Department of Neurology. Since then, he has been working on multiple projects about multiple sclerosis, Alzheimer's diseae, pedicatric cancer and healthy ageing.

Dr.Büyüktürkoğlu has several publications in prestigious international journals. His research interests cover multimodal neuroimaging, machine learning, radiomics, brain computer interfaces and neuroscience of music.