

Dr. Fariba Khodagholi

Neurochemistry laboratory

The Neurochemistry laboratory of the Neuroscience Research Centre of Shahid Beheshti Medical University is devoted to the study of neuroscience and brain researches in health and disease. By integrating methodologies we aim to advance the understanding the mechanism and treatment of complex brain disorders.

The main objective of our neurochemistry laboratory in neuroscience research center is cellular, molecular and biochemical studies of biomolecules, neurochemicals and pharmaceutical drugs on nervous system structure and function in vivo and/or in vitro.

Our neurochemistry laboratory uses Neural Cell Culture, Enzymology, Immunohistology, and western blot techniques. Additional research directions are the studies of interactions between biochemical and behavioral and/or electrophysiological data in case of neurodegenerative diseases, stroke, traumatic brain injury, addiction, and epilepsy. In this way we can assess the neurochemical aspects of the neurological disorders and also effects of the treatment on them.