

Middle East Technical University – Hacettepe University
NEUROSCIENCE AND NEUROTECHNOLOGY PHD. PROGRAM

Some keywords for research topics:

Action and perception
Anxiety
Basic neuroscience
Behavioral planning
Behaviour understanding
Bioinspired robotics
Brain computer Interfaces
Brain connectivity analysis
Brain signal analysis
Brain targeted drug delivery systems
Cell culture, shRNA, siRNA
Cognition
Computational modelling and simulation
Computational neuroscience
Depression
Disease signature
Epilepsy
Grimace recognition
Growth factors
Human posture
Human/Machine Intelligence
Human/Machine Vision
In vivo animal models
Intelligent systems and control
Intracellular signalling and regulation
Inverse Problems in Neuroscience
Ischemia
Learning and memory
Legged robot locomotion
Logical reasoning
Migraine
Machine Learning
Neural networks
Neural signal and information processing
Neurodegenerative diseases
Neurodynamics
Neuroelectrophysiology
Neuroengineering
Neuroimaging systems
Neurological disease models
Neuromorphic computing
Neuropharmacology
Neurophysiopathology
Neurorobotic
Neuroprosthesis
Neurotoxins
Pain
Perceptual, cognitive and behavioural functions
Psychiatric disease models
Schizophrenia
Sleep analysis
Spatio-temporal Network Analysis
Stroke
Synaptic Plasticity