### 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
- Neuroporthesis
- Neurotoxins
- Pain
- Perceptual, cognitive and behavioural functions
- Psychiatric disease models
- Schizophrenia
- Sleep analysis
- Spatio-temporal Network Analysis
- Stroke
- Synaptic Plasticity