PhD Program in Neuro Science

Available fellowships: 5
Additional positions: 5
Application deadline: August 24, 2012

The 2012 Call for Applications is now open

Basic Science:
- Top-down influences on human performance
- Cognitive functions in movement disorders
- Inhibitory processes in selective attention
- Homeostasis of synaptic plasticity
- Synaptic competition
- Neuronal-immune interactions and sleep-wake regulation
- Inflammatory signalling and motor neuron degeneration
- Neuronal excitability and immune response
- Endocannabinoid system and neuronal plasticity
- Stem cells and experimental models of multiple sclerosis
- Proteomics, immunomics, and multiple sclerosis
- Neurontinflammatory signaling, neural-immune interactions and neurodegeneration
- Regulation of sleep and wakefulness
- Neuronal survival and axonal regeneration
- Synapse formation and plasticity
- Neurocognitive mechanisms of visual selective attention
- The influence of rewards and punishments on cognitive processing

Applied Research:
- Alternative rehabilitation strategies in movement disorders
- Phenotypes and genetics of congenital cerebellar malformations
- Deep-brain stimulation in movement disorders
- Nano-robotized Intracranic endoscopy
- EEG-fMRI co-registration in epilepsy and stroke
- Neurodegenerative Dementias
- Prion Diseases
- Muscle disorders

Duration: 3 years
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