

Titles of the Master theses in neurosciences completed in 2015 and 2016

- Determinants of impulsive behavior in the variable delay-to-signal test
- Understanding the role of the different fractions of human umbilical cord perivascular cells secretome in spinal cord injury repair
- The impact of phospholipase D ablation in the mouse hippocampus
- Tissue engineering approaches for spinal cord injury repair: hydrogels and mesenchymal stem cells
- Combining neuroprotective agents: effect of riluzole and magnesium in a rat model of thoracic spinal cord injury
- Schizophrenia, comorbidities and readmission
- Studying the role of Lipocalin-2 in the pathophysiology of multiple sclerosis – looking beyond the brain
- Understanding the relevance of astrocytic vesicular release in glioblastoma
- The role of Tau protein in the stress-induced changes in adult hippocampal neurogenesis
- Novel role of infralimbic astrocytic type-5 metabotropic glutamate receptors in descending facilitatory monoarthritis
- The role of AP2 γ transcription factor in the modulation of adult glutamatergic neurogenesis in depression
- The role of N-Glycans in the structure and function of the *C. Elegans* nervous system
- The impact of choroid plexus derived factors in the subventricular zone neural progenitor cells niche.
- The effects of antipsychotics in astrocytic plasticity and social behavior in an animal model of schizophrenia
- Mesenchymal stem cells secretome in Parkinson's disease regenerative medicine

Titles of the PhD theses in neurosciences completed in 2015 and 2016

- Harnessing the potential of pluripotent stem cells to develop novel platforms to study human motor neurons *in vitro*.
- Rat models of Parkinson's disease: insights into the treatment of refractory symptoms.
- Phenoworld: a new multidimensional strategy for studying behaviour in rodents.
- Exploring the secretome of mesenchymal like stem cells for central nervous system regenerative medicine: a focus on Parkinson's disease.
- Molecular regulation of the hippocampal neurogenic niche in depression and by antidepressants: insights from an unpredictable chronic mild stress rat model.
- Aging and Alzheimer's disease: searching for novel molecular cues.
- HOXA9 as a key regulator in glioma initiation, aggressiveness and response to therapy.
- Modulation of the secretome of mesenchymal stem cells for central nervous system regenerative medicine applications.
- The role of IFN γ in higher brain function: in health and under chronic stress.
- Study to determine the cardiovascular risk of the population of Guimarães/Vizela, including the prevalence of arterial stiffness and early vascular aging syndrome.
- Searching for therapeutic strategies in a mouse model of Machado-Joseph disease: targeting proteostasis.
- Adult hippocampal neural plasticity: insights into its functional relevance in the stressed and depressed brain.
- Stress-triggered synaptic malfunction: a gate along the path from depression to dementia.
- Regulation of sleep and circadian rhythms by TARANIS.
- Pre-clinical trials for Machado-Joseph Disease: hypothesis-based and hypothesis-free therapeutic approaches.
- Role of nucleus accumbens dopamine D1- and D2-expressing neurons in reward and motivation.
- A network approach to brain aging through multi modal neuroimaging.