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 AP2γ transcription factor in the modulation of adult glutamatergic neurogenesis in depression

-The role of N-Glicans 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 mode.

-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 IFNY 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.


-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.