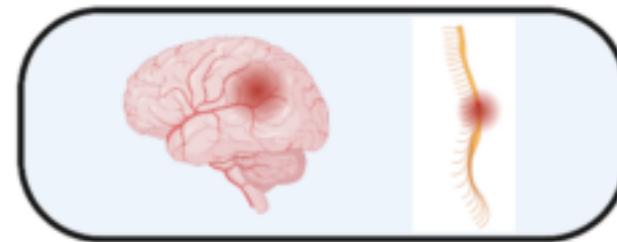


Research group: Charles NICAISE



Neurodegeneration and regeneration

Understanding the physiopathology of CNS injuries using animal and cell models, development of non-invasive quantitative imaging & stem cell-based therapies



Injury

Molecular Physiology
Research Unit (URPhyM)



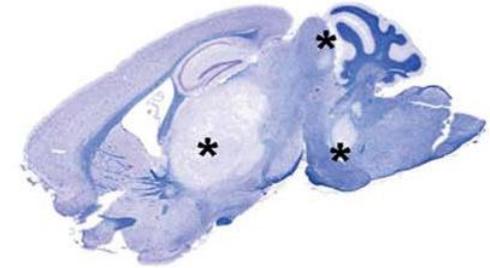
NAmur Research Institute for Life Sciences



Research group: Charles NICAISE



Modelling *in vivo* and *in vitro* osmotically-induced brain demyelination

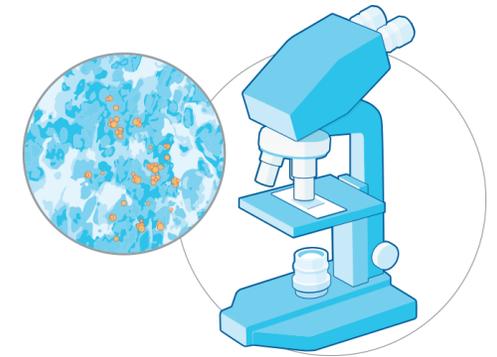
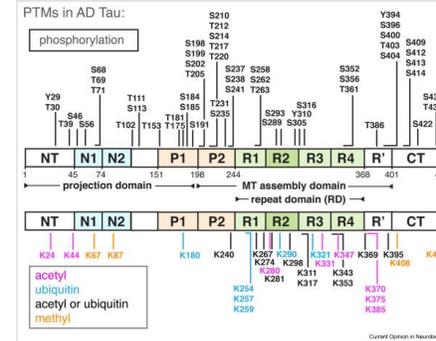


Slc7a11

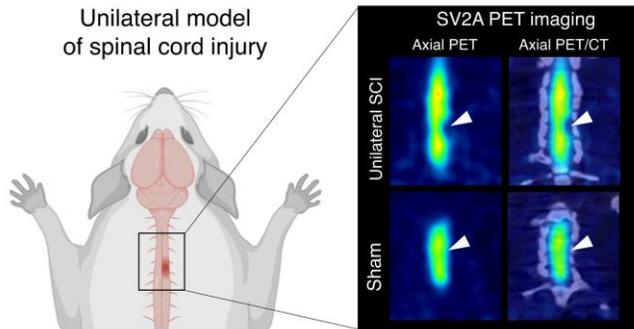


Role of cystine/glutamate antiporter (*xCT/Slc7a11*) on motor and sensory outcomes following contusion SCI

Interplay between traumatic SCI and post-translational modifications of tau protein

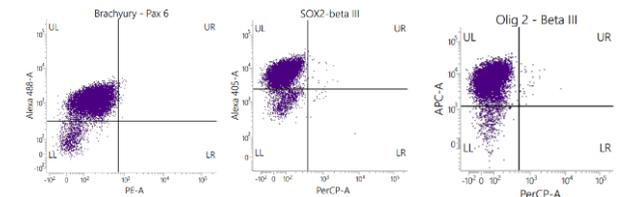


Unilateral model of spinal cord injury



Characterization of PET SV2A radiotracers for quantifying synaptic loss following contusion SCI

Development of spinal motor neuron differentiation program from hiPSCs



Research group: Charles NICAISE



Group leader

Charles Nicaise

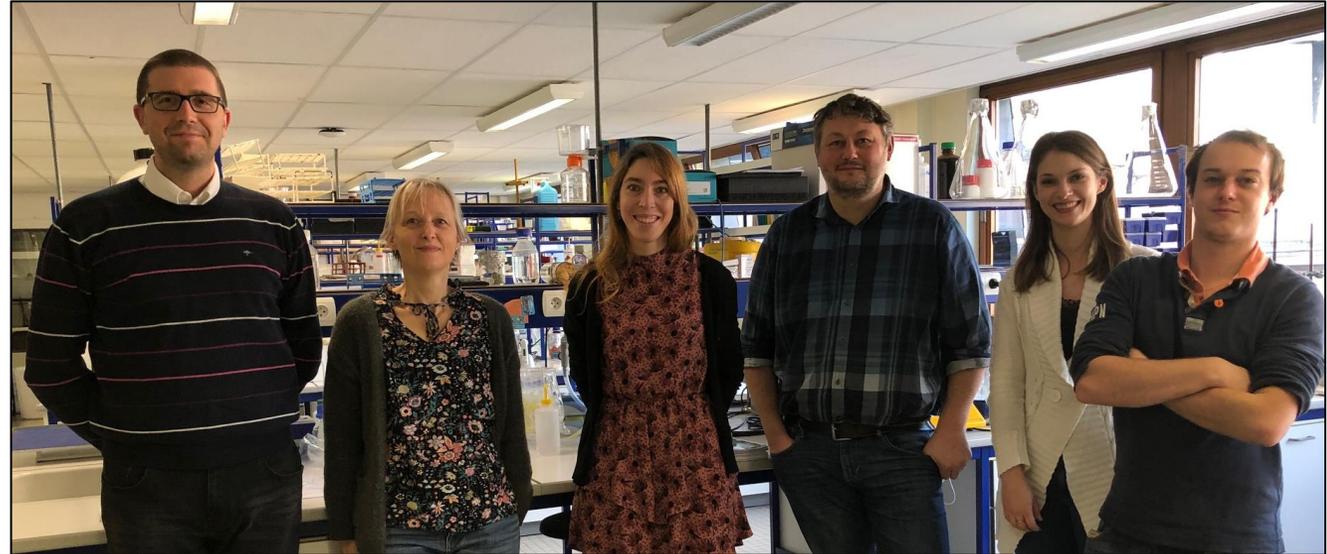
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