Laboratory of Neuropsychology and Pain

# Head of Laboratory:

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# Description

## Research focus

The primary research focus of the Laboratory of Neuropsychology and Pain is to use state-of-the-art research methods to investigate cognitive and emotional factors that influence the experience of pain as well as the neurophysiological and behavioural changes that occur with persistent and chronic pain.

## Specialized Equipment

Electroencephalography (EEG) for measuring brain activity and neuroplasticity

Electromyography (EMG) for measuring muscle activity

Cognitive and emotional models

Virtual reality and Illusory perceptual models

Tools for quantitative sensory testing (QST)

Conditioned pain modulation (CMP)

Autonomic responses (heart rate variability, pupillography, galvanic skin response)