

● BEHAVIOURAL NEUROSCIENCE



INTRODUCTION

The research group Behavioural Neuroscience studies the functionality of the brain from the behavioural changes observed in human and animal experiments. The experiments with people consist in perception, attention and memory tasks through the study of brain activity recorded in evoked potentials. The experiments with animal (laboratory rats) consist in associative learning tasks, in which they are exposed to a programmed stimuli (lights, sounds and flavours) to study the connecting process between stimuli of the animals.

RESEARCH TOPICS

- Learning and behaviour process in animals.
- Effects of stimulations of newborns on learning behaviours, emotional process and cognitive deterioration in the elderly.
- The use of evoked potentials for discrimination and memory experiments on human beings.

SCIENTIFIC-TECHNICAL SERVICES

- Investigation in animals about the effects on behavior, learning and memory, surgery, drugs or experiences that modify brain functions.
- Use of automated recording systems of animal behavior:
 - Skinner box
 - Smart system for filming and analysis of behavior.
- Training in difficult discrimination stimuli gustatory, olfactory, aural or visual.
- Analysis of brain activity via evoked potentials in humans.

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