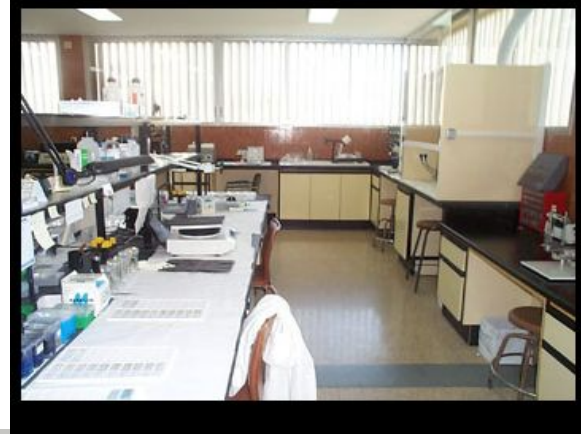


● COMPARATIVE NEUROBIOLOGY



INTRODUCTION

The scientific activity of the research group of the Laboratory of Comparative neurobiology of the UMA includes the comparative and evolutionary study of encephalic areas involved in conditioning, learning and emotions, such as the claustrо-amygdal regions in mammals, and their relation with the motor systems responsible for behaviour. In addition to the specific instrumentation and specific methodology for the study of the nervous system of vertebrates, the research group has all the material and technical resources needed for carrying out structural and ultrastructural studies of animal and plant cells and tissues. Likewise, the research group has much experience in numerous techniques for application in various biology fields.

RESEARCH TOPICS

- Expression of homeotic genes in the central nervous system.
- Development of the nervous system in vertebrates.
- Evolution of the prosencephalon in vertebrates.
- Thalamo-mesencephalic relations during the development of the nervous system.

SCIENTIFIC-TECHNICAL SERVICES

- Structural and ultrastructural studies of animal and plant cells and tissues. Optical and electronic microscopy techniques.
- Molecule detection techniques by means of antibodies (immunocytochemistry).
- In situ hybridization techniques.
- Tracing Neural Connections techniques.

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