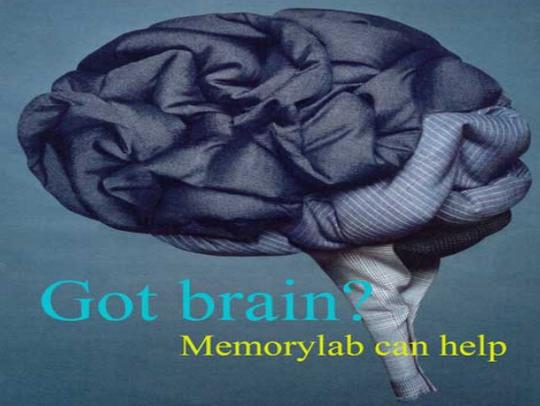


## ● MEMORYLAB MÁLAGA



### INTRODUCTION

This group is focused on cognitive functions are processed in the brain and what leads to dysfunction of this process in aging and in neurological (schizophrenia, bipolar disorder, autism) and degenerative diseases (Alzheimer, Parkinson's and Huntington). This is a multidisciplinary team made up of neurologists, biologists, biochemists, pharmacologists and psychologists, and also has a strong international collaboration with various groups located in the United States of America, United Kingdom, Germany, France, Italy, Japan and New Zealand. In last five years, this group has acquired several patents and has gained experience in collaboration with multinational pharmaceutical industries.

### RESEARCH TOPICS

- Their basic research work's line is dedicated to understand the mechanism of cognition and memory in brain and to identify the defects that account for memory loss observed in aging population and in patients with neurological and neurodegenerative disease.
- The translational research line is directed to identify biomolecules that are associated with memory functions and to further test the potential therapeutic application of these molecules as drugs against memory loss or memory dysfunction.

### SCIENTIFIC-TECHNICAL SERVICES

- Research project, planning and development, across multiple disciplines, including biology and medicine.
- Exploration and study of the effect of molecules, food products and natural extracts on memory and behaviour.
- Identification and preclinical study of therapeutic targets directed to the discovery of novel drugs for the treatment of memory loss.
- Use of gene therapy to test the effectiveness of drugs or molecules against memory loss in animal models of aging and of neurological and neurodegenerative diseases.
- Open to accept participation of private or other type of investment in the project of a memory enhancer molecule, RGS14, which is at final stage of preclinical studies.

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