
SALVADOR MARTÍNEZ

SCIENTIFIC COMMITTEE AT:

NEURO REGENERATION

IS IT THE COMMON FRONTIER
FOR BIOENGINEERING,
NEUROSCIENCE, ROBOTICS AND
NEUROREHABILITATION?



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Salvador Martínez, Head of Experimental Embriology Group at [Consejo Superior Investigaciones Científicas \(CSIC\)](#), Universidad Miguel Hernández, Alicante, Spain

Salvador Martínez's laboratory consists of interdisciplinary research groups seeking basic understanding of the mechanisms that control the first steps in the proper development of the brain. The study focuses on those regions along the embryonic brain (secondary organizers) that secrete morphogenetic molecules (FGFs, SHH, WNTs) for further development of its various subdivisions. His research extends the understanding the fundamental alteration of these mechanisms (genetic and molecular) that are small or drastic events in the external and internal morphology of the different structures of the brain that are associated with clinically neurological disorders in humans such as autism, schizophrenia and mental retardation. Some of the tools used in this research are stem cells and the biotechnology related to this branch of biology for the development of palliative therapies applied in medicine (clinical trials). The long-term goal of this research is find and try procedures for diagnostics, prevention and treatment of congenital disorders of brain, both mental illness and in neurodegenerative diseases.

B-DEBATE IS AN INITIATIVE OF:



WITH THE COLLABORATION OF: