

The new frontiers of neurobiology and development of new drugs

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The latest research of experimental and clinical neuropsychopharmacology highlighted the enormous difficulties in developing new and more effective drugs with fewer side effects. The complexity of the brain and the same great difficulty to understand how a single neuron functions led to a slowdown in the development of new drugs.

The recent development of new and effective cancer drugs capable of modulating the functions of specific genes has recently established a new strategy for the development of new molecules able to act on the brain with more selectivity and effectiveness. It will be discussed the new strategy for the development of molecules capable to act by modifying the function of the gene cluster in a much more selective than do existing drugs.