

## **PROTECTIVE EFFECT OF HDAC INHIBITORS IN NEURODEGENERATIVE DISORDERS**

1)Capasso A.. 2)Milano W..

*Department of Pharmacy, University of Salerno*

Histone acetyltransferase inhibitors (HDACi) are found to have particular application as neuroprotectants because of their ability to restore neuronal survival. The HDACi protective effect suggest their therapeutic use as neuroprotective agents in limiting neurological damage in neurodegenerative disorders because these treatments may not only aim to alleviate specific symptoms but also attempt to delay/arrest disease progression and to repair the damaged structures. These evidences support the view that the HDACi property to control neurodegenerative disorders may lead to the develop of novel pharmacotherapies with HDACi that selectively target specific area of CNS