“Homeoprotein intercellular transfer, a novel signaling pathway in brain development and physiology”

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Transcription factors of the homeoprotein family are well known developmental and physiological regulators acting in the nucleus. Several of them are also endowed with direct non-cell autonomous properties. Several examples of such signaling functions will be presented including, early patterning, cell migration, axon guidance and the regulation of cerebral cortex plasticity throughout life. If time permits the possibility to develop original therapeutic strategies based on homeoprotein transduction will be discussed.

Selected recent references

