

# Independence of Neurons for Trophic Factors

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Online Webinar

For Researchers



**Speaker:**

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**Host: Rajiv R. Ratan, M.D., Ph.D.**

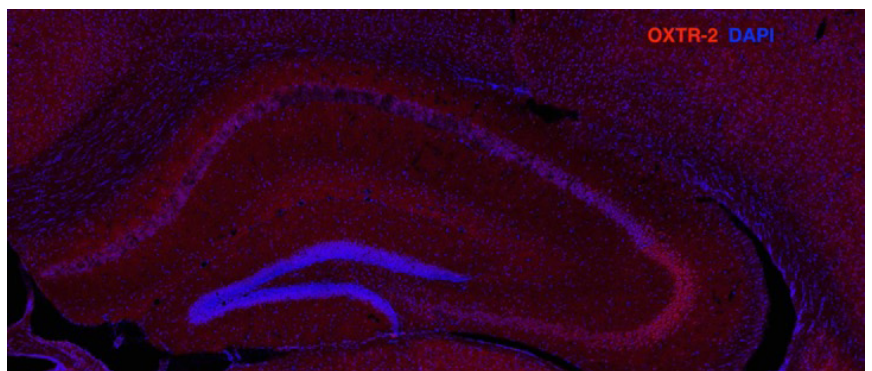
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## Abstract

Little is known about how neurons become independent of trophic support. Answering this question will provide insight into how aging neurons avoid cell death and persist for a lifetime. An increased resistance to the loss of trophic factors represents a protective mechanism to prevent neurodegeneration.



1. Mariga, A., Mitre, M. and Chao, M.V. (2016) Consequences of brain-derived neurotrophic factor withdrawal in CNS neurons and implications in disease. *Neurobiology Disease* 97, 73-79.
2. Mariga, A., Zavadil, J., Ginsberg, S.D. and Chao, M.V. (2014) Withdrawal of BDNF from hippocampal cultures leads to changes in genes involved in synaptic function. *Dev Neurobiology* 75, 173-192.
3. Scharfman, H.E. and Chao, M.V. (2013) The entorhinal cortex and neurotrophin signaling in Alzheimer's disease and other disorders. *Cognitive Neurosci* 4, 123-135.