

Mechanisms of Axon Degeneration and Neuroprotection in Peripheral Neuropathies

July 30

Tuesday, 12:30 pm

Weekly Colloquium

Billings Building
Rosedale Conference Room



Speaker: Ahmet Hoke M.D., Ph.D.
FRCP

Professor, Neurology and Neuroscience
Director, Neuromuscular Division
Editor-in-Chief, Experimental Neurology
Johns Hopkins School of Medicine
Baltimore, MD

Host: Edmund Hollis II, Ph.D.

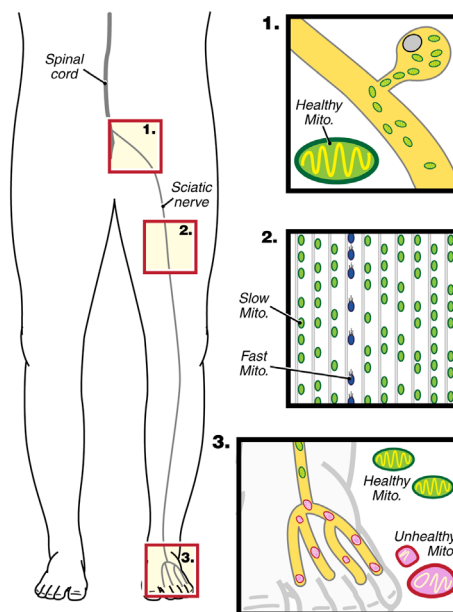
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Abstract

Dr. Hoke's research focuses on mechanisms of axon degeneration in models of peripheral neuropathies and identification of new drugs and pathways to prevent development of peripheral axonal degeneration. In addition, his research examines the role of Schwann cells in peripheral nerve regeneration and inherited neuropathies.



1. Turkiew E, Falconer D, Reed N, Hoke A. "Deletion of Sarm1 gene is neuroprotective in two models of peripheral neuropathy" *J Peripher Nerv Syst*. 2017 May 9. doi: 10.1111/jns.12219. [Epub ahead of print] PMID: 28485482
2. Sarhane KA, Ibrahim Z, Martin R, Krick K, Cashman CR, Tuffaha SH, Broyles JM, Prasad N, Yao ZC, Cooney DS, Mi R, Lee WA, Hoke A, Mao HQ, Brandacher G "Macroporous nanofiber wraps promote axonal regeneration and functional recovery in nerve repair by limiting fibrosis." *Acta Biomater*. 2019 Apr 1;88:332-345. doi: 10.1016/j.actbio.2019.02.034. Epub 2019 Feb 23 PMID: 30807875
3. Mukherjee-Clavin B, Mi R, Kern B, Choi IY, Lim H, Oh Y, Lannon B, Kim KJ, Bell S, Hur JK, Hwang W, Che YH, Habib O, Baloh RH, Eggan K, Brandacher G, Hoke A, Studer L, Kim YJ, Lee G. "Comparison of three congruent patient-specific cell types for the modelling of a human genetic Schwann-cell disorder" *Nat Biomed Eng*. 2019 Apr 8. doi: 10.1038/s41551-019-0381-8. [Epub ahead of print] PMID: 30962586