

WAYNE STATE UNIVERSITY

The WSU Program for Traumatic Brain Injury Research

presents a Special Topic Seminar

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“Functional and Cellular Effects of Environmental Enrichment After Transient Global Cerebral Ischemia”

Abstract: Enriched environment has shown benefit for brain development and recovery from injury in a number of experimental studies. Unlike other post-ischemia rehabilitation techniques investigated, enriched environment differs, in that it facilitates voluntary and challenge-free activity in stimulating surroundings. Our data show that use of enriched environment as a rehabilitation strategy following transient global cerebral ischemia leads to improvement in functional outcome, changes in dendritic morphology, and alterations in injury-induced progenitor cell differentiation. The mechanisms involved in the neuroprotective effects of enriched environment in central nervous system injury is still poorly understood but convincing evidence from experimental data of its effectiveness warrants more clinical attention.

Date: Thursday February 7th, 2013

Time: 12:00pm – 1:00 pm

Location: BME 2220 Lecture Room Scott Hall
818 W Hancock, Detroit, MI 48201



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