

WAYNE STATE UNIVERSITY

The WSU Program for Traumatic Brain Injury Research

presents a Special Topic Seminar

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“Traumatic Brain Injury and potential role of Caffeine in alleviating secondary injury changes in an animal model”

Abstract: Traumatic brain injury (TBI) is a global health problem with significant socio economic costs. Despite a great deal of understanding on the pathomechanisms of TBIs, there are still several ongoing efforts to develop effective therapies for mitigating various cellular injury processes that continue well beyond the initial traumatic insult. Particularly of concern are the neurological deficits that affect the injured who tend to be people in their most productive period. Recently, there is a growing interest on the therapeutic potential of caffeine on alleviating some of the secondary injury changes as shown in various models of TBI and others. It is hypothesized that caffeine modulates its beneficial effects through adenosine receptor modulation. So far studies related to effects of caffeine (following acute or chronic administration) in a closed head TBI model are lacking. Current knowledge on the role of Caffeine in TBI and preliminary results from an ongoing study will be discussed.

Date: Thursday February 9th, 2012

Time: 12:00pm – 1:00 pm

Location: BME 2220 – Bioengineering Center

818 W. Hancock, Detroit, MI 48201



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