

# WAYNE STATE UNIVERSITY

## The WSU Program for Traumatic Brain Injury Research

presents a Special Topic Seminar

### **Ramon Diaz-Arrastia, MD, PhD.**

Professor of Neurology, UT Southwestern Medical School, Dallas, TX  
Director of Clinical Research at the Center for Neuroscience and Regenerative Medicine  
(CNRM).

## **“Endophenotypes of Traumatic Brain Injury: What we need to know for the next generation of clinical trials”**

### **Abstract:**

Traumatic brain injury (TBI) is a major cause of death and disability in modern societies. This burden has stimulated important research in preclinical models, which has largely been successful in identifying molecular pathways that when modulated result in ameliorated neuronal injury and improved neurologic outcome. Unfortunately, attempts to translate these promising therapies into human clinical trials have failed. In large part this failure may be due the heterogeneity of human TBI. Recent discoveries particularly using magnetic resonance imaging (MRI) have made possible the recognition and quantitative assessment of injury subtypes in humans, which have the potential to allow the design of clinical trials of drugs targeted at endophenotypes of TBI.

**Date:** Thursday May 24<sup>th</sup>, 2012

**Time:** 12:00pm – 1:00 pm

**Location:** Scott Hall – Green Hall  
540 E. Canfield, Detroit, MI 48201



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