



PROGRESS IN NEUROSCIENCE PINS

Seminar Series of the
Brain & Mind Research Institute
Weill Cornell Medical College (WCMC)
&

The Graduate Program in Neuroscience of
WCMC and Sloan Kettering Institute

Thursday, 12/15/16, 4 PM, coffee at 3:45 PM

Weill Auditorium



“Discovery and Development of a Neuroprotective Drug”

Andrew Pieper, MD, Ph.D., Professor of Psychiatry, Director of Translational Neuroscience, University of Iowa Carver College of Medicine



Abstract

Many forms of both neurological and psychiatric disease are related to neurodegeneration. This talk will present primary data that relates mental illness to neurodegeneration in the postnatal brain. The process by which a novel class of neuroprotective molecules has been developed will also be presented, along with preclinical data showing potential applicability to mitigating neurodegeneration throughout the nervous system.

Recent Relevant Publications:

1. [Acute Axonal Degeneration Drives Development of Cognitive, Motor, and Visual Deficits after Blast-Mediated Traumatic Brain Injury in Mice](#). Yin TC, Voorhees JR, Genova RM, Davis KC, Madison AM, Britt JK, Cintrón-Pérez CJ, McDaniel L, Harper MM, Pieper AA. *eNeuro*. 2016 Oct 31;3(5). pii: ENEURO.0220-16.2016
2. [The Neuropsychiatric Disease-Associated Gene *cacna1c* Mediates Survival of Young Hippocampal Neurons](#). Lee AS, De Jesús-Cortés H, Kabir ZD, Knobbe W, Orr M, Burgdorf C, Huntington P, McDaniel L, Britt JK, Hoffmann F, Brat DJ, Rajadhyaksha AM, Pieper AA. *eNeuro*. 2016 Mar 31;3(2). pii: ENEURO.0006-16.2016. doi: 10.1523/ENEURO.0006-16.2016.PMID:27066530
3. [P7C3 neuroprotective chemicals block axonal degeneration and preserve function after traumatic brain injury](#). Yin TC, Britt JK, De Jesús-Cortés H, Lu Y, Genova RM, Khan MZ, Voorhees JR, Shao J, Katzman AC, Huntington PJ, Wassink C, McDaniel L, Newell EA, Dutca LM, Naidoo J, Cui H, Bassuk AG, Harper MM, McKnight SL, Ready JM, Pieper AA. *Cell Rep*. 2014 Sep 25;8(6):1731-40. doi: 10.1016/j.celrep.2014.08.030.



**Weill Cornell
Medicine**

