



The Department of Pharmacology

Proudly Presents the Seminar Series:

Frontiers in Pharmacology

“Decalmodulation of voltage-gated Ca_v Ca^{2+} channels”

Calmodulin has emerged as an integral subunit and key regulator of voltage-gated Ca_v channels. In the heart, calmodulin promotes Ca^{2+} -dependent inactivation of Ca_v1 channels, which is crucial for normal cardiac rhythmicity. However, in neuronal cell-types, Ca_v1 channels exhibit considerably less Ca^{2+} -dependent inactivation. We have discovered mechanisms that oppose the actions of calmodulin on Ca_v channels, and show that these mechanisms are crucial for proper regulation of Ca_v channel signaling in the nervous system.

Amy Lee, Ph.D

Professor

Dept. of Molecular, Physiology & Biophysics,

Assistant Dean of Scientific Affairs

Carter College of Medicine,

University of Iowa

Tuesday, Dec. 8, 2015

4:00 pm

GBSF Auditorium

(Rm. # 1005)

Light refreshments will be served.

Host : Johannes Hell

jwhell@ucdavis.edu