



Wednesday, May 23, 2018

LSC 3 | 12:00 - 1:00PM

Dr. Edwin Moore

Professor

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“Rapid Ultrastructural Changes Regulate the Function of Cardiac Ryanodine Receptors “

We have demonstrated a new, fundamental, mechanism that regulates Ca^{2+} release from the sarcoplasmic reticulum; rapid rearrangement of the ryanodine receptor (RyR) array. This is an emergent property of the RyR ensemble that effects changes in RyR open probability (P_o) and in the efficacy of inter-RyR calcium-induced calcium release. It is a major mechanism by which changes in Mg^{2+} , the immunophilins and cell-wide phosphorylation exert their effects.

Live Online Seminar Viewing:
<http://tinyurl.com/cbrseminaronline>

