

Joint DANDRITE, iPSYCH & iSEQ Seminar

Thursday 15 June 2016
10.00 - 11.00

The Biomedicine Auditorium A, building 1170, 3rd floor, room 347
Ole Worms Allé, 8000 Aarhus C



[Wayne Chen](#)

Prof. at University of Calgary, Canada

The Ryanodine Receptor Store-Sensing Gate: from Structure to Cardiac and Neurological Disorders

In this seminar Wayne Chen will present the recently resolved high-resolution three-dimensional structure of the cardiac ryanodine receptor (RyR2). This 3D structure provides novel insights into the structural basis of the store calcium sensing gate mechanism that is critical for the generation of calcium waves/oscillations. He will also talk about the significance of this RyR2 store sensing gate in the pathogenesis of cardiac arrhythmias and Alzheimer's disease. Finally, he will present data on the role of the store sensing gate of inositol 1,4,5-trisphosphate receptor type 1 (ITPR1) in neurological disorders in mice and possibly in humans.

Hosts: Director and Prof. Poul Nissen, DANDRITE, MBG, Aarhus University and Associate Prof. Mette Nyegaard, Dept. Biomedicine, iPSYCH, Aarhus University.