

29 March 2018 (Thursday)  
3 pm, NUS MD9 workshop

## Seminar



### Role of calcium channels in the brain

Professor Tuck Wah SOONG, Ph.D.  
Physiology, NUSMed, NUS  
Co-founder of SfN (Singapore) Chapter

Ion channel diversity is important to nervous and cardiovascular systems. Besides diversification of ion channel functions through gene numbers and association with auxiliary subunits, ion channels could be functionally modified post-transcriptionally or post-translationally to expand their functional diversity.

We have been studying voltage-gated calcium channels in relation to how alternative splicing or RNA editing increase the repertoire of channel function to adapt to physiology or disease. Interestingly, we have discovered proteins that modulate specific calcium channels in a splice variant-selective manner in the brain, heart and arteries. We have generated transgenic mice to understand altered channel properties due to alternative splicing and RNA editing. We have also related changes in splicing patterns and editing levels to physiology and human disease.



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## AGM

### Society for Neuroscience (Singapore) Chapter Annual General Meeting

- Annual report
- Election of new ex-co members
- Membership renewal
- New member sign-up
- Refreshment provided



Scientific seminars | Networking | Public outreach