



iTERM Lunchtime Seminar Series ***Institute for Tissue Engineering and Regenerative Medicine***

TITLE

“TRP channels and embryonic stem cells-derived cardiomyocytes”

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Embryonic stem cell-derived cardiomyocytes (ESC-CMs) is an important source of cardiomyocytes for regenerative medicine and drug screening. In mammalian cells, 28 transient receptor potential (TRP) channels were identified and classified into 6 subfamilies including TRPC (canonical), TRPV (vanilloid), TRPM (melastatin), TRPP (polycystin), TRPML (mucolipin) and TRPA (ankyrin). These TRP channels are non-selectively permeable to cations, and have been shown to be involved in the perception of changes in cellular environment. Our recent studies have found that several TRP channels are involved in the differentiation and/or the function of ESC-CMs. In this seminar, we will discuss these recent findings, and the insights that we can obtain from these findings.

DATE

4 Oct 2019 (Friday)

TIME

12:30pm - 2pm (please arrive 15 minutes before the scheduled time, light lunch shall be provided)

VENUE

**G02, Lo Kwee-Seong Integrated Biomedical Sciences Building, Area 39,
CUHK**

Online Registration: <https://cloud.itsc.cuhk.edu.hk/mycuform/view.php?id=368616>



~ All are Welcome ~