MOLECULAR IMAGING OF VIRAL ONCOLYSIS THERAPY FOR CANCER METASTASES

DATE: THURSDAY, 21 MARCH 2019
TIME: 12:30 – 1:30PM. A LIGHT LUNCH WILL BE PROVIDED.
VENUE: MBI AUDITORIUM, 770 BLACKBURN ROAD, CLAYTON

ABSTRACT
Cancer metastases, especially to the brain, lung and liver, result in devastating complications leading to poor prognosis. Despite treatment advances, the emergence of resilient metastases challenge existing therapies.

Viral oncolysis is a novel treatment option that is based on the target and destruction of cancer cells by a replication-conditional virus, while sparing healthy cells. Robust virus replication in cancer cells over successive cycles magnifies the initial therapeutic dose. This requires careful monitoring, often through multiple biopsies which is not feasible. Molecular imaging with PET / MRI overcomes monitoring challenges by providing a non-invasive means to identify intracellular virus gene expression in real-time.

In this seminar, Dr Darshini Kuruppu will discuss PET / MRI imaging of cancer metastases along with a potential treatment option that could prolong patient survival, and non-invasive means to evaluate treatment success.

View on Zoom at monash.zoom.us/j/611675966

platforms.monash.edu/mbi