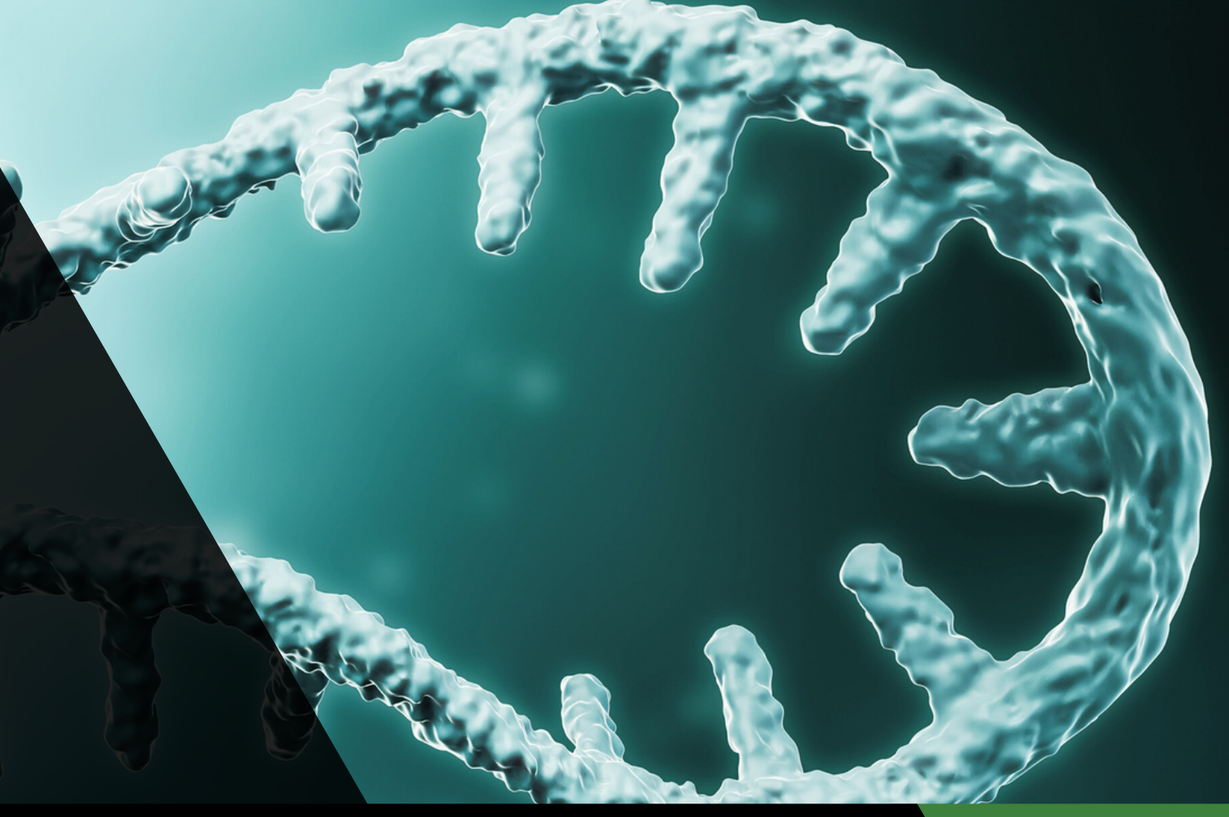
SINGAPORE RNA
SEMINAR SERIES

UNCOVERING MECHANISMS OF RNA TRANSPORT



Monday 15 April 2024
10am (SGT , GMT+8)

Via Zoom

About the speaker

Vi Wickramasinghe was awarded a prestigious Melbourne National Scholarship to undertake his undergraduate and honours degrees in Biomedical Science at the University of Melbourne. Following this, he was awarded a Medical Research Council pre-doctoral fellowship to undertake his PhD studies at the University of Cambridge in the United Kingdom under Professor Ron Laskey, FRS, CBE, FMedSci, and undertook further postdoctoral work with Professor Laskey and Professor Ashok Venkitaraman, FMedSci. He was recruited back to Victoria on a veski Innovation Fellowship. He heads the RNA Biology and Cancer Laboratory at the Peter MacCallum Cancer Centre in Melbourne, Australia since mid-2016. He is the inaugural Moderna Australia Fellow and his research is currently supported by two NHMRC Ideas Grants and an mRNA Victoria research acceleration grant.

Dr. Vi Wickramasinghe
RNA Biology and Cancer Laboratory,
Peter MacCallum Cancer Centre,
Melbourne, Australia

About the seminar

Vi Wickramasinghe's research interests lie in understanding the molecular basis of how RNA is selectively processed and exported from the nucleus into the cytoplasm and how deregulation of these processes contributes to human cancer. He will present recent fundamental work on the discovery of new pathways that regulate the nuclear export of an emerging class of RNAs, circular RNA (Ngo et al., Nature, 2024). He will also present recent work to develop first-in-class inhibitors of mRNA export to treat cancer and how these chemical tools can reveal how mRNAs are transported within the nucleus.

Co-organised by: Agency for Science, Technology and Research SINGAPORE; NUS National University of Singapore; NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

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