

Using the eye as a model to study complex disease with patient induced pluripotent stem cells

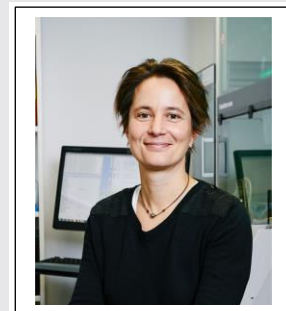
**Professor Alice Pébay AM -
Principal Research Fellow, University of Melbourne**

Abstract

We use patient induced pluripotent stem cells to model complex human neurodegenerative conditions. By combining stem cell cultures, multiple -omics and functional analysis approaches, we have established models of age-related macular degeneration and glaucoma, which will be described in this seminar.

Bio

Professor Alice Pébay AM is a Principal Research Fellow and Head of the Stem Cell Disease Modelling Laboratory at the University of Melbourne and the Chief Scientific Officer for CCRM Australia. Alice's research at The University of Melbourne focusses on using patient stem cells to model degenerative diseases of the eye and brain. Alice has published over 120 academic manuscripts and is the primary inventor of three granted international patents related to stem cell technology. Alice has been awarded multiple fellowships, including a National Health & Medical Research Council (NHMRC) Career development Fellowship, an Australian Research Council Future Fellowship and a NHMRC Senior Research Fellowship. Alice has held leadership positions within Stem Cells Australia and the Australasian Society for Stem Cell Research, both leading committees of stem cell research nationally and abroad. She is an active member of various boards and committees, including for patients and philanthropic groups.



EVENT DETAILS

DATE:

Tuesday 12th March, 2024

TIME:

12:30pm

VENUE:

Room G19
15 Innovation Walk
Monash University
Clayton Campus

HOST:

Dr William Roman



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