

INVITATION

SEMINAR 2020

RESEARCH AND INNOVATION



NICM Health Research Institute presents Dr Edwin Lim, Senior Research Fellow and Translational Metabolomic Group Lead, Faculty of Medicine and Health Sciences, Macquarie University; and Secretary of the International Society for Tryptophan Research.

Join guest seminar speaker, [Dr Edwin Lim](#), as he discusses his research into tryptophan metabolism – an essential amino acid – and its possible connection to improving neurodegenerative and neuropsychiatric conditions.

As an analytical biochemist and biostatistician, Dr Lim combines complex data from mapping small molecules in human biofluids with artificial intelligence to identify ways to diagnose diseases and predict their progression. Using a biomarker-guided precision medicine approach, Dr Lim is investigating how modifiable lifestyle risk factors, including diet and exercise, can regulate tryptophan metabolism to improve neurodegenerative and neuropsychiatric conditions such as multiple sclerosis and schizophrenia. Dr Lim has received over \$4.3M in competitive research funding with over \$2.2M as a chief investigator, and successfully published more than 60 peer-reviewed papers in high profile journals.

Overview

This presentation, *The life journey of tryptophan metabolism research: focus on neurodegeneration*, will explore how tryptophan metabolism may contribute to neuropsychiatric events and neurodegenerative disorders from prenatal to the ageing brain. Dr Lim will also discuss how inflammation, lifestyle factors, and gut microbiota can interact and affects a host's tryptophan metabolism impacting the outcomes of various neuropsychiatric symptoms.

DATE	Monday 30 November 2020
TIME	12pm to 1pm
VENUE	Webinar
COST	Free and open to all
RSVP	Register by 25 November at nicm.edu.au/news/events