



Microglial modulation rescues cognitive impairment caused by fetal exposure to gestational diabetes

SEMINAR & VISITING SPEAKER SERIES

DATE

Friday, September 27, 2019
9:00AM

LOCATION

PX236/238 PsychHealth Building

SPEAKER

Tiina Kauppinen, Ph.D.

Associate Professor, Department of
Pharmacology and Therapeutics,
University of Manitoba

Principle Investigator, Neuroscience
Research Program, Kleysen Institute for
Advanced Medicine, Health Sciences
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Researcher, Children's Hospital Research
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BIO

Dr. Kauppinen was born and educated in Kuopio, Finland. She obtained her M.Sc. in Biotechnology (1998) and Ph.D. in Biotechnology and Molecular Neuroscience (2001) from the University of Kuopio, Finland. She did her postdoctoral training (2002-2006) at the University of California, San Francisco, while earning a Docent degree in Neuroinflammation (2007) from University of Kuopio, Finland. She continued in the

Department of Neurology, UCSF as an Adjunct Assistant Professor (2006-2012). Dr. Kauppinen joined the Faculty of Medicine, University of Manitoba in July 2012. Currently she is an associate professor in the Department of Pharmacology and Therapeutics, a principle investigator in the Neuroscience Research Program at Kleysen Institute for Advanced Medicine, Health Sciences Centre, and researcher in Children's Hospital Research Institute of Manitoba.

Dr. Kauppinen's research laboratory investigates how microglial functions are regulated and how to harness them to promote brain health and recovery in acute (stroke, traumatic brain injury) and chronic (Alzheimer's disease) central nervous system disorders, brain tumour, and in neurodevelopmental disturbances (fetal exposure to gestational diabetes).

Her research is funded by grants from Alzheimer Society of Canada (ASV), Canada Foundation for Innovation (CFI), Canadian Institutes of Health Research (CIHR), Children's Hospital Research Institute of Manitoba Foundation (CHRIM), Heart and Stroke Foundation Canada (HSFC), Manitoba Health Research Council (MHRC), Natural Sciences and Engineering Research Council of Canada (NSERC) and University of Manitoba.

OBJECTIVES

1. To explain the impact of gestational diabetes exposure to offspring neurodevelopment
2. To evaluate how microglial activation can influence neuronal function and viability
3. To identify targets/means to modulate microglial functions

For more information:

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