manitoba neuroscience network

An 'iron-ic' story about endolysosomes, inter-organellar signaling and neurodegenerative diseases

SEMINAR & VISITING SPEAKER SERIES

DATE

Friday, September 21st, 2018
12:00 Noon

LOCATION

Theatre C
Bannatyne Campus

SPEAKER

Jonathan Geiger, Ph.D.

Chester Fritz Distinguished Professor
UND School of Medicine and Health Sciences
Department of Basic Biomedical Sciences

Objectives:

1. Appreciate that endolysosomes contain readily releasable stores of cations including iron and calcium.

2. Discuss specific examples of inter-organellar signaling.

3. Know that de-acification of endolysosomes profoundly affects endolysosome structure, distribution and function.

4. Appreciate that endolysosome pH and cation release from endolysosomes are early and upstream events central to the pathogenesis of neurodegenerative diseases including HIV-1 associated neurocognitive disorder and Alzheimer's disease.

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