



THE UNIVERSITY OF BRITISH COLUMBIA

Cellular and Physiological Sciences Seminar Series

Honglin Luo, M.D

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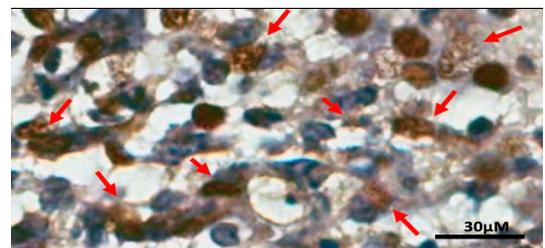
"Enterovirus-induced proteotoxicity: connection between heart and neuronal disease"

Thursday, May 23, 2019

12:30 - 1:30 (LSC 3)

Host: Drs. Rideout/Kopp

Dr. Luo's research focuses on the studies of virus-host interactions and the mechanisms of enteroviral pathogenesis, specifically, enterovirus-induced viral myocarditis and cardiomyopathy, an important cause of cardiovascular mortality worldwide, particularly in children. She studies how enterovirus utilizes the host cellular machinery, in particular, the protein quality control system including molecular chaperones and the ubiquitin-proteasome and autophagy degradation pathways, to support its infection and to induce cardiac damage. Since her recent discoveries that enterovirus-induced pathology remarkably resembles the molecular phenotype of neurodegenerative diseases, including amyotrophic lateral sclerosis (ALS, aka Lou Gehrig's disease), she has extended her research to understand the possible role of enteroviral infection in the development of neurodegenerative diseases.



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