

Dr. F.C. MacIntosh Lectureship Seminar**GUEST SPEAKER****Dr. Loydie A. Jerome-Majewska**Professor, Departments of Pediatrics
and Human Genetics, McGill
University **FRIDAY, DECEMBER 8, 2023**
11:00AM**MCINTYRE MEDICAL SCIENCES
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“Are craniofacial spliceosomopathies due to depletion of neural stem cells?”

Core splicing factors are essential for mRNA maturation and alternative splicing. Hence, they are essential for generating the diversity of mRNA and proteins found in cells and for coordinated regulation of the cellular processes essential for morphogenesis. Curiously, heterozygous mutations in a subset of core-splicing factors result tissue-specific malformations in newborn head and face, and limbs. The cellular mechanism that links the tissue-specific defects found in spliceosomopathies, if any, remains a mystery. In this talk I will present work by our group aimed at identifying the dysregulated cellular processes that are responsible for craniofacial and limb malformations in mutant mouse models with mutation of core-splicing factors.