



# NeuroNA

## Human Cellular Neuroscience Seminars

### Thomas Durcan

The Neuro, McGill University, Montreal, Canada

## “Advancing our understanding of brain disorders with stem cells”

Dr. Thomas M. Durcan is an Associate Professor within the Montreal Neurological Institute (The Neuro) and McGill University and Director of the Neuro’s Early Drug Discovery Unit (EDDU), focused on the use of human induced pluripotent stem cells (iPSCs) for fundamental and translational discovery project through partnerships with academia and industry. Founded under a decade ago, the group has established a cohort of 150+ iPSCs that have been advanced into different projects within the group and used to generate a wide range of neuronal and glial subtypes, in addition to more advanced 3D brain organoid models. For the talk, Dr. Durcan will focus on a number of case studies from the group, describing how the group develops stem cell models within a dish to model a disease on a dish. Examples will include Parkinson’s disease, Leukodystrophies and Fragile X as case studies.

**Thursday, May 16, 2024, 4pm**

Center for Psychiatric Neuroscience, Cery, 1st floor

Host: Pierre Marquet

[CHUV Webex Link](#)

**EPFL**



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