neuro
Montreal Neurological Institute-Hospital
Early Drug Discovery Unit

EARLY DRUG DISCOVERY UNIT
EDDU NEWSLETTER

September - October 2022

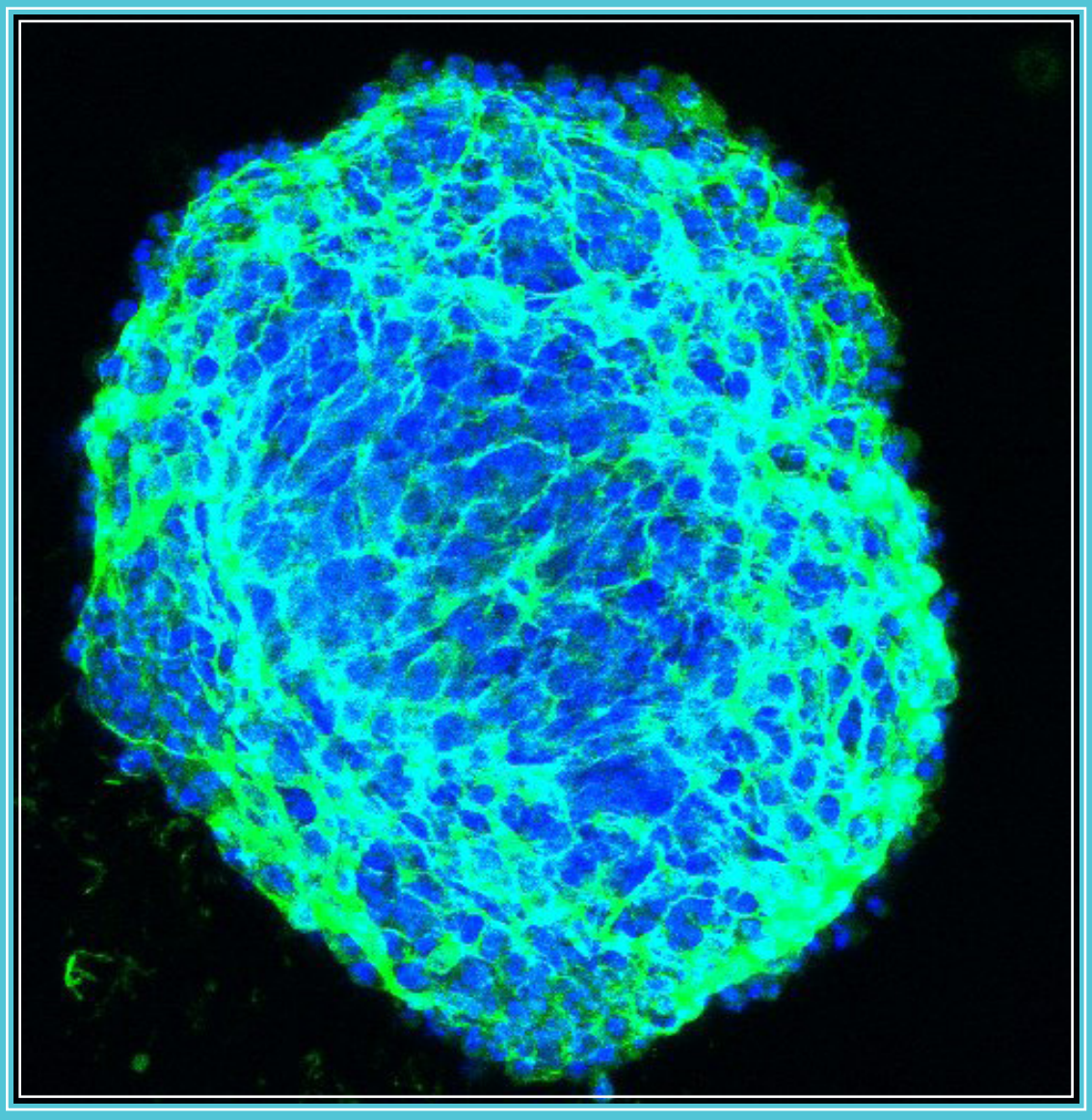


Photo: *Image of a motor sphere*
By Mathilde Chaineau and Maria Jose Castellanos Montiel

CONTENT

"What is required of a working hypothesis is a fine capacity for discrimination."

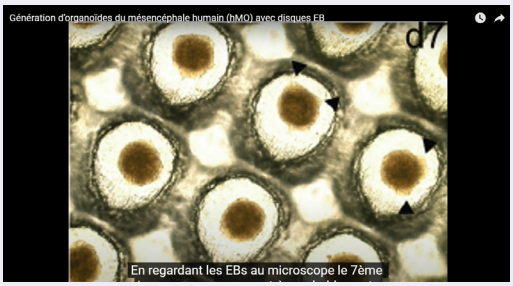
Jean-François Lyotard (1924 - 1998) was a French philosopher, sociologist, and literary theorist.

The Early Drug Discovery Unit (EDDU)

Accelerating drug discovery to improve the lives of people with neurological disease

Videos

- Our protocol human midbrain organoids protocol video is now available in French and Portuguese too!
Click on the links below to check them out:

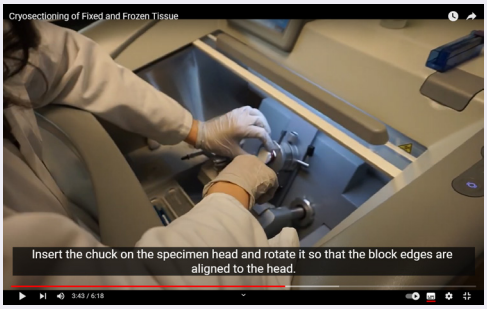


[Génération d'organoïdes du mésencéphale humain (hMO) avec disques EB]

[Protocolo para gerar organoides do mesencéfalo humano (hMO) com discos de EB]

- We now have a Cryosectioning of Fixed and Frozen Tissue protocol video!

Click here to watch it.



Publications

Click on the link below to read our latest publications

Published

TBK1 antibodies: The identification of potent and selective antibodies for Serine/threonine-protein kinase TBK1, for use in immunoblot, immunofluorescence and immunoprecipitation

PFF internalization mechanism: Rapid macropinocytic transfer of alpha-synuclein to lysosomes

Preprints

Insights into human iPSC-derived microglia culture: Systematic comparison of culture media uncovers phenotypic shift of human microglia defined by reduced reliance to CSF1R signaling

What's New – Cell lines

- Our group generated CRISPR KO cell lines of FMR1 gene in iPSCs. FMR1 is involved in Fragile-X syndrome. This cell line is now being used by our NeuroDev team to study cellular and genetic alterations in neurodevelopmental disorders associated with intellectual disabilities and autism spectrum disorder.

Connect with us!

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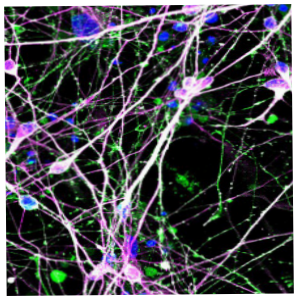
- Data portal



Happy Fall & Happy Halloween!

Next issue will come in November!

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