neuro
Montreal Neurological Institute-Hospital
Early Drug Discovery Unit

EARLY DRUG DISCOVERY UNIT
EDDU NEWSLETTER

February - March - April 2023

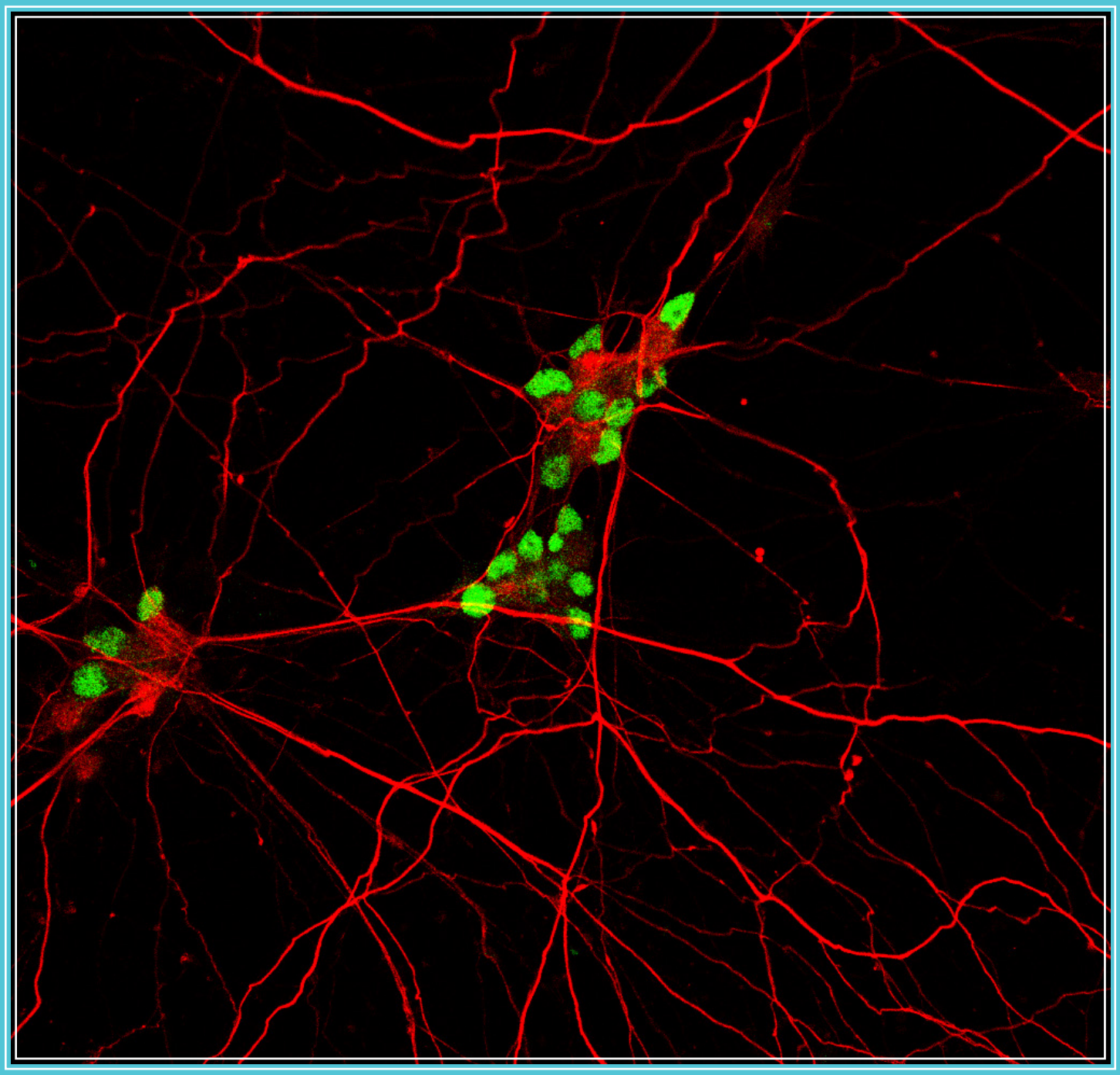


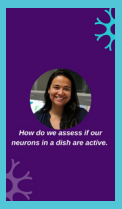
Photo: *Image of iPSC-derived motor neurons*
By Mathilde Chaineau

Outreach & Training Videos

- Learn how to generate and characterize iPSC-derived motor neuron spheroids.

Click here to watch it on Linkedin.
Click here to watch it on Instagram.

- Learn how to assess if neurons in a dish are active.



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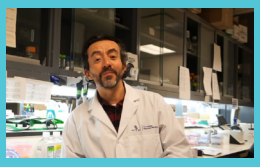
- Learn more about our work with iPSC-derived astrocytes.



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Publications

Click on the link below to read our latest publications

Published

TDP-43 role in ALS: TDP-43 dysregulation and neuromuscular junction disruption in amyotrophic lateral sclerosis

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

Preprints

Alpha-synuclein propagation in a mouse model: Presymptomatic neuroanatomical and cognitive biomarkers of alpha-synuclein propagation in a mouse model of synucleinopathy.

Characterization of human midbrain organoids by flow cytometry: CelltypeR: A framework to identify and characterize cell types in human midbrain organoids using flow cytometry.

Lewybody like aggregates and USP19 inactivation in a mouse model: Genetic inactivation of the USP19 deubiquitinase regulates a-synuclein ubiquitination and inhibits accumulation of Lewy body like aggregates in mice.

Events

- **iPSC Seminar Series:**

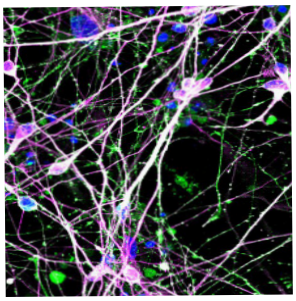
Thursday, March 30th 2022 at 11 am by zoom

More information to be announced soon on our website.

More details on the April and May seminars to follow on our website and social media.

Connect with us!

- Instagram
- LinkedIn
- Website
- Data portal



Happy winter!

Next issue will come in May!

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