

**Photo:** 95-day-old oligodendrocytes labeled in green for O4 and in red for the transcription factor sox10.

By Valerio Piscopo

# The Early Drug Discovery Unit (EDDU)

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

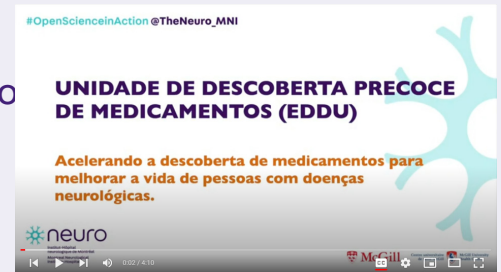
## Videos

- **Protocol videos:**

Our protocol videos are now available in Portuguese too

Click on the link below to check one of them out:

[Protocol for removing spontaneous differentiation](#)



- **Lab tour video:**

We now have a EDDU lab tour video!

Click [here](#) to watch it.



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## Publications

Click on the links below to read our latest publications

1. Primary cilia and neurons review: [Post-transcriptional and Post-translational Modifications of Primary Cilia: How to Fine Tune Your Neuronal Antenna](#)

2. Protein turnover in human iPSCs: [An Approach to Measuring Protein Turnover in Human Induced Pluripotent Stem Cell Organoids by Mass Spectrometry](#)

3. In vivo analysis of alpha-synuclein in Parkinson disease: [A light-inducible protein clustering system for in vivo analysis of alpha-synuclein aggregation in Parkinson disease](#)

4. FOXG1 role in cell proliferation in human forebrain progenitor cells: [FOXG1 dose tunes cell proliferation dynamics in human forebrain progenitor cells](#)

# Events

## APRIL

- **iPSC Seminar:**

Thursday, April 7th at 4 pm by zoom

Presentations by:

David and Chanshuai

Please register [here](#).

## MAY

- **iPSC Seminar:**

Thursday, May 12th at 4 pm by zoom

Presentations by:

Sarah Lépine and Travis Moore

(more details to come soon on our [webpage](#))

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## Awards and Grants

### Muscular Dystrophy Canada Grant

- Congrats to Tom, Maria and Lenore for receiving two years of funding from [Muscular Dystrophy Canada](#) to continue the work on “Building a screenable human 3D neuromuscular junction model for neuromuscular disorders”.



# Cell lines

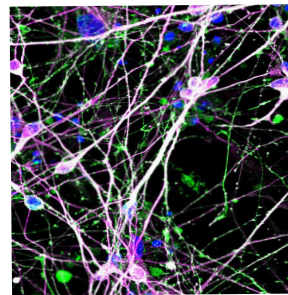
- We successfully generated CRISPR KO cell lines of [Ataxin-3 gene](#) in both HEK293 and U2OSn. Ataxin-3 is involved in Spinocerebellar ataxia 3 (SCA3).



[Antibody validation](#) was done in collaboration with the McPherson's lab.

## Connect with us!

- [Instagram](#)
- [LinkedIn](#)
- [Website](#)
- [Data portal](#)



**Next issue will come in June!**



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