

# The Neuro's Early Drug Discovery Unit (EDDU)

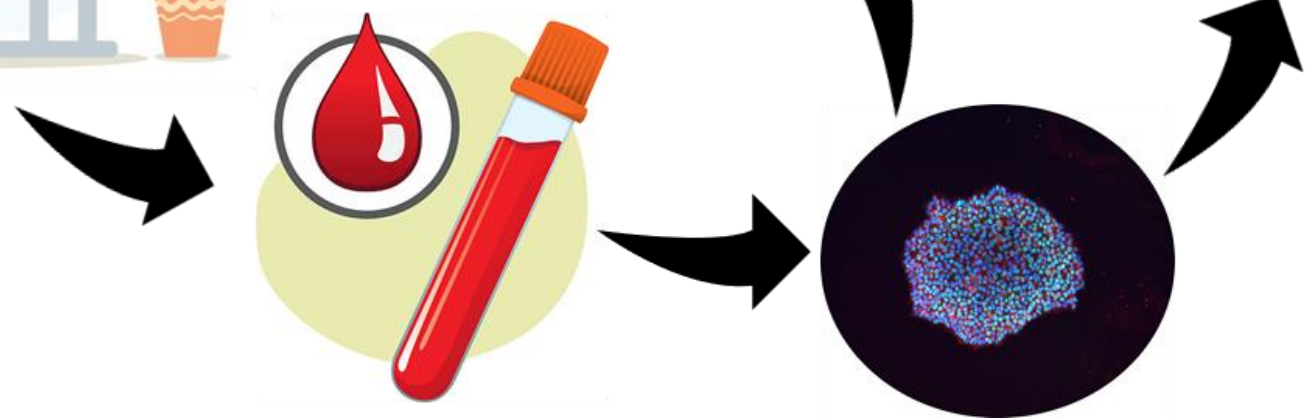
Thomas Durcan, PhD.

*Director, The Neuro's EDDU  
Associate Professor, The Neuro*

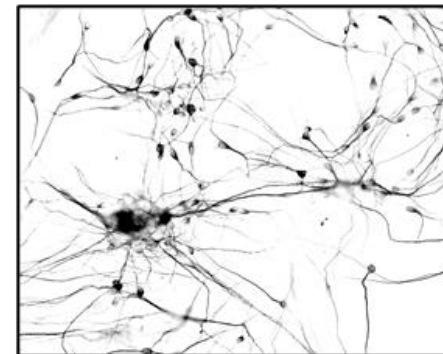


# Induced Pluripotent Stem cells

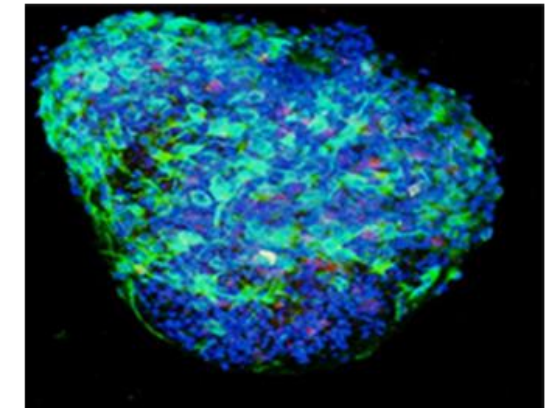
## From patients to human brain cells



2D neuronal  
and glial cells



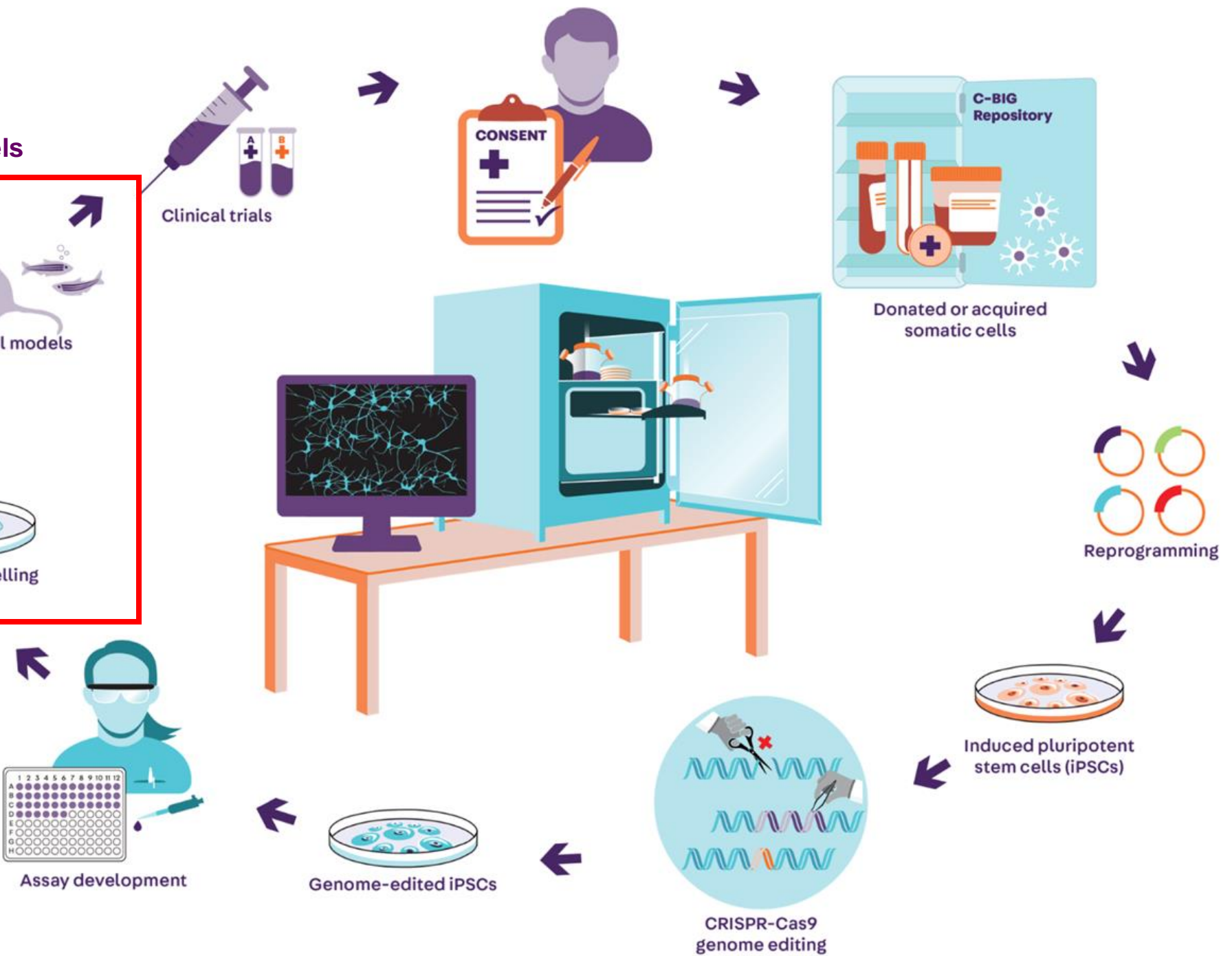
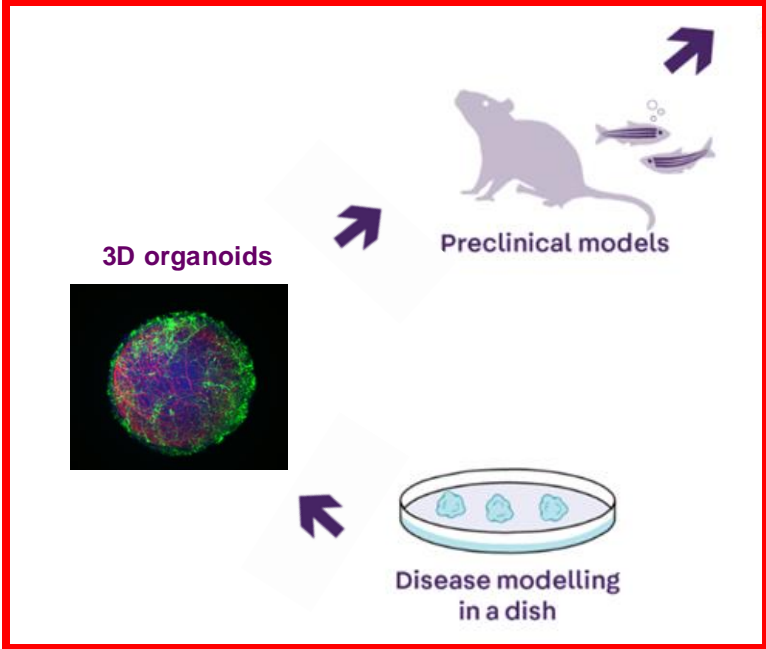
3D brain  
organoids/  
neurospheres



# Opening up the potential of iPSCs

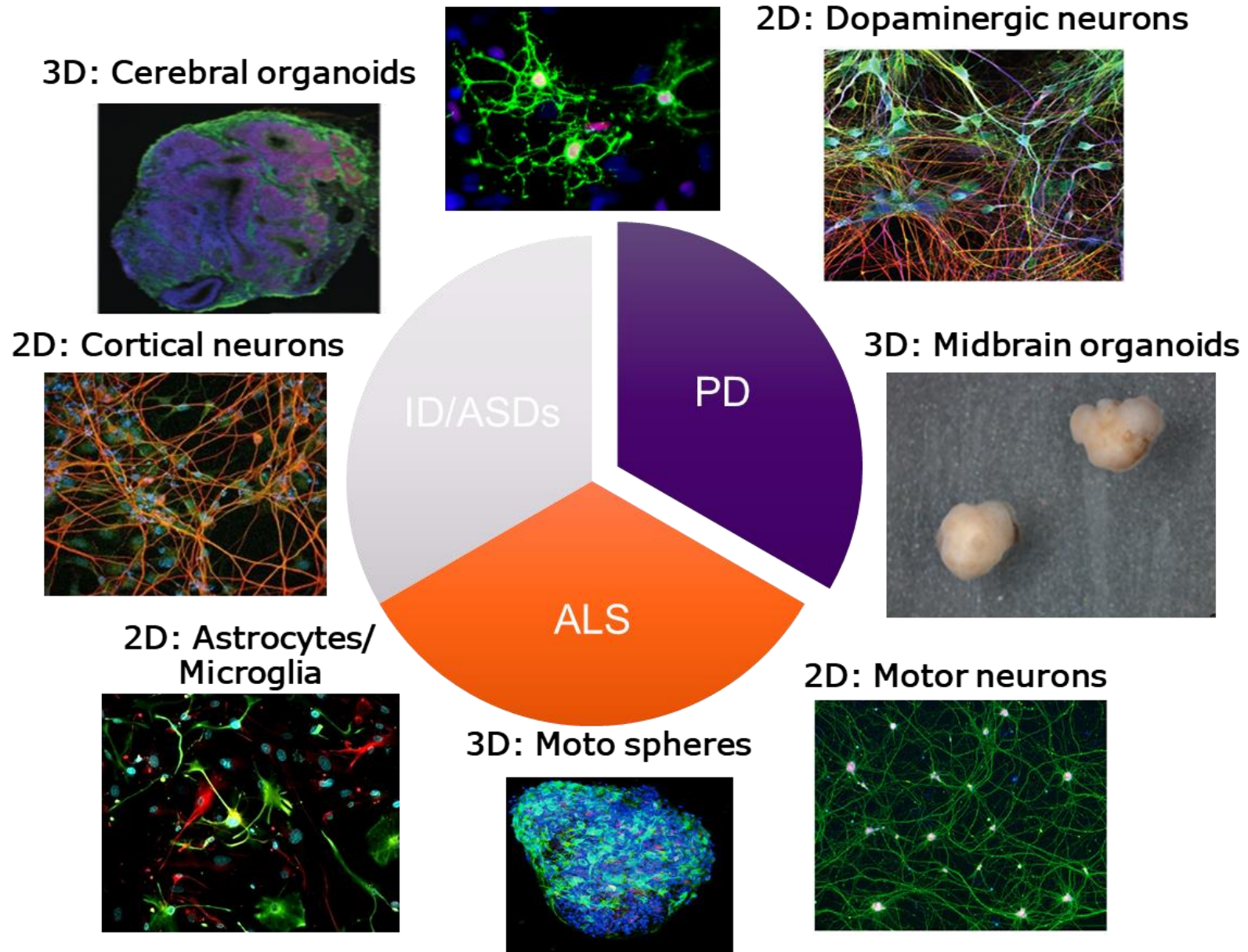
- Making our iPSCs accessible to all
- Training users how working with them
- Working with academics and industry to unlock the potential of iPSCs for discovery and translation with OS at the core

# Intersection of models





# Different CNS diseases>>> Different CNS cell types



# Making our methods accessible

- Established a database of >20 open protocols
- Development of new video protocols (35+ videos) for open sharing and training.

<https://www.neuro-edduportal.com/>

- Video translations across 4 languages with new videos and languages coming

<https://www.mcgill.ca/neuro/research/eddu/resources#videos>



# Progress since 2015

**35+**

Team members

**300+**

Users trained

**80+**

Academic collaborators

**140+**

iPSCs made

**50+**

Protocols and training videos

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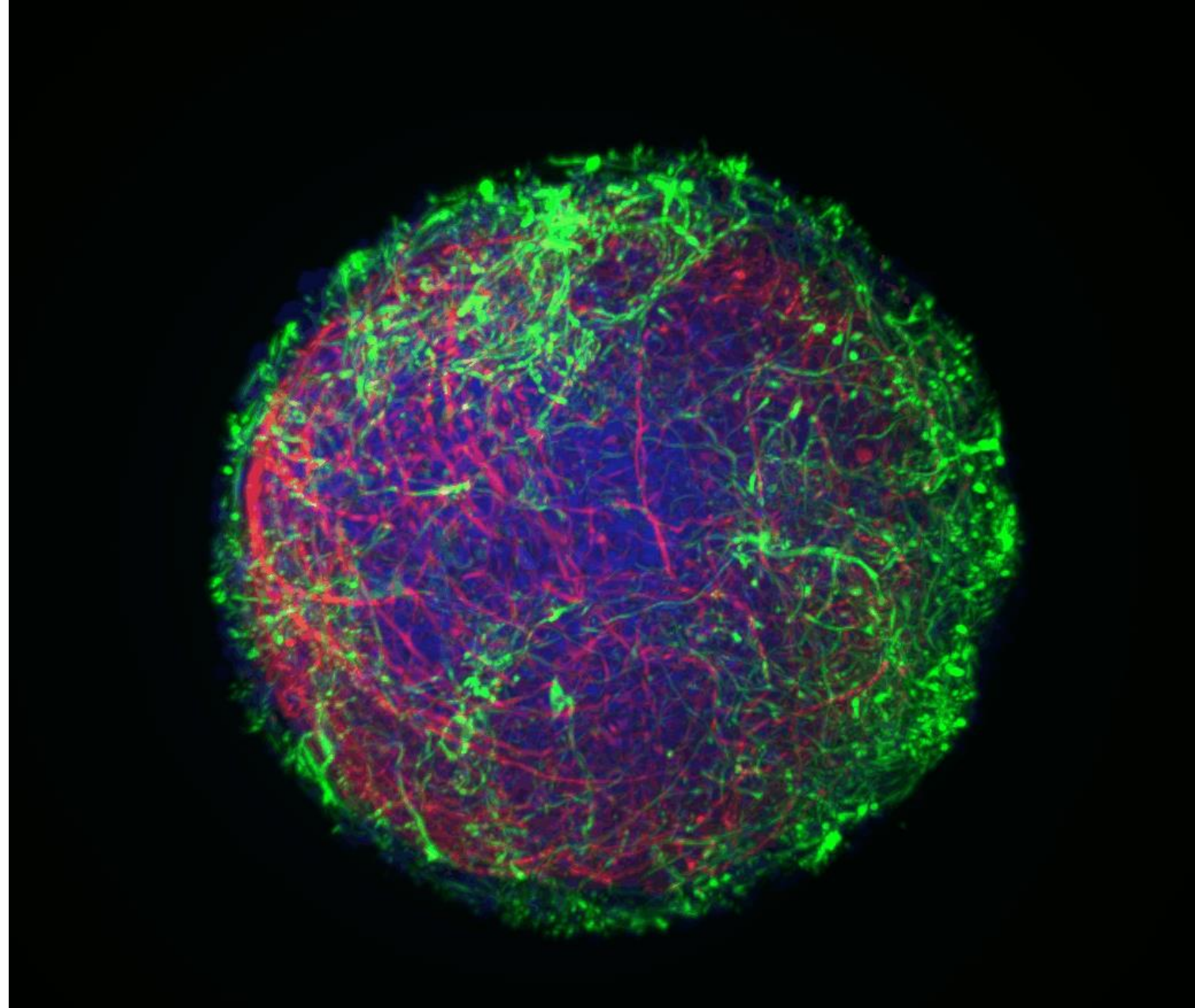
- 45+ Open Access peer reviewed publications
- 25+ industry partnerships
- > 90 Academic partnered projects
- 30k+ views/downloads of written methods/video protocols
- An in-house OS catalog of **160+ iPSCs**





# THANK YOU

QUESTIONS/COMMENTS



<https://www.mcgill.ca/neuro/research/eddu>