

Photo: Image, of the actin cytoskeleton of induced astrocytes visualized by Alexa488-conjugated phalloidin staining (green); Hoechst counterstaining (red).

By Vincent Soubannier

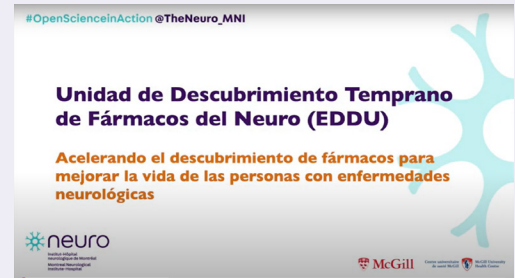
The Early Drug Discovery Unit (EDDU)

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

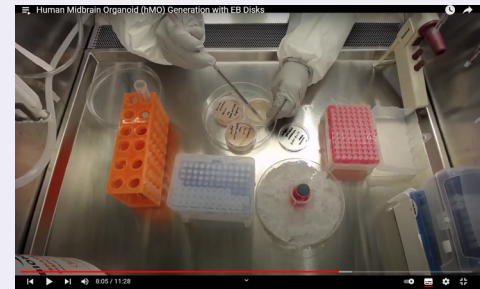
Videos

- **Protocol videos:**

1. Our protocol videos are now available in Spanish too! Click on the link below to check one of them out: [Tratamiento de platos de cultivo con Matrigel®](#)



2. We now have a human midbrain organoids protocol video! Click [here](#) to watch it.



Publications

Click on the links below to read our latest publications

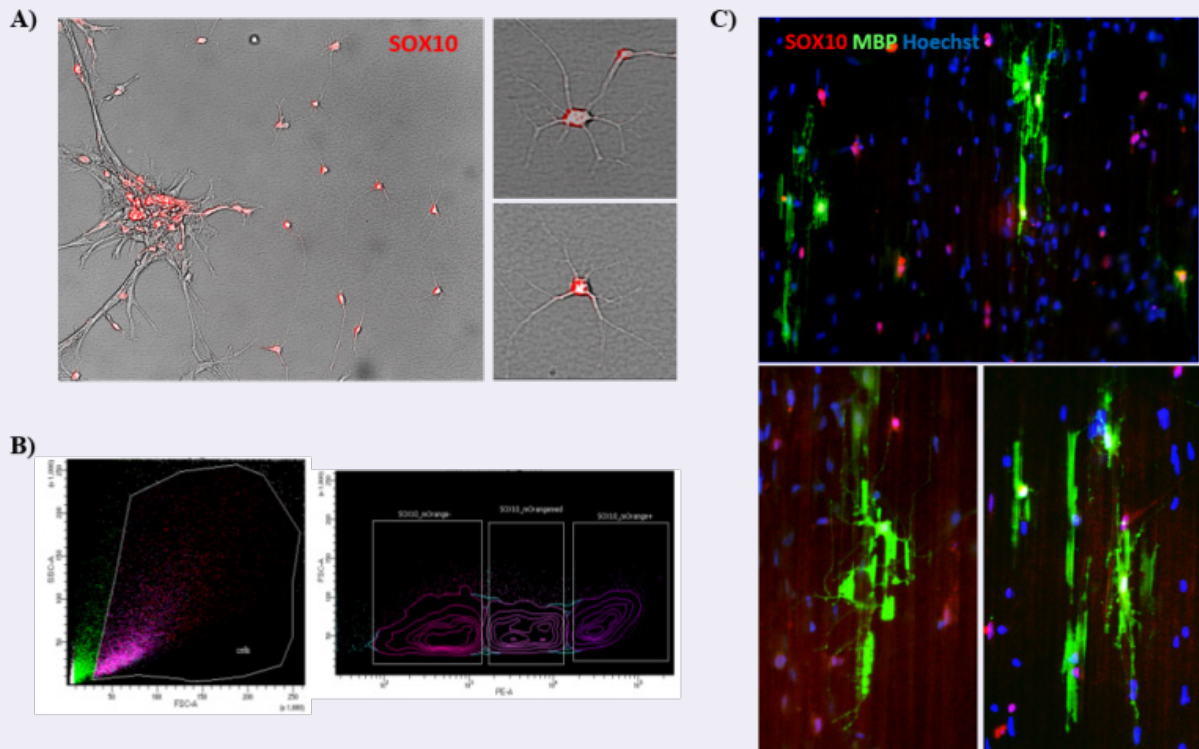
1. PINK1 and Parkin KO iPSC cells lines: [Generation of homozygous PRKN, PINK1 and double PINK1/PRKN knockout cell lines from healthy induced pluripotent stem cells using CRISPR/Cas9 editing](#)

2. TBK1 antibodies: [The identification of potent and selective antibodies for Serine/threonine-protein kinase TBK1, for use in immunoblot, immunofluorescence and immunoprecipitation](#)

3. PFF internalization mechanism: [Rapid macropinocytic transfer of alpha-synuclein to lysosomes](#)

Group announcements

- Our team was featured in the [MRM Insights](#) for our work in collaboration with Dr. Jack Antel's group with iPSC-derived oligodendrocytes.



Events

- **iPSC Seminar:**

Our iPSC seminars will be back in September.

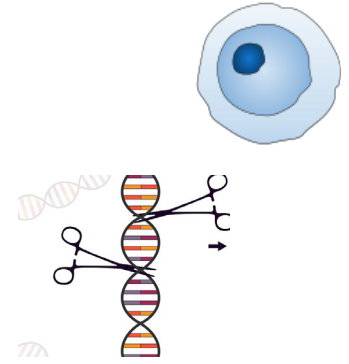
Methods & Protocols

- We recently updated two of our synuclein-related protocols:

1. [Quality Control Characterization of alpha-Synuclein Preformed Fibrils \(PFFs\)](#)
2. [Production of Recombinant alpha-Synuclein Monomers and Preformed Fibrils \(PFFs\)](#)

What's New - Cell lines

- We successfully generated CRISPR KO cell lines of [PRKN](#) and [PINK1](#) genes iPSCs. Both genes are involved in Parkinson's disease.

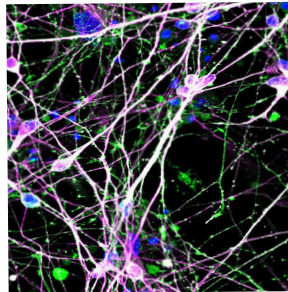


To learn more, read our paper:

[Generation of homozygous PRKN, PINK1 and double PINK1/PRKN knockout cell lines from healthy induced pluripotent stem cells using CRISPR/Cas9 editing](#)

Connect with us!

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- [Data portal](#)



Happy Summer!

Next issue will come in September!



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