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<https://www.biorxiv.org/content/10.1101/2023.03.01.530566v1>

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# Do, Q. B. et al. (2023) Early striatal hyperexcitability in an in vitro human striatal microcircuit model carrying the Parkinson's GBA-N370S mutation V.1

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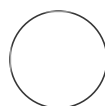
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## ABSTRACT

This collection contains eight protocols detailing methods used in Do, Q. B. *et al.* (2023) *Early striatal hyperexcitability in an in vitro human striatal microcircuit model carrying the Parkinson's GBA-N370S mutation.*

**Protocol status:** Working  
We use this collection and it's working

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## FILES

### Protocol



NAME

Expansion and maintenance of human induced pluripotent stem cells (iPSCs)

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NAME

Differentiation of human Dopamine Neurons (DaNs) from induced pluripotent stem cells (iPSCs)

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### Protocol



NAME

Differentiation of human cortical neurons (CNS) from induced pluripotent stem cells (iPSCs) and their coculture with rat astrocytes

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## Protocol



NAME

Differentiation of human medium spiny neurons (MSNs) from induced pluripotent stem cells (iPSCs)

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Immunocytochemistry of cultured human Medium Spiny Neurons (MSNs)

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Visualisation and quantification of dendritic spines in cultured human Medium Spiny Neurons (MSNs)

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