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Do, Q. B. & Nebuloni, F. et al. (2023) A fluid walled microfluidic platform for human neuronal microcircuits and axotomy. V.1

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ABSTRACT

This collection contains six protocols detailing methods used in Do, Q. B. & Nebuloni, F. et al. (2023) *A fluid walled microfluidic platform for human neuronal microcircuits and axotomy.*

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

Created: May 11, 2023

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COLLECTION integer ID:
81743

FILES

Protocol

NAME
Differentiation of human cortical neurons (CNs) from induced pluripotent stem cells (iPSCs)

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Protocol

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

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Protocol

NAME
Fabrication of fluid-walled dumbbells and generation of the human corticostriatal pathway

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Protocol

NAME

Automatic flow in fluid-walled dumbbells driven by Laplace pressure

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NAME

Localised axotomy of human Cortical Neurons (CNs) from induced pluripotent stem cells (iPSCs)

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NAME

Immunostaining of corticostriatal culture on fluid-walled dumbbells

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