

Nov 24, 2025

## Protocol collection - Engineering functional ventral midbrain dopaminergic neurons in human organoids through WNT modulation and bioreactor culture

DOI

<https://dx.doi.org/10.17504/protocols.io.6qpvrwjd3lmk/v1>

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Hariam Raji: Mechanisms and Therapy of Genetic Brain Diseases

michela.deleidi : Mechanisms and Therapy of Genetic Brain Diseases

Team Deleidi



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**Protocol status:** Working

**Created:** November 24, 2025

**Last Modified:** November 24, 2025

**Collection Integer ID:** 233358

**Keywords:** functional ventral midbrain dopaminergic neuron, human organoid, wnt modulation, bioreactor culture

## Abstract

Protocol collection - Engineering functional ventral midbrain dopaminergic neurons in human organoids through WNT modulation and bioreactor culture



## Files

### Protocol

NAME

**Dopamine measurement by HPLC**

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**MEA Recording of Electrical Activity in Brain Organoids**

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### Protocol

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**Dopamine measurement in midbrain organoids by HPLC**

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**Treatment of midbrain organoids with  $\alpha$ Syn-PFFs**

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