

# Generation and Assembly of Forebrain Spheroids

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## SUBJECT AREAS

*Biological techniques*

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## Abstract

Here we show the generation and assembly from human pluripotent stem (hPS) cells of subdomain-specific forebrain spheroids: human cortical spheroids (hCS) and human subpallial spheroids (hSS).

This protocol describes hPS cell maintenance, neural spheroid generation, patterning and assembly to obtain functionally-integrated human forebrain 3D cultures.

## Introduction

See "full article

file":[http://www.nature.com/protocolexchange/system/uploads/5563/original/Assembly\\_Forebrain\\_Spheroids\\_Protocol\\_Exchange.docx?1492438618](http://www.nature.com/protocolexchange/system/uploads/5563/original/Assembly_Forebrain_Spheroids_Protocol_Exchange.docx?1492438618).

## Procedure

See "full article

file":[http://www.nature.com/protocolexchange/system/uploads/5563/original/Assembly\\_Forebrain\\_Spheroids\\_Protocol\\_Exchange.docx?1492438618](http://www.nature.com/protocolexchange/system/uploads/5563/original/Assembly_Forebrain_Spheroids_Protocol_Exchange.docx?1492438618).

## Supplementary Files

This is a list of supplementary files associated with this preprint. Click to download.

[Assembly\\_Forebrain\\_Spheroids\\_Protocol\\_Exchange.docx](#)

## **Assembly of functionally integrated human forebrain spheroids**

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