protocols.io

iPSC Cortical Differentiation

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Working

Neurodegeneration Method Development Community
Tech. support email: **ndcn-help@chanzuckerberg.com**

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ABSTRACT

All methods described in this collection should be performed using sterile technique.

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Jiang et al Translational Psychiatry 2018

PDF

IPSC CORTICAL
DIFFERENTIATION
022017.pdf

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

Collection protocols

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Preparation of feeder-free iPSCs culture **by Celeste Karch,** **Washington University in St Louis**		RUN
Neural aggregate formation **by Celeste Karch,** **Washington University in St Louis**		RUN
Preparation of tissue culture plates for neural rosettes and neural progenitors **by Celeste Karch,** **Washington University in St Louis**		RUN
Neural Rosette Formation and Selection **by Celeste Karch,** **Washington University in St Louis**		RUN

	Neural rosette banking **by Celeste Karch,** **Washington University in St Louis**	**RUN**

	Neural progenitor expansion **by Celeste Karch,** **Washington University in St Louis**	**RUN**

	Neural progenitor banking **by Celeste Karch,** **Washington University in St Louis**	**RUN**

	Thawing Rosettes and NPC **by Celeste Karch,** **Washington University in St Louis**	**RUN**

	Differentiation of NPC into cortical neurons **by Celeste Karch,** **Washington University in St Louis**	**RUN**