



Module 3 Resource List: Generation of Oligodendrocytes From iPS Cells

The resources below were selected by Hiroko Nobuta, faculty from Module 3 of Stem Cells and Reprogramming Methods for Neuroscience: An SfN Training Series. These resources supplement their presentation, "Generation of Oligodendrocytes From iPS Cells."

[Generation and Isolation of Oligodendrocyte Progenitor Cells From Human Pluripotent Stem Cells](#)

[Efficient Generation of Myelinating Oligodendrocytes From Primary Progressive Multiple Sclerosis Patients by Induced Pluripotent Stem Cells](#)

[Neonatal Chimerization With Human Glial Progenitor Cells Can Both Remyelinate and Rescue the Otherwise Lethally Hypomyelinated Shiverer Mouse](#)

[Generation of Oligodendroglial Cells by Direct Lineage Conversion](#)

[Induction of Myelinating Oligodendrocytes in Human Cortical Spheroids](#)

[Differentiation and Maturation of Oligodendrocytes in Human Three-Dimensional Neural Cultures](#)

These papers introduce various methods of oligodendrocyte generation. The Douvaras & Fossati paper is used in the detailed description in the video.

[Paracentesis Incision Knives](#)

This link is an example of commercially available microdissection blade suggested in the video. The suggested item is product code 72-2201.



Suggested Antibodies

Antibodies	Company	Catalog
SOX1	R&D	AF3369
PAX6	Developmental Studies Hybridoma Bank	Pax6
OLIG2	Millipore Sigma	AB9610
NKX2.2	Developmental Studies Hybridoma Bank	74.5A5
O4	Millipore Sigma or Mouse hybridoma	MAB345
HOXB4	Developmental Studies Hybridoma Bank	I12
STEM121	Clontech	Y40410
STEM101	Clontech	Y40420