



Module 3 Resource List: Deriving Human Astrocytes From Pluripotent Stem Cells

The resources below were selected by Jason Tchieu, faculty from Module 3 of Stem Cells and Reprogramming Methods for Neuroscience: An SfN Training Series. These resources supplement their presentation, "Deriving Human Astrocytes From Pluripotent Stem Cells."

[Specification of Transplantable Astroglial Subtypes From Human Pluripotent Stem Cells](#)

[An Efficient Platform for Astrocyte Differentiation From Human Induced Pluripotent Stem Cells](#)

[Fast Generation of Functional Subtype Astrocytes From Human Pluripotent Stem Cells](#)

[Rapid and Efficient Induction of Functional Astrocytes From Human Pluripotent Stem Cells](#)

[NFIA is a Gliogenic Switch Enabling Rapid Derivation of Functional Human Astrocytes From Pluripotent Stem Cells](#)

[Human Stem Cell-Derived Spinal Cord Astrocytes With Defined Mature or Reactive Phenotypes](#)

These papers introduce various methods of astrocyte generation. The Krencik and Tchieu papers are used in the detailed description in the video.

Suggested Antibodies

Antibodies	Company	Catalog	Dilution
Chicken anti-GFAP	Biolegend	829401	1:2000
Rabbit anti-GFAP	DAKO	Z0334	1:1000
Rabbit anti-NFIA	Sigma	HPA006111	1:1000
Rabbit anti-S100	DAKO	Z0311	1:500
Guinea Pig anti GLT-1	EMD	AB1783	1:500