



Module 3 Resource List: Generation and Use of iPS-Derived Microglia

The resources below were selected by Mathew Blurton-Jones, faculty from Module 3 of Stem Cells and Reprogramming Methods for Neuroscience: An SfN Training Series. These resources supplement their presentation, “Generation and Use of iPS-Derived Microglia.”

[iPSC-Derived Human Microglia-Like Cells to Study Neurological Diseases](#)

This study shows that human microglial-like cells can be differentiated from iPSCs to study their function in neurological diseases such as Alzheimer’s.

[Development and Validation of a Simplified Method to Generate Human Microglia From Pluripotent Stem Cells](#)

This study demonstrates a simplified approach to generating large numbers of highly pure human microglia.

[Modeling Microglial Function With Induced Pluripotent Stem Cells: An Update](#)

This article reviews recent advances in microglia generation from iPSCs.

[Microglia and Brain Macrophages in the Molecular Age: From Origin to Neuropsychiatric Disease](#)

This article reviews microglia gene expression signatures and function.

[Microglia Emerge as Central Players in Brain Disease](#)

This publication provides a review of recent discoveries on microglial function and dysfunction in CNS disorders.