

Faculty Name:

Gordana Vunjak-Novakovic

Faculty Email:

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Lab:

Laboratory for Stem Cells and Tissue Engineering

Project Title:

Investigating mechanisms underlying HNRNPH2-Related Neurodevelopmental Disorder (Bain Syndrome) an Ultra-Rare Genetic Brain Disorder.

Description:

The goal of this summer project is to rigorously characterize the generated mutant iPSC lines and their isogenic controls to model HNRNPH2 Related Neurodevelopmental Disorder. We hypothesize that the mutant lines will display defects in neuronal differentiation, and/or functional neural network communication. This summer project will be a critical component to discover novel biomarkers that may be used as targets in future therapeutic intervention for this monogenetic disorder.

Location of Research:

On-Site

of hrs/week:

35

Department/Program:

Biomedical Engineering

Eligibility:

MS

To apply, please contact:

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