Nuri Smith

Donnell Award

Ph.D. Candidate, Genetics and Molecular Biology

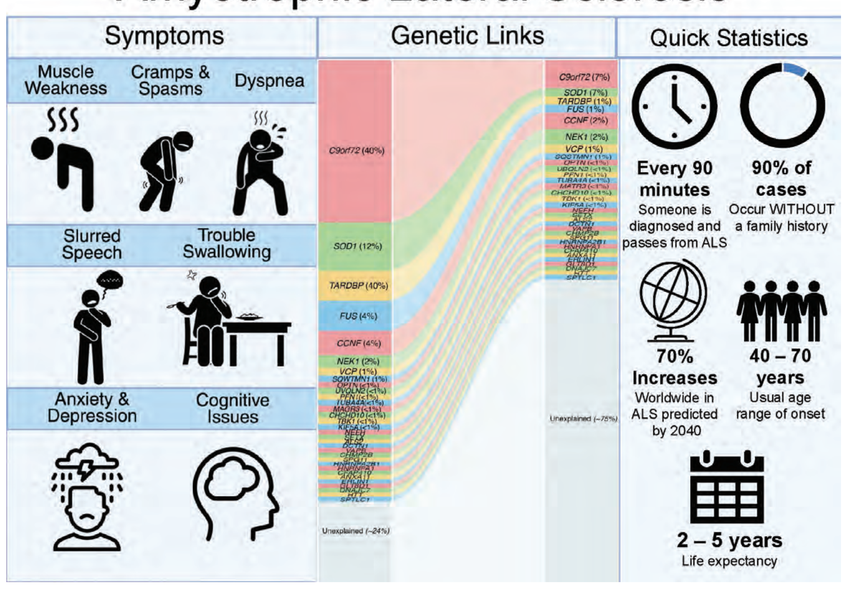
Second Year ARCS Scholar

EMORY UNIVERSITY

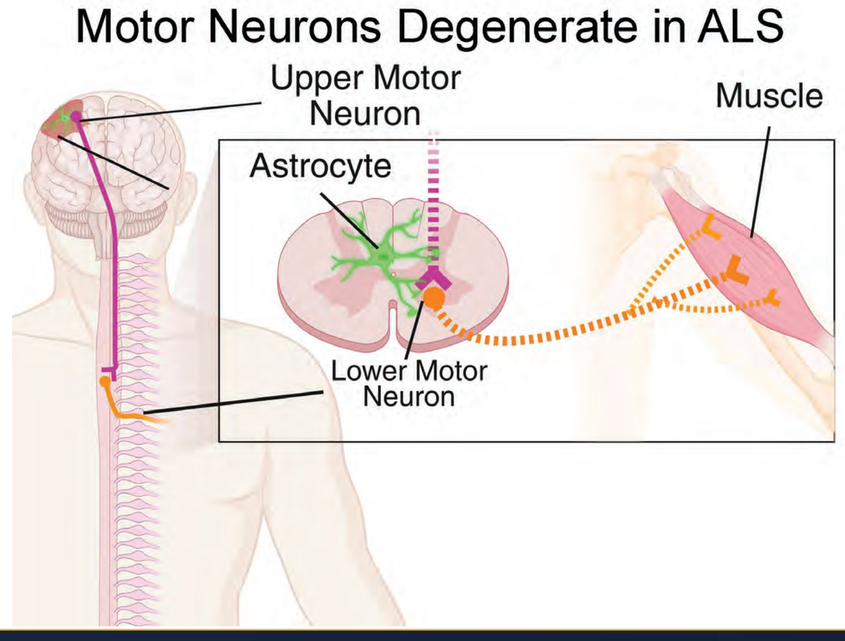
Using Spinal Cord Organoids to Investigate the Selective Vulnerability of Motor Neuron in Amyotrophic Lateral Sclerosis

Motor Neurons are selectively degraded in Amyotrophic Lateral Sclerosis. I aim to understand the transcriptional and functional alterations that lead to their degeneration.

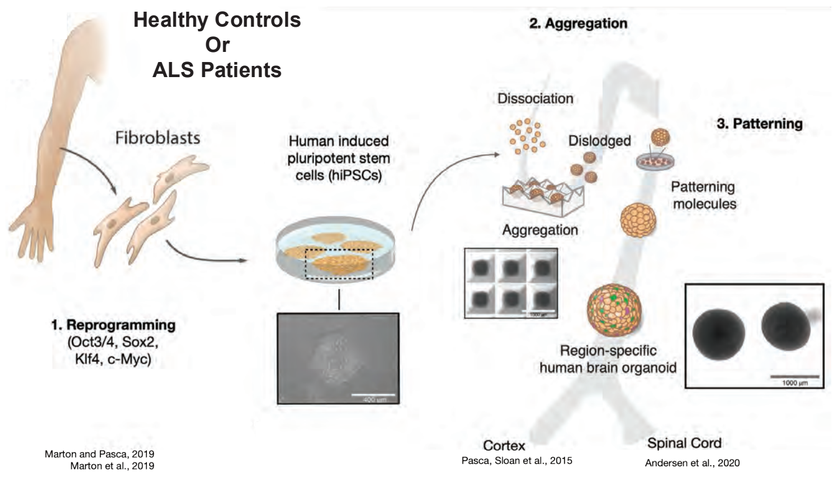
Amyotrophic Lateral Sclerosis



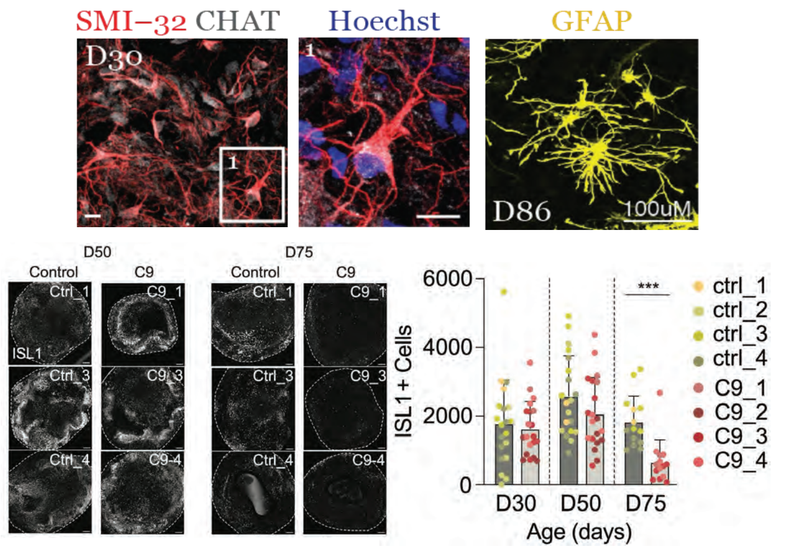
Motor Neurons Degenerate in ALS



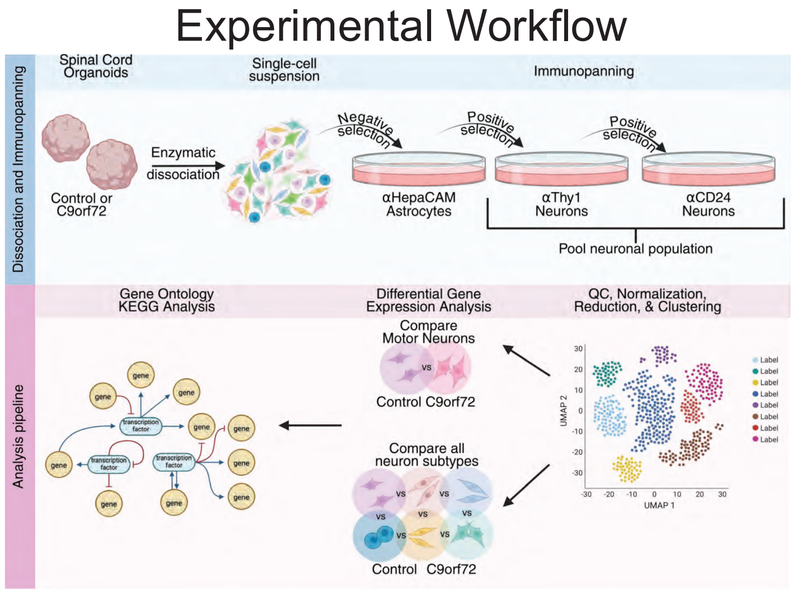
How Spinal Cord Organoids Are Made



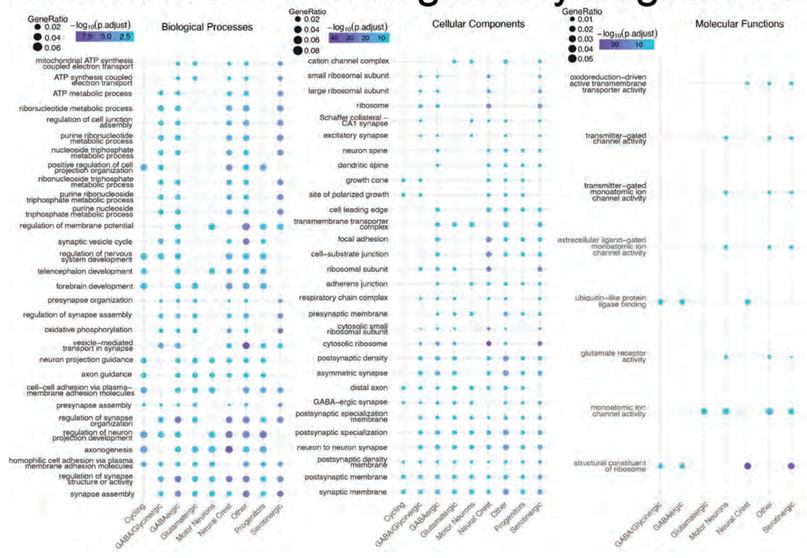
Spinal Cord Organoids Model ALS



Experimental Workflow



Neurons show Biological Dysregulation



Scholar Awards Celebration

November 12, 2025

SCHOLAR AWARDS CELEBRATION ARCS® FOUNDATION ATLANTA

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