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Donnell Award

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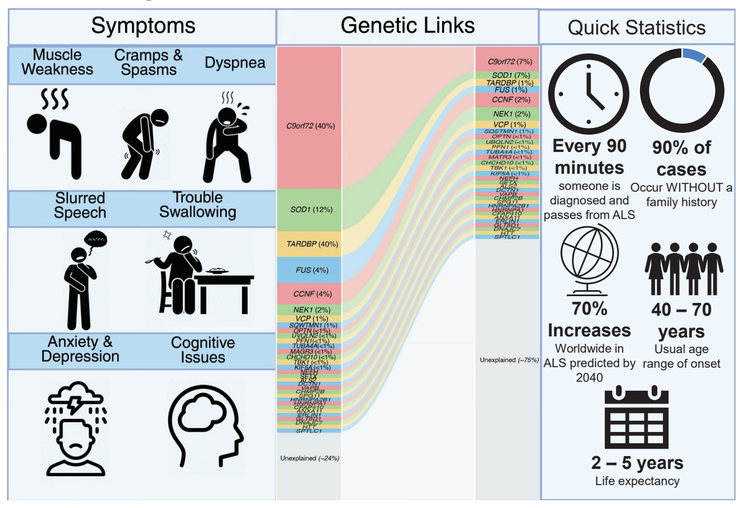
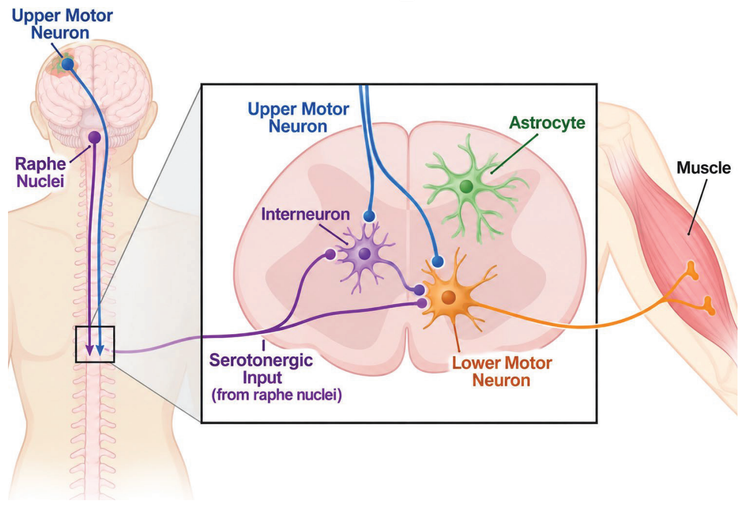
Using Spinal Cord Organoids To Investigate Cell Type Vulnerability in Amyotrophic Lateral Sclerosis

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

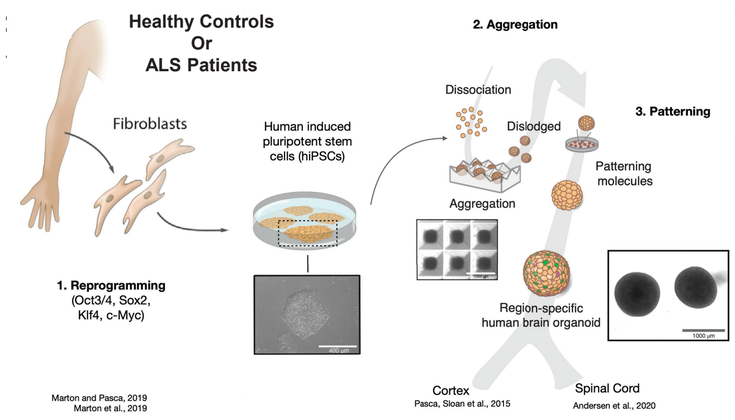
Amyotrophic Lateral Sclerosis



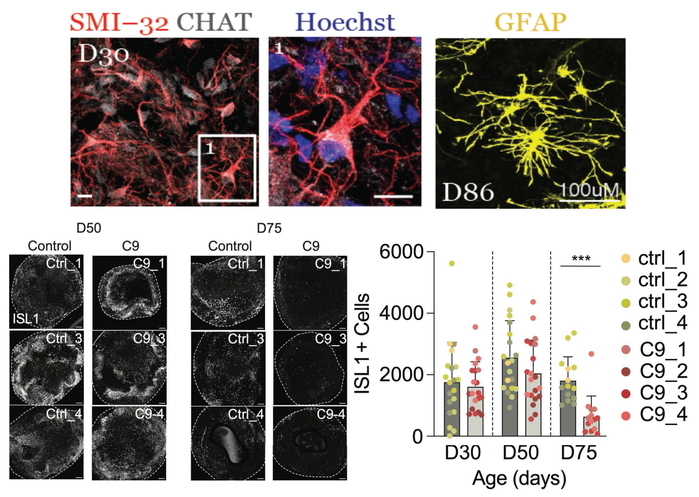
Motor Neurons Degenerate in ALS



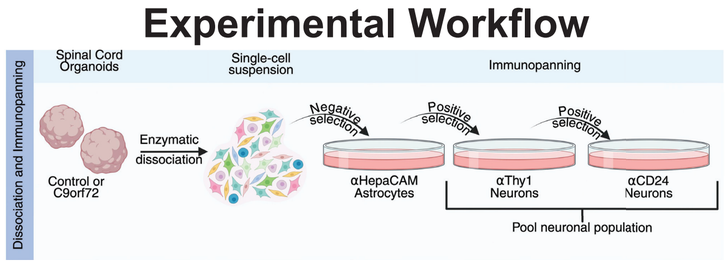
How Spinal Cord Organoids Are Made



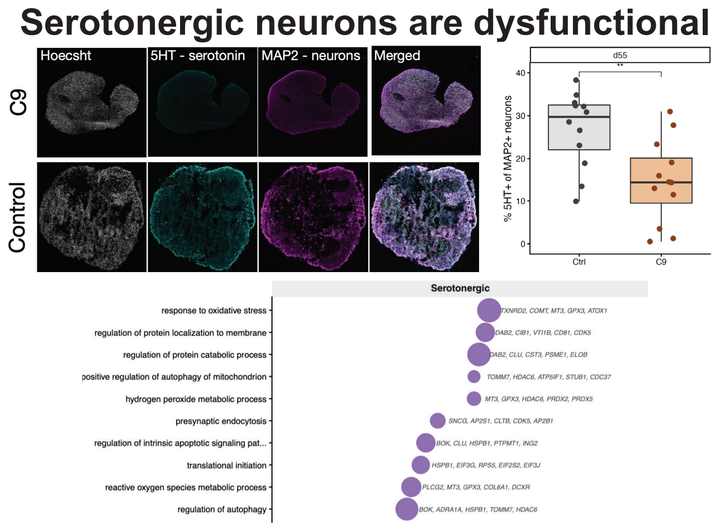
Spinal Cord Organoids Model ALS



Experimental Workflow



Serotonergic neurons are dysfunctional



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