

Lay summary - Understanding the role of USP15 in neuronal subtype development

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The mammalian brain is a complex system of brain cells that controls vital functions such as consciousness, learning, memory, and more. Sometimes, certain brain cells don't develop properly, which can lead to neurodevelopmental disorders in humans. Our proposed studies will employ cutting-edge molecular and genetic approaches to explore what ensures these brain cells develop as they should. This knowledge will help us learn more about the causes of a rare neurodevelopmental disorder in some people and potentially find ways to improve their health.