

Internal Webinar

Effect of G4 RNAs in breaking the pathological aggregates of TDP-43 protein responsible for amyotrophic lateral sclerosis

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Amyotrophic lateral sclerosis is a deadly neurodegenerative disorder resulting in muscular dystrophy. The main cause of this disease is pathological aggregates of TDP-43 protein forms due to dysregulation in liquid-liquid phase separation of these proteins. In this study we purified recombinant TDP-43 proteins and its variants, and induced in-vitro aggregation in these proteins. Further we understood the effect of various RNAs on pathological aggregates of TDP-43 and its variants.

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