Development of a Novel Fusion Protein, JUV-161, that Enhances Muscle Regeneration for **Treatment of Myotonic Dystrophy Type 1**



MAPK/ERK and PI3K/AKT regenerative cascades. These pathways are the major signaling mediators in skeletal muscle to enhance myogenesis, muscle survival, metabolism, and strength.

distal muscle wasting and RNA foci accumulation in impacted tissue.

with mouse PK profiling reflected potential clinical translatability of the preclinical results obtained in the DM1 mouse therapeutics is planning to evaluate the potential therapeutic benefit of JUV-161 in adult-onset DM1 patients in 2024. together with faster walk speeds and reduced fall rates, in adult-onset DM1 patients.



Hee-Ju Kim¹, Zhihua Li¹, Rohit R. Jadhav¹, Ashil Koranne¹, Han Song¹, Trang Vuong¹, Mohammad A. Tabrizi¹, Jeremy D. O'Connell¹, Hanadie Yousef¹ ¹Juvena Therepeutics, Redwood City, CA. juvenatherapeutics.com