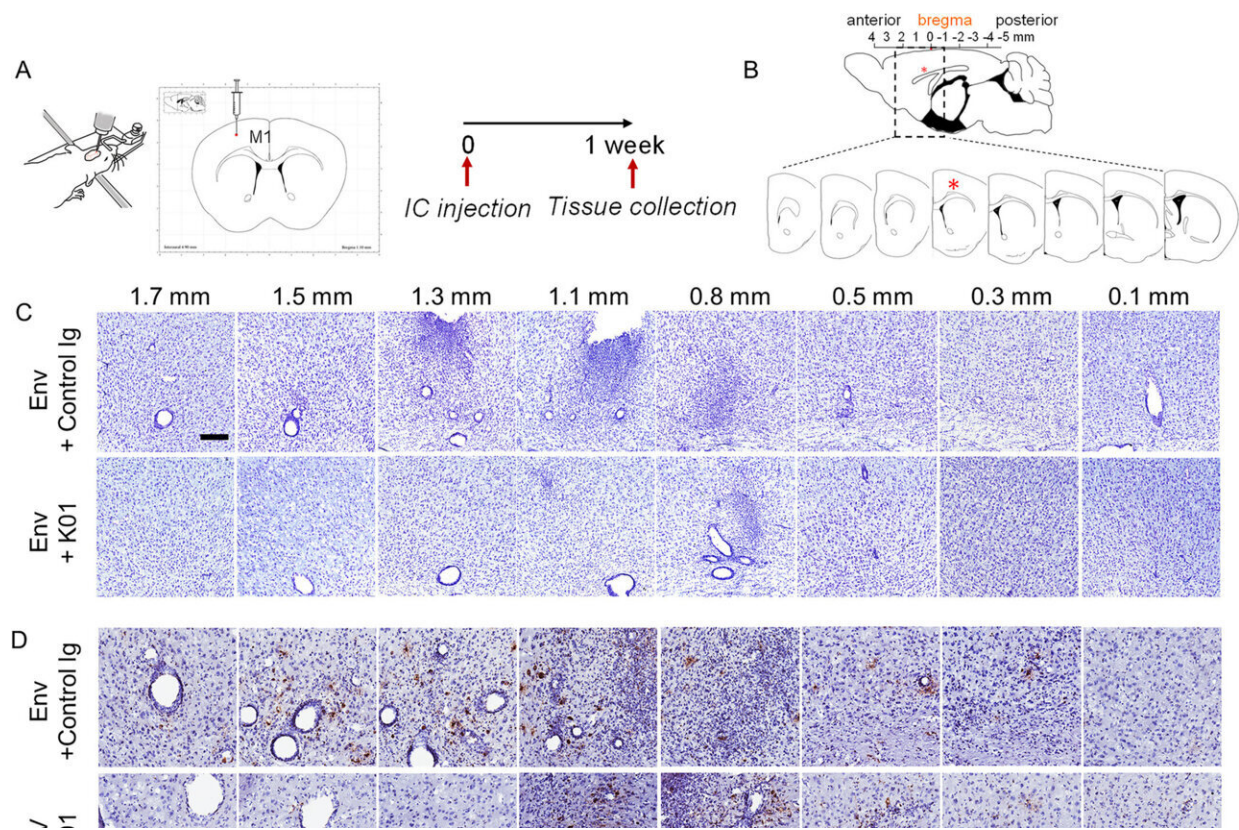


Researchers identify possible treatment target for a type of sporadic ALS

August 31 2022



HML-2 envelope (Env)-induced neurotoxicity in vivo in mouse brain. (A) Experimental approach showing stereotactic injection of Env protein and K01 antibody or Env protein and control Ig into the primary motor cortex of 3-month-old C57BL/6 mice. Brain tissues were collected 1 week after the injection. IC = intracerebral. (B) Schematic representation of the reference sections used for analysis. Coronal sections at 200- 300 μ m intervals were used for staining. The asterisk represents injection coordinates to target the primary motor cortex. (C, D) Representative photomicrographs of Cresyl violet (C) and deoxyuridine

triphosphate nick-end labeling (TUNEL; D) stained motor cortex. The numbers above each image indicate the distance between the section plane and bregma. (E, F) Bar graphs represent lesion volume (E) and number of TUNEL-positive cells (F). Results were analyzed by analysis of variance and pairwise analysis with Tukey multiple comparison test. *p

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