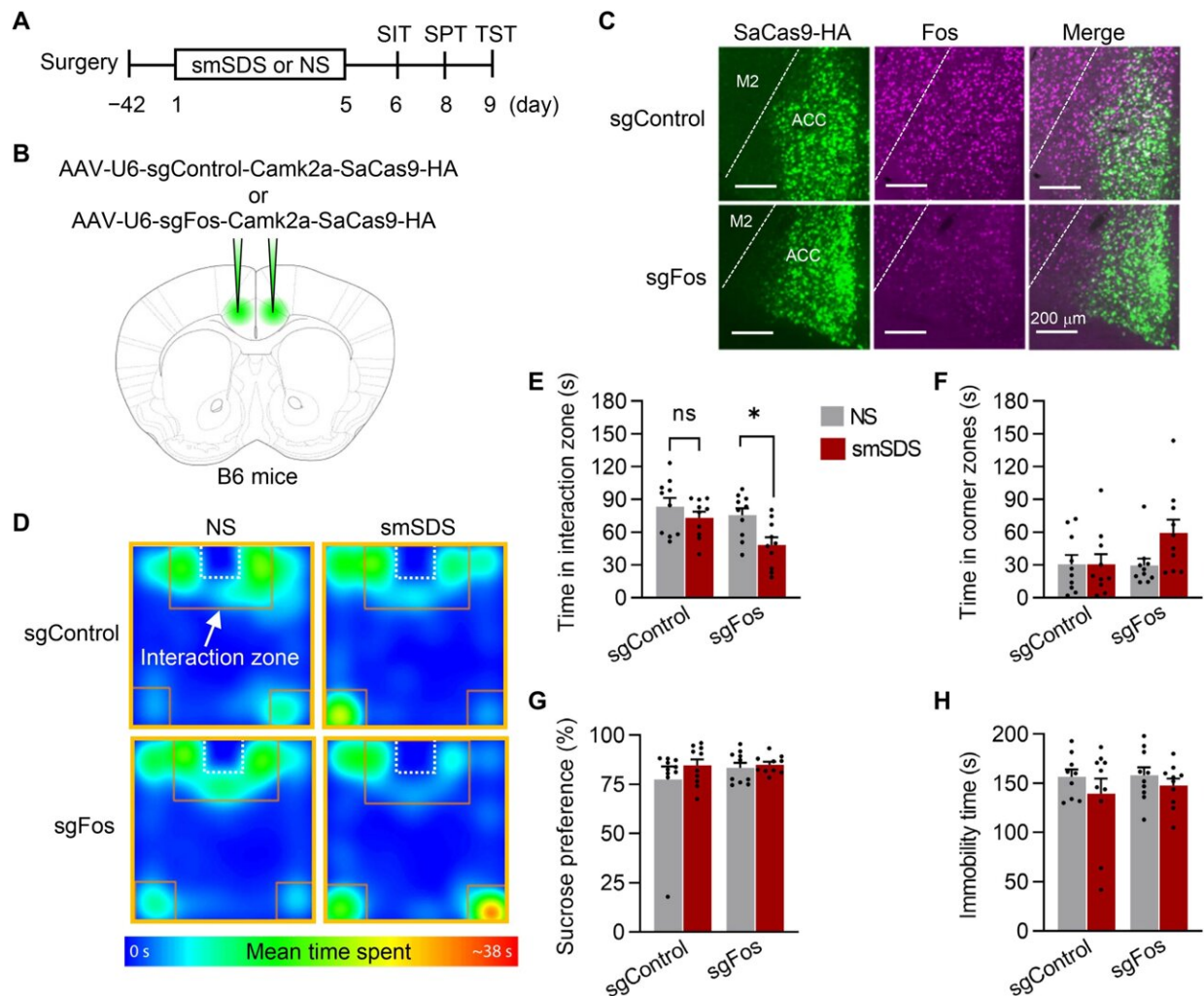


# Fos levels in mouse brain linked to degree of susceptibility to depression from stress

April 6 2023, by Bob Yirka



Fos knockdown in ACC glutamatergic neurons induces strain-dependent differences in stress vulnerability and social behavior deficits. (A) The experimental design for behavioral testing. (B) AAV microinjection into the ACC. (C) Immunohistochemical staining confirms knockdown of the Fos

protein in SaCas9-HA-expressing glutamatergic neurons of the ACC of B6 mice injected with AAV-U6-sgFos-Camk2a-SaCas9-HA. Scale bars, 100  $\mu\text{m}$ . (D to F) Representative heatmaps (D), the time in the interaction zone (E) (two-way ANOVA, stress,  $F_{1,36} = 7.539$ , P

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