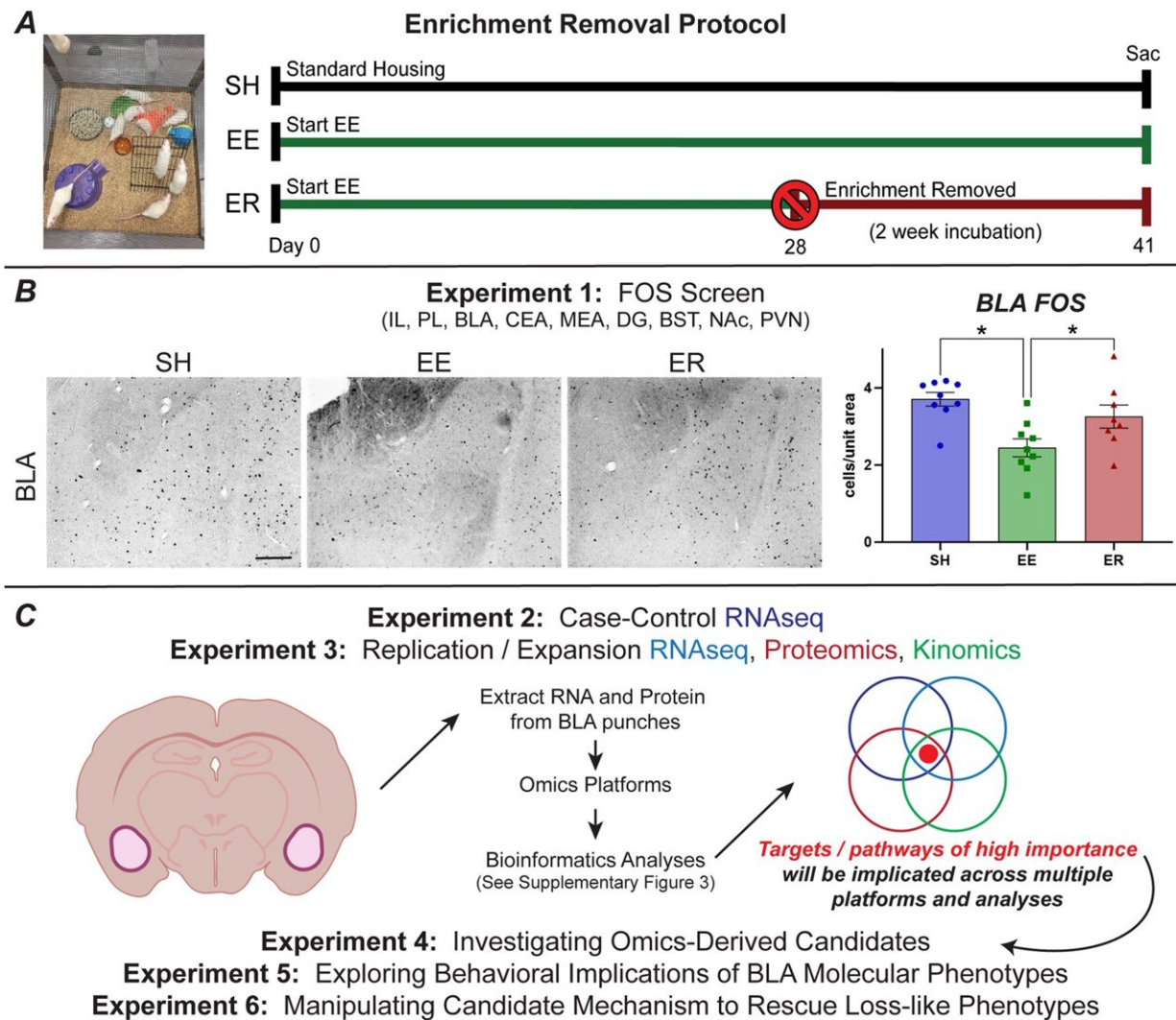


# Study identifies key region of the brain as a molecular target to lessen the impact of loss

September 21 2023, by Bill Bangert



Experimental background and overview. A Example of environmental enrichment (EE), and timeline for standard enrichment removal (ER) protocol. B Representative images of the BLA from initial Fos IHC screen and

quantification (SH n = 9, EE n = 9, ER n = 8; scale bar = 100  $\mu$ m). C Outline for omics and follow-up studies. Experiments 2 and 3 utilized multi-omics in tandem with a number of complementary bioinformatics analyses to explore the molecular landscape of the BLA following ER. Experiments 4 and 5 further explored the candidate mechanisms that emerged from these analyses, as well as their role in ER behavioral phenotypes, to expand our understanding of novel mechanisms that underlie loss. Experiment 6 explores manipulating the molecular mechanisms identified here in an attempt to rescue the loss-like behavioral phenotypes generated by ER. \* = p

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