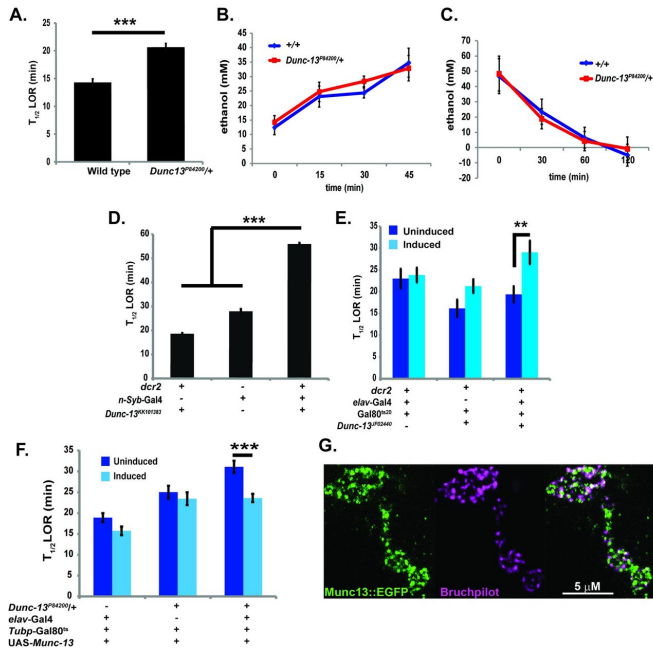


How bingeing creates alcohol tolerance in flies

4 June 2018



A. The *Dunc13P84200/+* heterozygotes require a greater time to reach 50% loss-of-righting ($T_{1/2}$ LOR) reflex levels. (***) $p < 0.05$, $n = 6$). C. The ability of *Dunc13P84200/+* and control flies to metabolize ethanol was determined by first exposing flies to ethanol vapor for 45 min, and then by measuring the ethanol remaining in the flies 0, 30, 60, 120 min after the exposure. No significant differences in ethanol metabolism were detected at each time point ($t = 0.037$, $p > 0.05$, $n = 6$). D. The neural expression of the *Dunc13KK101383* RNAi transgene led to significantly slower $T_{1/2}$ LOR compared to the genotype controls (***) $p < 0.05$, $n = 6$).

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