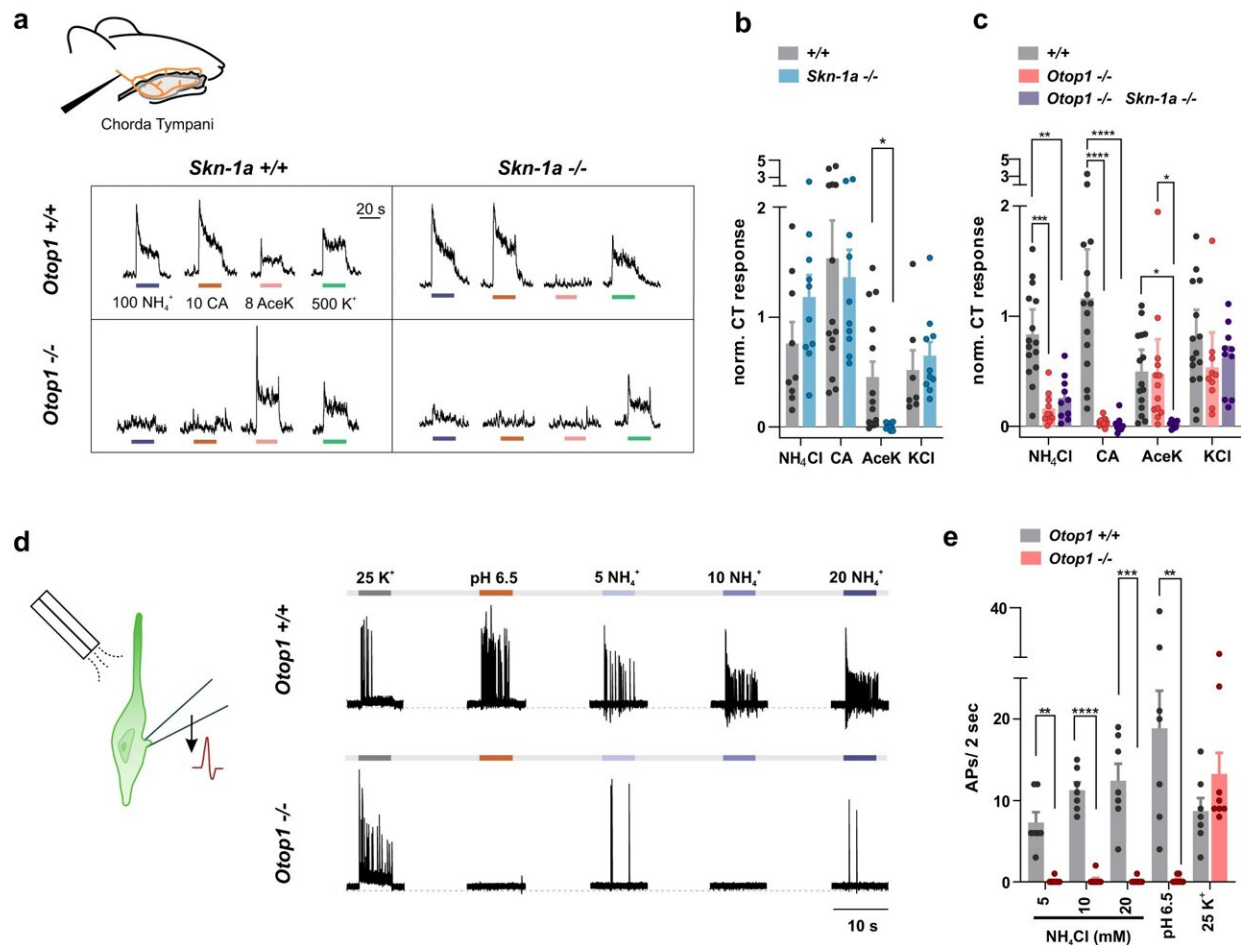


Scientists unlock the secrets of a sixth basic flavor

October 5 2023



Type III TRCs respond to ammonium chloride in an OTOPI-1-dependent manner.

a Representative traces of chorda tympani (CT) responses from wild-type ($Otop1^{+/+} Skn-1a^{+/+}$), $Otop1^{-/-}$, $Skn-1a^{-/-}$, and $Otop1^{-/-} Skn-1a^{-/-}$ double knockout mice to application to the anterior tongue of 100 mM NH_4Cl , 10 mM citric acid (CA), 8 mM AceK and 500 mM KCl. **b**, **c** Average data (mean \pm

SEM) and scatterplot of normalized CT response from mouse strains as indicated in response to taste stimuli from experiments as in **a**. Statistics significance was determined by two-way ANOVA with Bonferonni correction for multiple comparisons. * p

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