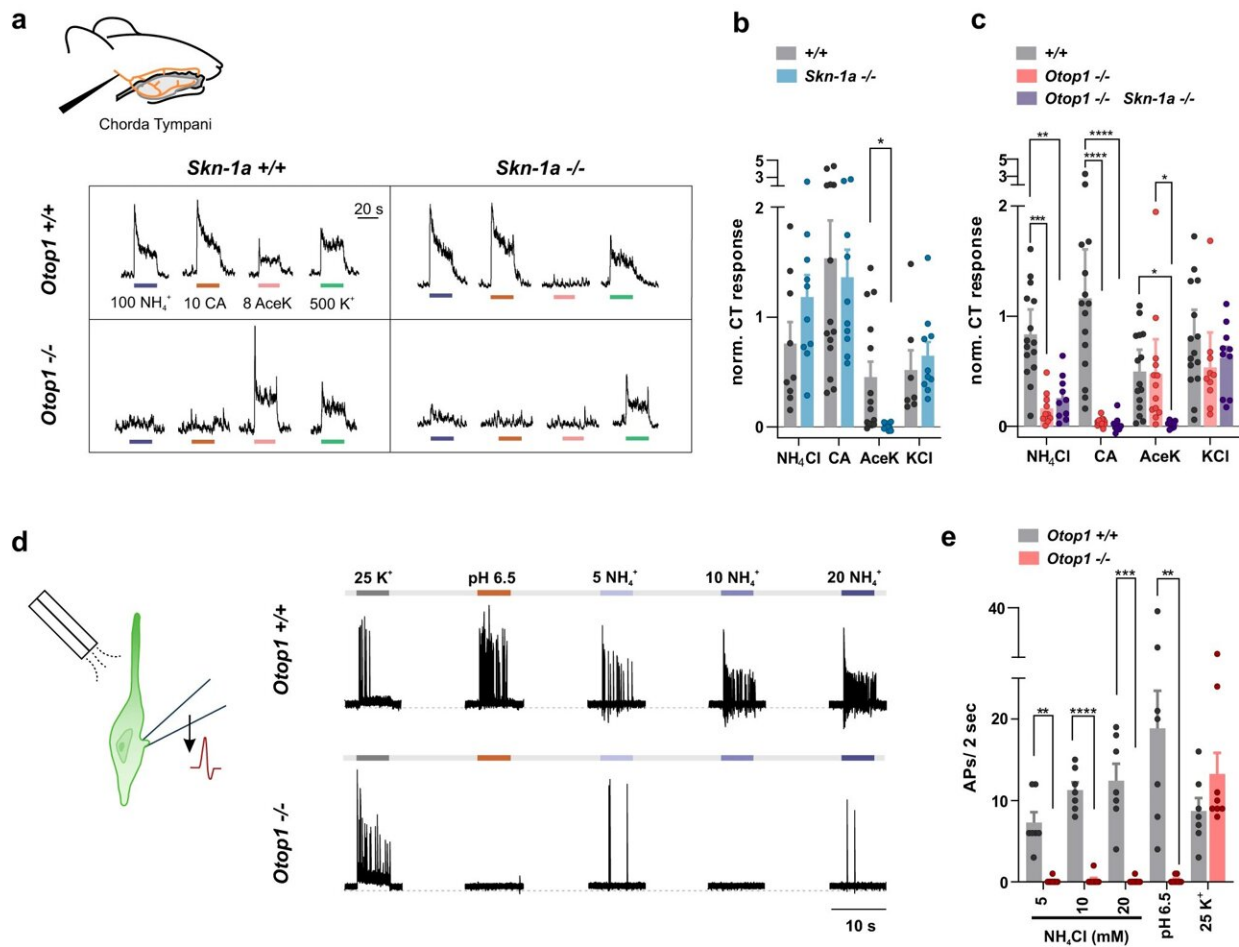


Scientists unlock the secrets of a sixth basic flavor

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 NH₄Cl, 10 mM citric acid (CA), 8 mM AceK and 500 mM KCl. **b**, **c** Average data (mean ±

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

Citation: Scientists unlock the secrets of a sixth basic flavor (2023, October 5) retrieved 27 April 2024 from <https://phys.org/news/2023-10-scientists-secrets-sixth-basic-flavor.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.