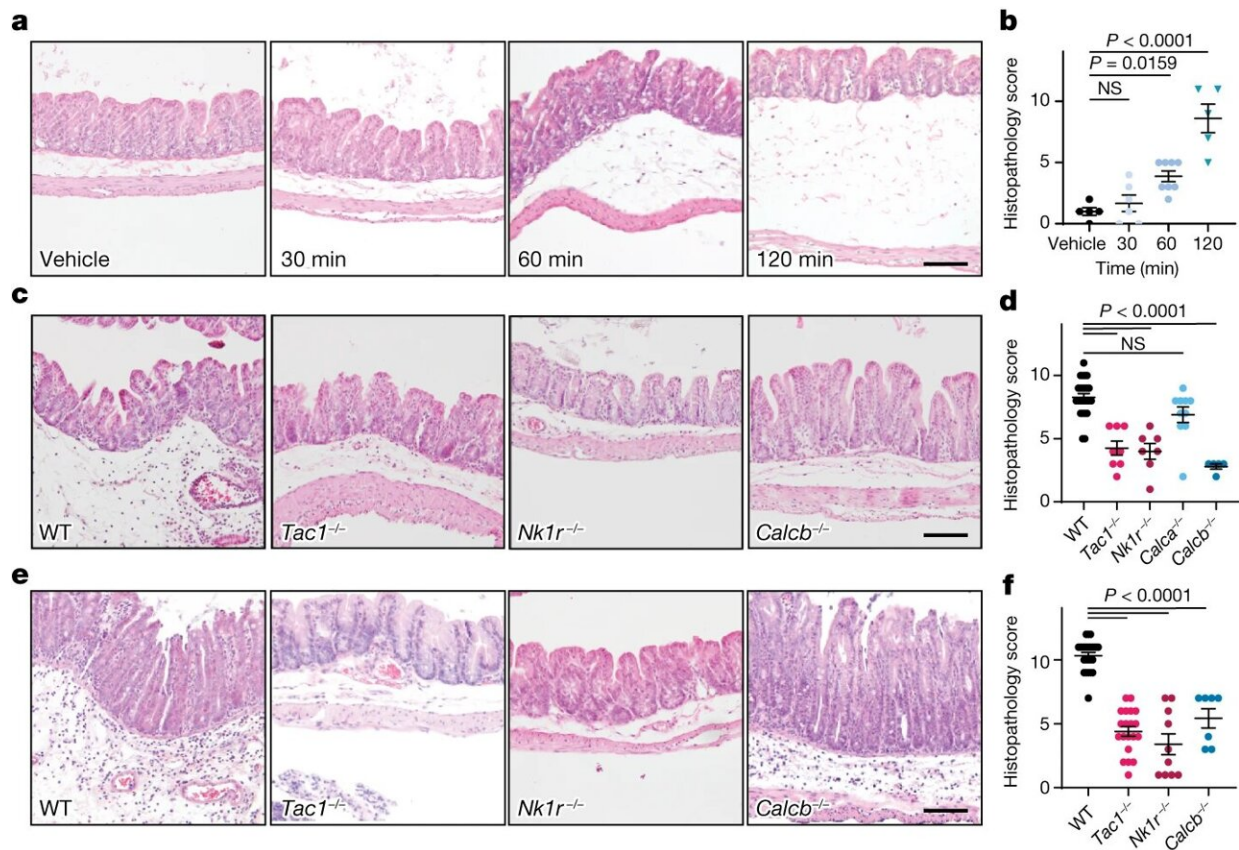


New study in mice suggests curbing intestinal inflammation can combat *C. diff* infection

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SP-mediated and CGRP-mediated neurogenic inflammation in a TcdB caecum injection model and in a CDI mouse model. **a,b**, Time course of histopathological changes after injection of TcdB into the caecum of mice. **a**, Representative micrographs of haematoxylin and eosin (H&E)-stained caecal tissues. **b**, Histopathology scores. Scoring criteria and the subcategories of histopathology scores are shown in Extended Data Fig. 1. $n = 5, 6, 8$ and 5 mice. **c,d**, TcdB was injected into the caecums of WT mice or the following KO mice:

Tac1, *Nk1r*, *Calca* or *Calcb*. **c**, Representative images of H&E staining. **d**, Histopathology scores. $n = 25, 8, 7, 10$ and 5 mice. **e,f**, CDI experiments were carried out on WT, *Tac1* KO, *Nk1r* KO and *Calcb* KO mice. Colon tissues were collected and analyzed 48 h later. **e**, Representative images of H&E staining. **f**, Histopathology scores. $n = 24, 20, 10$ and 7 mice. Statistical analyses in **b** (P

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