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🌐 Neural activation of the GI tract

Bryan Yoo¹, [Jessica Griffiths](#)¹, Sarkis Mazmanian¹

¹California Institute of Technology

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Mazmanian Lab



Jessica Griffiths

Protocol for neural activation of the GI tract used in Yoo et al 2021

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- 1 TH-Cre and ChAT-Cre mice are used for these experiments.
- 2 “Activated” mice are infected with AAV-PHP.S:hSYN1-DIO-hM3Dq-mRuby2 and “Control Mice” are infected with AAV-PHP.S:hSYN1-DIO-mRuby2. This is to control for both AAV-PHP.S-mediated expression and the effects of Compound 21 dihydrochloride (C21) (HelloBio, Princeton, NJ-HB6124).
- 3 C21 was injected intraperitoneally at a dose of 3mg/kg in both activated and control mice. Mice for time course experiments were single-housed in sterile cages with autoclaved water following first C21 administration (C21 administered for 10 consecutive days). Injections of C21 we
- 4 Mice for time course experiments were single-housed in sterile cages with autoclaved water following first C21 administration (C21 administered for 10 consecutive days). Injections of C21 were administered at the same time every day (10AM).