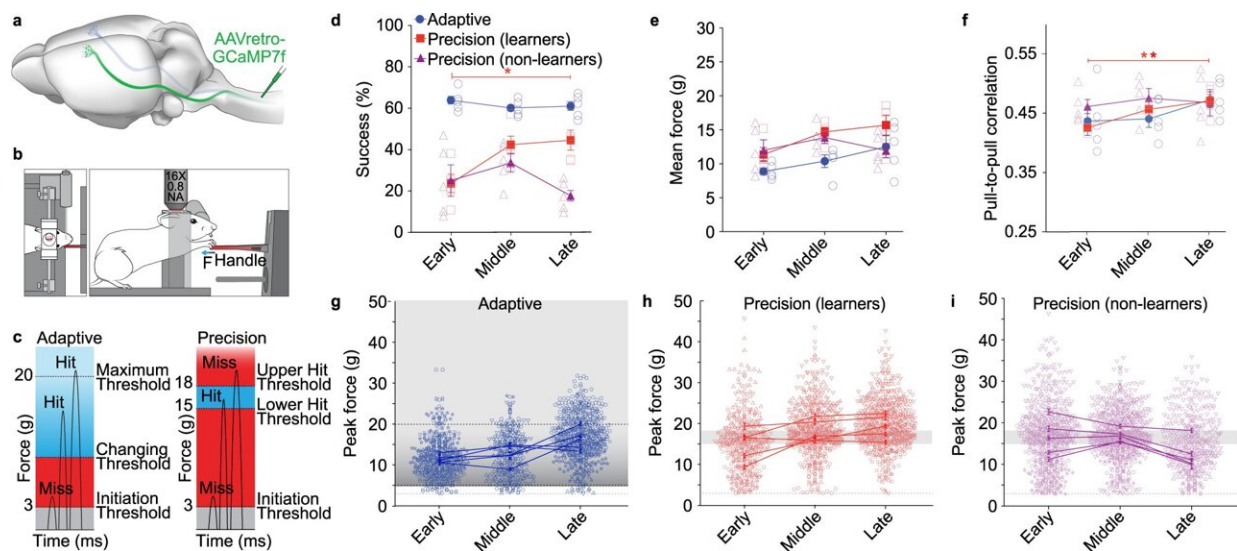


Task-specific modulation of corticospinal neuron activity during motor learning in mice

May 15 2023



Dynamic movement adaptation occurs during precision pull training. a Illustration of retrograde transduction strategy. b Illustration of head-fixed behavior during imaging. c Representation of reward zones in training of adaptive and precision isometric pull. d Success rate on the isometric pull tasks at three distinct training phases. Mice were proficient on the adaptive isometric pull early in training, whereas only half the mice were able to learn the precision isometric pull task (repeated measures ANOVA, $P = 0.0198$, $F_{2,8} = 6.73$, *Bonferroni post-hoc P

Citation: Task-specific modulation of corticospinal neuron activity during motor learning in mice (2023, May 15) retrieved 19 April 2024 from <https://medicalpress.com/news/2023-05-task->

specic-modulation-corticospinal-neuron-motor.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.