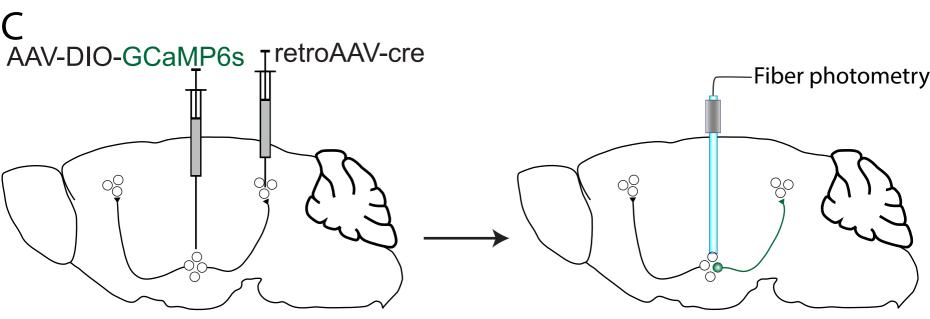


Combined expression of green and red GECIs for dual color Ca²⁺ imaging. In this example, green fluorescence from axon terminals and red fluorescence from cell bodies can be measured simultaneously from the same implanted optic fiber.



Intersectional viral strategy to specifically expressed GECI in projecting-specific neurons. In this example, a retroAAV-cre is injected in the targeted brain region and a cre-dependent AAV encoding GCaMP is injected in the brain region of origin. Optic fiber cannula is implanted to target cell bodies for robust calcium-dependent signal recording.