The ability to target and manipulate specific neuronal populations is crucial for understanding brain function. In this issue, Fishell and colleagues describe a novel virus that restricts gene expression to telencephalic GABAergic interneurons across a breadth of vertebrate species, allowing for their morphological visualization, activity monitoring and functional manipulation. Image: Lava Tubes in Mojave National Park. Credit: Jordane Dimidschstein. (p 1743)
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