



**Cover:** Characterised by colourful claws and close-set eyestalks, a female fiddler crab (*Uca vomeris*) is feeding outside her burrow. These crabs live on intertidal mudflats, where they are vulnerable to predation. Despite carrying their eyes on high 'observation towers' that provide a 360 deg panoramic view, poor resolution and limited depth perception make it difficult to distinguish friends from foes at a safe distance. Fiddler crabs learn, though, to ignore approaching objects they have experienced to be harmless. This process, called habituation, is shown by Raderschall and colleagues (pp. 4209–4216) to be accomplished by associative learning, which is in contrast to the traditional notion of habituation. Photo credit: J. M. Hemmi.

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