**Conditioned Taste Aversion**

This activity explores conditioned taste aversion and the Garcia and Koelling study of CTA.

The following video reviews classical conditioning, CTA, and John Garcia’s examination of CTA:

<https://www.youtube.com/watch?app=desktop&v=ybA7zY1CGto>

*After students watch the video, ask them to:*

* Share their stories of CTA.
* Describe how their CTA would be measured by a researcher and compare the measure to that used by John Garcia in his studies of rats.
* Discuss potential areas of the brain involved in conditioned taste aversion: <https://www.frontiersin.org/articles/10.3389/fnsys.2011.00076/full> (Yamamoto & Ueji, 2011)
* Ask students if they anticipate or predict any way to overcome their CTA. What would they do?
	+ See, for example, Breslin, P. A., Davidson, T. L., & Grill, H. J. (1990). Conditioned reversal of reactions to normally avoided tastes. *Physiology & Behavior*, *47*(3), 535-538.

**Other resources:**

Batsell (2015): <https://www.youtube.com/watch?v=vzlbKeqfwgY>, who also extends the discussion to CTA acquired during cancer treatments.

Bures, J., Bermúdez-Rattoni, F., & Yamamoto, T. (1998). *Conditioned taste aversion: Memory of a special kind*. Oxford University Press.

sloChuck45 (2013): <https://www.youtube.com/watch?v=irPHesHX0yY>, footage describing the now-famous application of CTA to saving sheep from wolves.

Udacity (2015): <https://www.youtube.com/watch?v=QiLr2n-WWHM>

Welzl, H., D'Adamo, P., & Lipp, H. P. (2001). Conditioned taste aversion as a learning and memory paradigm. *Behavioural Brain Research*, *125*(1-2), 205-213.

Yamamoto, T., Shimura, T., Sako, N., Yasoshima, Y., & Sakai, N. (1994). Neural substrates for conditioned taste aversion in the rat. *Behavioural brain research*, *65*(2), 123-137.

Yamamoto, T., & Ueji, K. (2011). Brain mechanisms of flavor learning. *Frontiers in systems neuroscience*, *5*, 76.