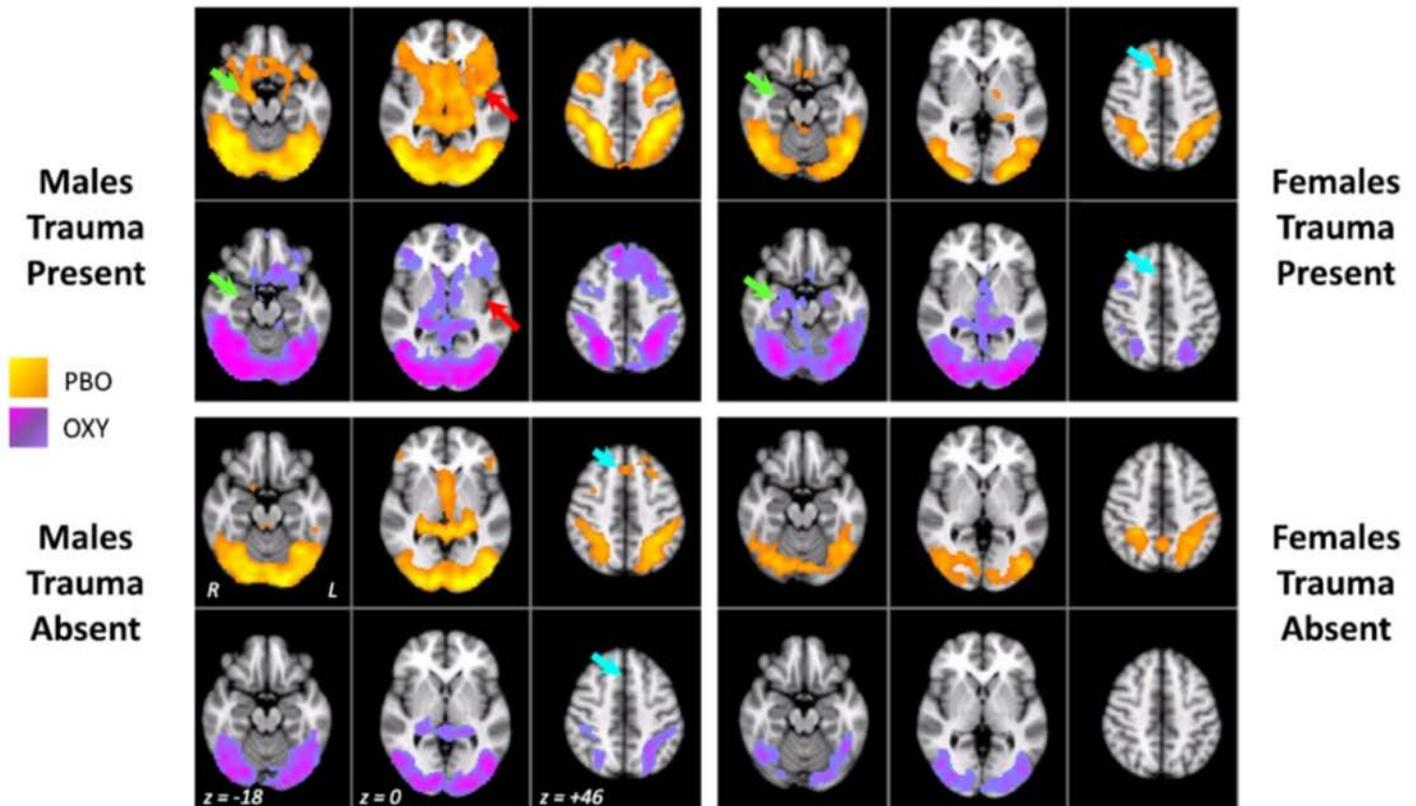


CBI's Image of the Month

August, 2021

Courtesy of Dr. Joseph, Department of Neuroscience



Description: Results from the general linear model voxel-wise whole-brain analysis for the four Sex x Trauma groups in each drug condition (PBO = placebo, shown in yellow-orange; OXY=oxytocin, shown in blue-purple). Three axial slices at MNI z coordinates of -18, 0 or +46 are shown for each Sex x Trauma Group x Drug combination, with the left hemisphere shown on the right of each brain image. Green arrows indicate the approximate location for the right amygdala region-of-interest. Turquoise arrows indicate the approximate location for the DMPFC region. Red arrow points to a left insula region in males trauma-present. Activation maps reflect the contrast of Cocaine > Object cues and were cluster corrected at $Z > 2.33$, $p = .05$.

Joseph, J. E., McRae-Clark, A., Sherman, B., Baker, N. L., Moran-Santa Maria, M. & Brady, K. T. (2020). Neural correlates of oxytocin and cue-reactivity in cocaine-dependent men and women with and without childhood trauma. *Psychopharmacology*, 237, 249-261. PMID: 31701163. doi: 10.1007/s00213-019-05360-7