

# [Facing the future: face-emotion processing deficits as a potential biomarker for ...](https://assignbuster.com/facing-the-future-face-emotion-processing-deficits-as-a-potential-biomarker-for-various-psychiatric-and-neurological-disorders/)

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A commentary on

Behrmann, M., Moscovitch, M., and Winocur, G. (1994). Intact visual imagery and impaired visual perception in a patient with visual agnosia. *J. Exp. Psychol. Hum. Percept. Perform.* 20, 1068–1087.

Bentin, S., Allison, T., Puce, A., Perez, E., and McCarthy, G. (1996). Electrophysiological studies of face perception in humans. *J. Cogn. Neurosci.* 8, 551–565.

De Houwer, J., and Hermans, D. (1994). Differences in the affective processing of words and pictures. *Cogn. Emot.* 8, 1–20.

Gauthier, I., and Nelson, C. (2001). The development of face expertise. *Curr. Opin. Neurobiol.* 11, 219–224.

Golarai, G., Hong, S., Haas, B. W., Galaburda, A. M., Mills, D. L., Bellugi, U., Grill-Spector, K., and Reiss, A. L. (2010). The fusiform face area is enlarged in Williams syndrome. *J. Neurosci.* 30, 6700–6712.

Haxby, J. V., Hoffman, E. A., and Gobbini, I. M. (2000). The distributed human neural system for face perception. *Trends Cogn. Sci. (Regul. Ed.)* 4, 223–233.

Isaac, L., and Lincoln, A. (2011). Featural versus configural face processing in a rare genetic disorder: Williams syndrome. *J. Intellect. Disabil. Res.* 55, 1034–1042.

Isaac, L., Vrijsen, J. N., Eling, P., van Oostrom, I., Speckens, A., and Becker, E. S. (2012). Verbal and facial-emotional Stroop tasks reveal specific attentional interferences in sad mood. *Brain Behav.* 2, 74–83.

Kanwisher, N. G., McDermott, J., and Chun, M. M. (1997). The fusiform face area: a module in human extrastriate cortex specialized for face perception. *J. Neurosci.* 17, 4302–4311.

Lange, W. G., Heuer, K., Langner, O., Keijsers, G. P. J., Becker, E. S., and Rinck, M. (2011). Face value: eye movements and the evaluation of facial crowds in social anxiety. *J. Behav. Ther. Exp. Psychiatry* 42, 355–363.

MacLeod, C., Rutherford, E., Campbell, L., Ebsworthy, G., and Holker, L. (2002). Selective attention and emotional vulnerability: assessing the causal basis of their association through the experimental manipulation of attentional bias. *J. Abnorm. Psychol.* 111, 107–123.

Norbury, R., Taylor, M. J., Selvaraj, S., Murphy, S. E., Harmer, C. J., and Cowen, P. J. (2009). Short-term antidepressant treatment modulates amygdala response to happy faces. *Psychopharmacology (Berl.)* 206, 197–204.

Pierce, K., Müller, R. A., Ambrose, J., Allen, G., and Courchesne, E. (2001). Face processing occurs outside the fusiform “ face area” in autism: evidence from functional MRI. *Brain* 124, 2059–2073.

Valentine, T. R., Powell, J. H., Davidoff, J. B., Letson, S., and Greenwood, R. (2006). Prevalence and correlates of face recognition impairments after acquired brain injury. *Neuropsychol. Rehabil.* 16, 272–297.

Wadlinger, H., and Isaacowitz, D. (2008). Looking happy: the experimental manipulation of a positive visual attention bias. *Emotion* 8, 121–126.

Wallraven, C., Schwaninger, A., and Bülthoff, H. H. (2005). Learning from humans: computational modeling of face recognition. *Network* 16, 401–418.

Wynn, J. K., Lee, J., Horan, W. P., and Green, M. F. (2008). Using event related potentials to explore stages of facial affect recognition deficits in schizophrenia. *Schizophr. Bull.* 34, 679–687.

Yin, R. K. (1969). Looking at upside-down faces. *J. Exp. Psychol.* 81, 141–145.