

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Huntington's disease	Glutathione peroxidase 1 (GPX1); glutathione peroxidase 3 plasma (GPX3)	Yeast and fly studies suggest glutathione peroxidase mimics could be used to treat Huntington's disease. In a yeast-based, genome-wide screen, <i>gpx1</i> and <i>gpx3</i> were identified as suppressors of mutant huntingtin (<i>htt</i>) protein toxicity. In a <i>Drosophila</i> model of Huntington's disease, a glutathione peroxidase mimic decreased degeneration of photoreceptor neurons compared with no treatment and restored normal locomotor activity. Next steps include testing glutathione peroxidase mimics in mouse models of Huntington's disease.	Unpatented; licensing status not applicable	Mason, R.P. <i>et al. Nat. Genet.</i> ; published online Aug. 25, 2013; doi:10.1038/ng.2732 Contact: Flaviano Giorgini, University of Leicester, Leicester, U.K. e-mail: fg36@le.ac.uk
		SciBX 6(37); doi:10.1038/scibx.2013.1037 Published online Sept. 26, 2013		