This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Anxiety	Solute carrier family 17 sodium-dependent inorganic phosphate cotransporter member 8 (SLC17A8; VGLUT3)	Studies in mice suggest that agonizing VGLUT3 could help treat anxiety. In mice, animals with <i>Vglut3</i> knockout had greater anxiety-like behaviors than wild-type mice. In the <i>Vglut3</i> knockouts, serotonin- mediated neurotransmission was reduced compared with that in wild-type mice, suggesting that Vglut3-dependent serotonin activity underlies the observed anxiety-like behaviors. Next steps include developing VGLUT3-specific agonists.	Findings unpatented; licensing status unknown	Amilhon, B. <i>et al. J. Neurosci.</i> ; published online Feb. 10, 2010; doi:10.1523/JNEUROSCI.5196-09.2010 Contact: Salah El Mestikawy, Pierre and Marie Curie University, Paris, France e-mail: salah.elmestikawy@snv.jussieu.fr
<i>SciBX</i> 3(7); doi:10.1038/scibx.2010.220 Published online Feb. 18, 2010				