

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Psychosis	Muscarinic acetylcholine receptor M4 (CHRM4; HM4)	<p>Mouse studies suggest that agonizing CHRM4 could help treat schizophrenia. In a mouse model of schizophrenia, a muscarinic acetylcholine receptor agonist decreased psychotic-like hyperactivity in wild-type mice but not in mice with knockout of <i>Chrm4</i> in dopamine D1 receptor-expressing neurons. Next steps could include identifying a compound that selectively agonizes the M4 receptor subtype.</p> <p>SciBX 4(18); doi:10.1038/scibx.2011.518 Published online May 5, 2011</p>	Patent and licensing status unavailable	<p>Dencker, D. <i>et al. J. Neurosci.</i>; published online April 20, 2011; doi:10.1523/JNEUROSCI.0370-11.2011</p> <p>Contact: Anders Fink-Jensen, University of Copenhagen, Copenhagen, Denmark e-mail: a.finkjensen@dadlnet.dk</p>