This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Pain	Opioid receptor $\delta 1$ (OPRD1; DOR)	<p>Mouse studies suggest DOR agonists that also promote DOR recycling could help treat pain without causing opioid addiction and tolerance. In a mouse model of neuropathic pain, a DOR agonist that did not promote receptor recycling decreased pain sensitivity compared with vehicle but also induced an acute opioid tolerance response. In the same model, a DOR agonist that promoted receptor recycling lowered pain sensitivity compared with vehicle but did not cause an acute tolerance response. Next steps include screening for drug-like DOR agonists that promote receptor recycling.</p> <p>Cubist Pharmaceuticals Inc. has the DOR agonist ADL5747 in Phase II testing for pain.</p> <p>SciBX 5(16); doi:10.1038/scibx.2012.426 Published online April 19, 2012</p>	Patent status undisclosed; available for partnering and collaborations	<p>Audet, N. <i>et al. J. Neurosci.</i>; published online April 4, 2012; doi:10.1523/JNEUROSCI.3734-11.2012</p> <p>Contact: Graciela Pineyro, Sainte-Justine University Hospital Center Research Center, Montreal, Quebec, Canada</p> <p>e-mail: graciela.pineyro.filpo@umontreal.ca</p>