

### This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Neurology</b>				
Narcolepsy	GABA <sub>B</sub> receptor	<p>Mouse studies suggest specific GABA<sub>B</sub> receptor agonists could help treat narcolepsy. In multiple mouse models of narcolepsy, the GABA<sub>B</sub> receptor agonist <i>R</i>-baclofen normalized non-rapid eye movement sleep and promoted and consolidated sleep during light periods. It also decreased time spent in cataplexy compared with the narcolepsy drug Xyrem sodium oxybate. Next steps could include investigating <i>R</i>-baclofen-based therapeutics for narcolepsy.</p> <p>Jazz Pharmaceuticals plc markets Xyrem. Baclofen is a generic drug used to treat spasticity.</p> <p><b>SciBX 7(22); doi:10.1038/scibx.2014.649</b>  <b>Published online June 5, 2014</b></p>	Patent and licensing status unavailable	<p>Black, S.W. <i>et al.</i> <i>J. Neurosci.</i>; published online May 7, 2014;            doi:10.1523/JNEUROSCI.0080-14.2014  <b>Contact:</b> Thomas S. Kilduff, SRI International, Menlo Park, Calif.            e-mail:  <a href="mailto:thomas.kilduff@sri.com">thomas.kilduff@sri.com</a>  <b>Contact:</b> Akihiro Yamanaka, Nagoya University, Nagoya, Japan            e-mail:  <a href="mailto:yamank@riem.nagoya-u.ac.jp">yamank@riem.nagoya-u.ac.jp</a></p>