This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Pain	Potassium channel Kv1.2 (KCNA2)	<p>Rat studies suggest targeting <i>KCNA2</i> antisense long noncoding RNA (lncRNA) could help treat neuropathic pain. In a rat model for neuropathic pain, injured dorsal root ganglion neurons showed greater <i>Kcna2</i> antisense lncRNA expression and lower <i>Kcna2</i> protein expression than uninjured nerves. In a rat model for peripheral nerve injury, <i>Kcna2</i> sense RNA normalized <i>Kcna2</i> protein levels and decreased neuropathic pain compared with control RNA. Next steps include testing inhibition of <i>Kcna2</i> lncRNA in animal models for cancer-associated and chronic pain.</p> <p><i>SciBX</i> 6(28); doi:10.1038/scibx.2013.734 Published online July 25, 2013</p>	Unpatented; licensing status not applicable	<p>Zhao, X. <i>et al. Nat. Neurosci.</i>; published online June 23, 2013; doi:10.1038/nn.3438 Contact: Yuan-Xiang Tao, The Johns Hopkins University School of Medicine, Baltimore, Md. e-mail: ytao1@jhmi.edu</p>