This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Epilepsy	Potassium channel subfamily V member 2 (KCNV2; Kv8.2)	Human genetic and mouse studies suggest that mutations in the <i>KCNV2</i> gene could help diagnose epilepsy. In a mouse model of sodium channel-dependent epilepsy, a mutation in <i>Kcnv2</i> resulted in a three-fold increase in hippocampal <i>Kcnv2</i> expression and greater disease severity compared with those in animals that lacked the mutation. Genetic analysis of 209 pediatric epilepsy patients revealed two <i>KCNV2</i> mutations that were associated with epilepsy. Next steps could include confirming <i>KCNV2</i> 's role in disease severity.	Patent and licensing status unavailable	Jorge, B.S. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online March 14, 2011; doi:10.1073/pnas.1017539108 Contact: Jennifer A. Kearney, Washington University in St. Louis School of Medicine, St. Louis, Mo. e-mail: jennifer.kearney@vanderbilt.edu
<i>SciBX</i> 4(13); doi:10.1038/scibx.2011.376 Published online March 31, 2011				