This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Stroke	Hydrogen voltage-gated channel 1 (HVCN1)	<p>Studies in cell culture and in mice suggest antagonizing HVCN1 could help prevent brain damage caused by ischemic stroke. In a cell culture model of ischemic stroke, microglia from <i>Hvcn1</i> knockout mice had lower levels of reactive oxygen species (ROS) and less inflammatory activity than wild-type microglia. In a mouse model of ischemic stroke, <i>Hvcn1</i> knockouts had smaller infarct volumes and better neurological function than wild-type controls. Next steps include identifying selective antagonists of HVCN1.</p> <p>SciBX 5(13); doi:10.1038/scibx.2012.345 Published online March 29, 2012</p>	Patent pending; available for licensing	<p>Wu, L.-J. <i>et al. Nat. Neurosci.</i>; published online March 4, 2012; doi:10.1038/nn.3059 Contact: David E. Clapham, Harvard Medical School, Boston, Mass. e-mail: dclapham@enders.tch.harvard.edu</p>