This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Stroke; nerve damage	Transient receptor potential cation channel, subfamily M, member 7 (TRPM7)	<p>Studies in rats suggest that inhibiting TRPM7 could help prevent neuronal death following brain ischemia. In rats, small hairpin RNA-mediated knockdown of <i>Trpm7</i> in the hippocampus protected significantly more neurons from ischemic death than those in control rats ($p < 0.01$). In the same rat model, <i>Trpm7</i> knockdown preserved fear memory performance post-ischemia. Next steps include developing TRPM7 inhibitors.</p> <p>SciBX 2(35); doi:10.1038/scibx.2009.1355 Published online Sept. 10, 2009</p>	<p>Patent application filed covering inhibition of TRP channels to treat a range of indications, including disorders that involve ischemic cell damage; licensed to NoNO Inc.</p>	<p>Sun, H.S. <i>et al. Nat. Neurosci.</i>; published online Sept. 6, 2009; doi:10.1038/nn.2395</p> <p>Contact: Michael Tymianski, University of Toronto, Toronto, Ontario, Canada e-mail: mike.tymianski@uhn.on.ca</p>