This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Nerve damage	Purinergic receptor P2Y G protein-coupled 1 (P2RY1; P2Y1)	Cell culture studies identified dual-acting antioxidant and P2Y1 receptor agonist nucleotides that could be useful as neuroprotectants. In a human cell line, the lead nucleotide selectively agonized P2Y1 with an EC ₅₀ value of 7 nM. In rat neuronal cell lines, the nucleotide reduced reactive oxygen species (ROS) production with an IC ₅₀ value of 80 nM. Next steps could include evaluating the blood brain barrier permeability of the lead nucleotide and its activity on human neurons and glia.	Patent application filed; available for licensing	Azran, S. <i>et al. J. Med. Chem.</i> ; published online June 10, 2013; doi:10.1021/jm400197m Contact: Bilha Fischer, Bar-Ilan University, Ramat-Gan, Israel e-mail: bilha.fischer@mail.biu.ac.il
SciBX 6(28); doi:10.1038/scibx.2013.731 Published online July 25, 2013				