

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Neurology	Solute carrier family 12 potassium-chloride transporter member 2 (SLC12A2, NKCC1); p75 neurotrophin receptor (p75 NTR)	<p>Studies in mice suggest that bumetanide could help treat nerve injury. In wild-type mice, motor neuron trauma resulted in upregulation of p75 Ntr and cell death, which was blocked with intraperitoneal injection of the SLC12A2 inhibitor bumetanide. Next steps could include testing bumetanide in other models of nerve injury.</p> <p>Only for Children Pharmaceuticals S.A.S. has bumetanide in Phase II testing to treat seizures.</p> <p><i>SciBX</i> 5(6); doi:10.1038/scibx.2012.159 Published online Feb. 9, 2012</p>	Patent and licensing status unavailable	<p>Shulga, A. <i>et al. J. Neurosci.</i>; published online Feb. 1, 2012; doi:10.1523/JNEUROSCI.3282-11.2012</p> <p>Contact: Claudio Rivera, University of Helsinki, Helsinki, Finland e-mail: claudio.rivera@helsinki.fi</p>