This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Stroke	Thyroid hormone receptor- α	<p>Studies in human tissue and rabbits suggest thyroid hormone receptor-α agonists could protect against neurodevelopmental damage caused by intraventricular hemorrhage in preterm infants. In postmortem samples from preterm infants, brain tissue from infants with intraventricular hemorrhage had higher thyroid hormone receptor-α levels than tissue from nonhemorrhaged controls. In a rabbit pup model of intraventricular hemorrhage, thyroid hormone improved myelination and neurological function over vehicle. Next steps could include identifying and testing thyroid hormone receptor-α agonists in preclinical models of prematurity-associated neurological damage.</p> <p><i>SciBX</i> 6(47); doi:10.1038/scibx.2013.1358 Published online Dec. 12, 2013</p>	Patent and licensing status undisclosed	<p>Vose, L.R. <i>et al. J. Neurosci.</i>; published online Oct. 30, 2013; doi:10.1523/JNEUROSCI.2713-13.2013 Contact: Praveen Ballabh, Maria Fareri Children's Hospital at Westchester Medical Center, Valhalla, N.Y. e-mail: pballabh@msn.com</p>