This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Other				
Hearing loss	Solute carrier family 17 sodium-dependent inorganic phosphate cotransporter member 8 (SLC17A8; VGLUT3)	<p>Mouse studies suggest gene therapy could help treat congenital deafness caused by mutations in <i>VGLUT3</i>. In <i>Vglut3</i> knockout mice, an adeno-associated viral (AAV) vector encoding wild-type <i>Vglut3</i> engineered to be expressed in the inner ear increased hearing compared with no treatment. Next steps include constructing and testing AAV vectors bearing other genes mutated in congenital deafness.</p> <p>SciBX 5(32); doi:10.1038/scibx.2012.848 Published online Aug. 16, 2012</p>	Unpatented; licensing status not applicable	<p>Akil, O. <i>et al. Neuron</i>; published online July 26, 2012; doi:10.1016/j.neuron.2012.05.019 Contact: Lawrence R. Lustig, University of California San Francisco, Calif. e-mail: llustig@ohns.ucsf.edu</p>