This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Epilepsy; seizures	Transient receptor potential cation channel subfamily C member 7 (TRPC7)	Mouse and cell culture studies suggest inhibiting TRPC7 could help prevent status epilepticus. In mice, knocking out <i>Trpc7</i> increased resistance to chemically induced status epilepticus and decreased resulting mortality compared with no genetic alteration. Next steps include determining the critical site of action for TRPC7 with a more refined genetic approach to ablate TRPC7 in specific neuronal populations.	Patent and licensing status undisclosed	Phelan, K.D. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online July 21, 2014; doi:10.1073/pnas.1411442111 Contact: Fang Zheng, University of Arkansas for Medical Sciences, Little Rock, Ark. e-mail: zhengfang@uams.edu Contact: Lutz Birnbaumer, National Institute of Environmental Health Sciences, Research Triangle Park, N.C. e-mail: birnbau1@niehs.nih.gov
		SciBX 7(32); doi:10.1038/scibx.2014.957 Published online Aug. 21, 2014		