

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Stroke; sepsis	Phosphoglycerate kinase 1 (PGK1); heat shock protein 90 (Hsp90)	<i>In vitro</i> and rodent models suggest the generic hypertension drug terazosin could help treat stroke or sepsis. In mammalian cells, terazosin protected against apoptosis by activating PGK1 and Hsp90. In mouse models of sepsis, i.p. or subcutaneous treatment with terazosin or lentivirus-mediated <i>Pgk1</i> overexpression increased survival compared with saline or control lentivirus treatment, respectively. In a rat model of stroke, terazosin protected against ischemic neuronal damage compared with vehicle. Next steps include additional preclinical evaluation of terazosin in stroke and sepsis models. SciBX 7(47); doi:10.1038/scibx.2014.1383 Published online Dec. 11, 2014	Patented; available for licensing	Chen, X. <i>et al. Nat. Chem. Biol.</i> ; published online Nov. 10, 2014; doi:10.1038/nchembio.1657 Contact: Lei Liu, Capital Medical University, Beijing, China e-mail: lei_liu_2005@yahoo.com Contact: Xiaoyu Li, Peking University, Beijing, China e-mail: xiaoyuli@pku.edu.cn Contact: Jia-huai Wang, University of Science and Technology of China, Hefei, China e-mail: jwang@red.dfc.harvard.edu