This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Stroke; nerve damage	Casein kinase 1 (CSNK1; CKI); RE1-silencing transcription factor (REST; NRSF)	<i>In vitro</i> and rat studies suggest activating CKI could help protect against stroke-associated neuronal death. In rats, global ischemia decreased <i>Cki</i> expression, increased <i>Rest</i> expression and increased death of CA1 hippocampal neurons compared with no ischemia. In rats, intracerebroventricular delivery of the CKI activator pyvinium decreased ischemia-induced <i>Rest</i> expression and death of CA1 neurons compared with no treatment. Next steps could include developing selective CKI activators and evaluating them in stroke models.	Patent and licensing status unavailable	Kaneko, N. <i>et al. J. Neurosci.</i> ; published online April 23, 2014; doi:10.1523/JNEUROSCI.4045-13.2014 Contact: R. Suzanne Zukin, Albert Einstein College of Medicine of Yeshiva University, New York, N.Y. e-mail: suzanne.zukin@einstein.yu.edu
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